

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

UNSTARRED QUESTION NO:915

ANSWERED ON:12.11.2010

WIND POWER GENERATION

Kashyap Shri Virender;Maadam Shri Vikrambhai Arjanbhai;Mahato Shri Narahari;Pradhan Shri Nityananda;Premajibhai Dr. Solanki  
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**Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:**

- (a) the quantum of power generated through wind power in the country at present, State-wise;
- (b) whether the Government proposes to generate 11,000 Megawatt of wind power by the end of the Eleventh Five Year Plan;
- (c) if so, details thereof;
- (d) whether any survey has been conducted by the Government to identify the areas for setting up of wind power projects in the country including Gujarat;
- (e) if so, the details thereof; and
- (f) the steps being taken by the Government to augment wind power generation in the country?

**Answer**

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

(a): A total wind power capacity of 12,907 MW has been installed in the country so far. The state-wise details are given at Annexure I.

(b)&(c): The target of wind power installation for 11th Plan is 9,000 MW, against which, 5,813 MW has already been achieved till October, 2010 and the balance is expected to be achieved in remaining period of the Plan.

(d) & (e): Yes Madam, the Ministry has established 614 wind monitoring stations in the country including Gujarat through the Centre for Wind Energy Technology, Chennai for carrying out wind resource assessment. Out of 614 stations, 233 locations have been found to be potential sites for setting up of wind power projects, this includes 40 sites in Gujarat. The state-wise break-up of potential locations in the country is given at Annexure II and details of potential sites in Gujarat is given at Annexure III.

(f): Government is promoting commercial wind power projects through private sector investment in wind potential states by providing fiscal incentives, loan from Indian Renewable Energy Development Agency (IREDA) and other financial institutions. Technical support including detailed wind resource assessment to identify potential sites, is provided by the Centre for Wind Energy Technology (C-WET), Chennai. This apart, preferential tariff is being provided to increase wind energy investment in the potential States. Government has announced a generation based incentive (GBI) under which Rs. 0.50 per unit generated from wind power projects is provided to the projects which do not avail accelerated depreciation benefit.

**ANNEXURE I**

ANNEXURE I REFERRED TO IN REPLY TO PART (a) OF THE LOK SABHA UNSTARRED QUESTION NO. 915 FOR 12.11.2010.

**STATE-WISE WIND POWER INSTALLATIONS**

States      Capacity (MW)

Andhra Pradesh 159  
Gujarat 1982  
Karnataka 1559  
Kerala 28  
Madhya Pradesh 231  
Maharashtra 2184  
Rajasthan 1298  
Tamil Nadu 5462  
Others 4  
Total 12907

## ANNEXURE II

ANNEXURE II REFERRED TO IN REPLY TO PARTS (d) & (e) OF THE LOK SABHA UNSTARRED QUESTION NO. 915 FOR 12.11.2010.

### STATE-WISE WIND POTENTIAL LOCATIONS

Sl.No. States No. of Wind Potential Sites

1. Tamil Nadu	45
2. Gujarat	40
3. Orissa	6
4. Maharashtra	39
5. Andhra Pradesh	32
6. Rajasthan	8
7. Lakshadweep	8
8. Karnataka	26
9. Kerala	17
10. Madhya Pradesh	7
11. West Bengal	1
12. Andaman & Nicobar Islands	2
13. Uttarakhand	1
14. Jammu & kashmir	1
Total	233

## ANNEXURE III

ANNEXURE III REFERRED TO IN REPLY TO PARTS (d) & (e) OF THE LOK SABHA UNSTARRED QUESTION NO. 915 FOR 12.11.2010.

### Wind Power Potential Sites in the State of Gujarat

Sl.No. Station District

1	Adesar	Kutch
2	Amrapar (Gir)	Junagadh
3	Amrapar (Seth)	Rajkot
4	Bamanbore II	Surendranagar
5	Bayath	Kutch
6	Bhandariya	Jamnagar
7	Butavadar	Jamnagar
8	Dhank I	Rajkot
9	Dhank II	Rajkot
10	Gala	Jamnagar
11	Godladhar	Rajkot
12	Haripar	Jamnagar
13	Harshad	Jamnagar
14	Jafrabad	Amreli
15	Jamanvada	Kutch

16 Jasapar Amreli  
17 Kagavad Rajkot  
18 Kalyanpur Jamnagar  
19 Khambada Amreli  
20 Kukma Kutch  
21 Lamba Jamnagar  
22 Limbara Rajkot  
23 Mahidad Surendra nagar  
24 Motisindholi Kutch  
25 Mundra Kutch  
26 Navadra Jamnagar  
27 Nani Kundal Amreli  
28 Navibander Porbander  
29 Okha Jamnagar  
30 Okhamadhi Jamnagar  
31 Poladiya Kutch  
32 Ratabhe Surendranagar  
33 Rojmal 2 Bhavnagar  
34 Sanodar Bhavanagar  
35 Sinai Kutch  
36 Suvarda Jamnagar  
37 Surajbari Kutch  
38 Warshamedi Rajkot  
39 Vandhya Kutch  
40 Sangasar Dahod