

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

STARRED QUESTION NO:457
ANSWERED ON:10.12.2010
WIND ENERGY IN COASTAL AREAS
Mahtab Shri Bhartruhari

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

- (a) whether any assessment has been made in regard to harnessing of wind energy in the country;
- (b) if so, the details thereof;
- (c) whether the wind energy potential in the coastal areas of the country particularly in the eastern coast has been harnessed;
- (d) if so, the details thereof including the sites/locations identified; and
- (e) the action plan formulated to harness the same during the Eleventh Plan period?

Answer

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

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

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS(a),(b),(c),(d)&(e) OF THE LOK SABHA STARRED QUESTION NO. 457 BY SHRI BHARTRUHARI MAHTAB TO BE ANSWERED ON THE 10TH DECEMBER, 2010 REGARDING WIND ENERGY IN COASTAL AREAS

(a)&(b): Yes, Madam. The wind power potential of the country has been estimated to be 48,500 MW. The Ministry has established 616 Wind Monitoring Stations in the country through the Centre for Wind Energy Technology, Chennai for carrying out the Wind Resource Assessment. Out of 616 stations, 233 locations have been found to be suitable for harnessing the wind energy in the country. The State-wise breakup of wind potential sites is given at Annexure-I.

(c)&(d): Yes, Madam. A total of 54 wind monitoring stations in coastal areas in the country have been established, of which 26 are in the eastern coast. A state wise list of stations established in coastal areas is given at Annexure II.

(e): The Government is promoting commercial wind power projects through private sector investment in wind potential States by providing fiscal incentives such as 80% accelerated depreciation, concessional import duty on certain components of wind electric generators, excise duty exemption, 10 years tax holiday on income generated from wind power projects. Loans for installing windmills are available from Indian Renewable Energy Development Agency (IREDA) and other Financial Institutions. Technical support including 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 in potential states. Government has recently announced a Generation Based Incentive (GBI) under which ` 0.50/unit generated from wind power projects is being provided to projects which do not avail of accelerated depreciation benefit.

ANNEXURE I

ANNEXURE I REFERRED TO IN REPLY TO PARTS (a) &(b) OF THE LOK SABHA STARRED QUESTION NO. 457 FOR 10.12.2010.

STATE-WISE WIND POTENTIAL LOCATIONS

Sl.No.	States	No. of Wind Potential Sites
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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 II

ANNEXURE II REFERRED TO IN REPLY TO PARTS (c) & (d) OF THE LOK SABHA STARRED QUESTION NO. 457 FOR 10.12.2010.

List of coastal wind monitoring stations

Sl. No/State Station Name

TAMIL NADU
1 ENNORE
2 KANYAKUMARI
3 MUTTOM
4 POOMPUHAR
5 RAMESWARAM
6 KALIA NAGARI
7 AGASTHIANPALLI
8 TUTICORIN
9 VEDARANYAM
GUJARAT
10 DANDI
11 HARSHAD
12 JAFRABAD
13 LAMBA
14 MUNDRA
15 NAVADRA
16 NAVI BANDER
17 OKHA
18 OKHAMADHI
19 VERAVAL
20 SURAJBARI
21 VELAN
22 WARSHAMEDI
23 VADGAM
ORISSA
24 CHANDIPUR
25 CHATRAPUR
26 GOPALPUR
27 MARINE DRIVE
28 PARADWIP
29 PURI
MAHARASHTRA
30 DEOGAD
31 ELEPHANTA ISLAND
32 NANDIVADE
33 VIJAYADURG
34 MALWAN
35 VEDI
36 VENGURLA
ANDHRA PRADESH
37 BHIMUNIPATNAM
KARNATAKA
38 BYNDOOR
39 GOKARNA
40 HUVILAMADI
KERALA
41 NEENDAKARA

42 VIZHINJAM
WEST BENGAL
43 DADONPATRA BAR
44 DIGHA
45 FRASERGANJ
46 GANGASAGAR
47 HALDIA
48 NAYACHAR ISLAND
49 NIJKASEA
PONDICHERRY
50 DUBARAYAPET
51 KEEZHAYUR
52 PANNITHITTU
53 YANAM
GOA
54 LOLIEM