

**GOVERNMENT OF INDIA  
NON-CONVENTIONAL ENERGY SOURCES  
LOK SABHA**

UNSTARRED QUESTION NO:506  
ANSWERED ON:04.12.2003  
IDENTIFICATION OF WIND ENERGY POTENTIAL  
PARSURAM MAJHI

**Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:**

- (a) whether the Government have identified the wind energy potential in the country and particularly in the coastal States;
- (b) if so, the details thereof and particularly in the coastal State of Orissa; and
- (c) the details of steps taken to tap the wind energy potential of Orissa and other coastal States during last three years?

**Answer**

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a)&(b): Yes, Sir. The gross wind power potential has been estimated at 45,195 MW in 10 States including Orissa. The technical potential which is limited by the grid capacity is at present estimated at about 13,390 MW. The gross potential in Orissa has been estimated at about 1700 MW and the technical potential is limited to 780 MW. The State-wise break-up is given in the Annexure.

(c): For setting up of demonstration wind farm projects, the Government provides Central Financial Assistance upto 60% of the cost of wind electric generators, including spares and erection commissioning with the ceiling of Rs.2.1 crore per MW. Fiscal and financial incentives such as accelerated depreciation, concessional customs duty on certain components, term loan from Indian Renewable Energy Development Agency, excise duty exemption etc. are available to private developers and equipment suppliers for setting up of wind farm projects.

Wind power projects of 702 MW have been set up in the country including Andhra Pradesh (4.5 MW), Gujarat (6.2 MW), Karnataka (90 MW), Maharashtra (322 MW) and Tamil Nadu ( 219.6 MW) between 1st April, 2000 and 31st March, 2003. No wind power project has come up in Orissa during the period.

**ANNEXURE**

ANNEXURE REFERRED TO IN REPLY TO PARTS (a)&(b) OF LOK SABHA UNSTARRED QUESTION NO.506 FOR 4.12 REGARDING IDENTIFICATION OF WIND ENERGY POTENTIAL .

**GROSS AND TECHNICAL WIND POWER POTENTIAL**

S.No.	State	Gross Potential (MW)	Technical Potential (MW)
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1. Andhra Pradesh 8275 1920

2. Gujarat 9675 1780

3. Karnataka 6620 1180

4. Kerala 875 605

5. Madhya Pradesh 5500 845

6. Maharashtra 3650 3040

7 Orissa 1700 780

8. Rajasthan 5400 910

9. Tamil Nadu 3050 1880

10. West Bengal 450 450  
Total 45195 13390