

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
QUESTION NO 06.12.2010
ANSWERED ON
WIND POWER POTENTIAL IN RAJASTHAN .

2888

Dr. Gyan Prakash Pilania

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

- (a) whether a gross wind power potential of 5,400 MW has been estimated in Rajasthan based on areas having wind power density of 200 watts per square metre or more at 50 metre hub height and assuming land availability in potential areas at one per cent and land requirement at 12 hectare per MW;
- (b) whether the cumulative wind power installed capacity in Rajasthan, till now is only 470 MW, as wind power harnessing is in the private sector; and
- (c) if so, whether it is not expedient for both the Central and the State Governments to intervene and take steps for exploration of the remaining capacity?

ANSWER

THE MINISTER OF NEW AND RENEWABLE ENERGY

(Dr. FAROOQ ABDULLAH)

(a):The Wind Power potential of Rajasthan has been estimated to be 4,858 MW assuming land availability in potential areas @ one percent and land requirement @ 12 hectares per MW. The sites having wind power density of 200 watts per square metre or more at 50 metre hub height are considered to be potential sites.

(b)&(c)No, Sir. A cumulative Wind Power Capacity of 1298 MW has been installed in Rajasthan. The Government is promoting commercial wind power projects through private sector investment in wind potential States by providing fiscal and promotional 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 wind power projects 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 including Rajasthan. Government has recently announced a Generation Based Incentives (GBI) under which Rs. 0.50/unit generated from wind power projects is being provided to the project which do not avail accelerated depreciation benefit.