

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

UNSTARRED QUESTION NO:4844
ANSWERED ON:18.12.2009
RESEARCH ON WIND ENERGY
Kumar Shri Kaushalendra

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

- (a) the details of the researches being conducted on wind energy in the country;
- (b) whether the Government has made any assessment of the researches being conducted on wind energy in foreign countries and its comparison with Indian researches;
- (c) if so, the details thereof; and
- (d) the steps taken or proposed to be taken by the Government to promote wind energy in the country?

Answer

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

(a),(b)&(c): The research and development in wind energy in the country is focused on improvement in operation and maintenance of wind turbines, development of optimized micro-siting guidelines, improved methodologies for wind resource assessment, power quality and grid-integration issues, and development of wind turbines suitable for Indian conditions. The research in the field of wind energy in foreign countries, mainly in Europe, is on the development of higher capacity efficient machine design including that suitable for off-shore installations.

(d): The Government has been promoting commercial grid connected wind power projects through private sector investment in wind potential states including Kerala 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 further potential sites, is provided by Centre for Wind Energy Technology (C-WET), Chennai. This apart, preferential tariff is being provided to increase wind energy investment in the potential states. Recently, Government has approved for the 11th plan period, General Based Incentive to run concurrently with the benefit of accelerated depreciation but in a mutually exclusive manner.