

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

UNSTARRED QUESTION NO:3249
ANSWERED ON:13.08.2010
OFF-SHORE WIND POTENTIAL
Gandhi Shri Feroze Varun

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

- (a) whether the Government has taken steps to explore the off-shore wind energy potential in the country;
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) whether the Government proposes to introduce advance technologies for the wind energy generation in the country; and
- (d) if so, the details thereof?

Answer

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

(a)&(b): Yes, Madam. The wind resource assessment studies carried out in the country along the coastal areas have so far indicated only a modest potential for deploying commercially viable off-shore wind power projects. The Centre for Wind Energy Technology(C-WET), Chennai has been sanctioned a project for off-shore wind potential assessment in an area between Kanyakumari and Rameshwaram by using Satellite Aperture Radar (SAR) and 100 metre anemometry.

(c)&(d): Yes, Madam. All the major manufacturers with advance technologies for wind energy generation are available in the country. The trend in recent installations is moving towards better aerodynamic design; use of lighter and larger blades; higher towers; gearless operation and advanced power electronics to suit moderate wind regime and local grid network. The manufacturing of wind turbines with latest technology like permanent magnet generator has also started in the country.