

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

STARRED QUESTION NO:228

ANSWERED ON:11.03.2011

OFF SHORE WIND FARMS

Panda Shri Baijayant;Pradhan Shri Nityananda

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

- (a) whether the Government has explored the possibilities of setting up of off-shore wind farms in the country;
- (b) if so, the details of the off-shore wind farms presently under-construction in the country alongwith the estimated power generation capacity;
- (c) whether any difficulties/hurdles are being faced in developing such farms;
- (d) if so, the details thereof and the corrective measures being taken by the Government in this regard;
- (e) whether the Indian National Centre for Ocean Information Services has made any detailed survey and mapped potential zones for setting up of such farms; and
- (f) if so, the details thereof?

Answer

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

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

STATEMENT

STATEMENT IN REPLY TO LOK SABHA STARRED QUESTION NO. 228 (8TH PRIORITY) BY SHRI NITYANANDA PRADHAN AND SHRI BAIJAYANT JAY PANDA TO BE ANSWERED ON THE 11.03.2011 REGARDING OFF-SHORE WIND FARMS

(a),(b),(c),(d),(e) & (f): The Government is exploring the possibility of establishing off-shore wind farms in the country. A preliminary analysis of the data available with some organizations including Indian National Centre for Ocean Information Services (INCOIS) suggests that there could be offshore wind energy potential in the coastal areas of Tamil Nadu and Gujarat. The Ministry has constituted a Technical Committee to analyze the offshore wind data available with agencies such as Indian National Centre for Ocean Information Services (INCOIS), Lighthouses and Light Ships Organisation, Oil and Natural Gas Corporation (ONGC) etc. as per the Internationally accepted protocols in order to identify the offshore wind areas and their potential. However, this will need to be validated by setting up of offshore masts to measure 1-2 years' wind speed data. Further, an analysis of the seabed would also be required to assess the kind of foundation needed for setting up of offshore wind energy projects.

The Ministry has sanctioned a project to C-WET, Chennai to carry out offshore wind resource assessment in association with RISO, Denmark at Dhanushkodi, Ramanathapuram District, Tamil Nadu. The study envisages wind data measurement at 100 m with the help of Satellite Aperture Radar (SAR) system.