

**GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA**

UNSTARRED QUESTION NO:4490
ANSWERED ON:06.08.2009
PRODUCTION OF ELECTRICITY FROM WIND GENERATORS
Ramasubbu Shri S.

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

- (a) whether the Oil and Natural Gas Corporation (ONGC) has started producing electricity from wind generators in various States in the country;
- (b) if so, the details thereof;
- (c) whether this method is cost effective in comparison to diesel or gas generators;
- (d) if so, the comparative details thereof; and
- (e) the steps taken by the Government to generate more electricity through wind generators?

Answer

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS (SHRI JITIN PRASADA)

- (a) Yes, Madam. Oil and Natural Gas Corporation Limited (ONGC) has installed Wind Generators in the State of Gujarat only and have started producing electricity.
- (b) The capacity of the Plant is 51MW (Megawatt) comprising of 34 machines having capacity of 1.5 MW each.
- (c) Yes, Madam. Wind power is clean, green energy (pollution-free) and its long term generation is cost effective than Diesel and Gas methods. However, the wind power is cyclic and subject to variation and therefore, is a supplementary source of energy.
- (d) Comparative details of captive power generation from diesel, wind and gas in ONGC is of the following order:

Generation Mode	Rs./Kilo Watt hour	Remarks/Criteria
Wind	2.00	As per Bid valuation for wind project
Gas	2.26	As in Hazira Plant
Diesel	10.00-11.00	Depending upon generation for standby, drilling etc. undertaken by ONGC.
- (e) Based on pre-feasibility in-house study carried out by ONGC, four states viz. Gujarat, Maharashtra, Rajasthan and Andhra Pradesh have been identified to carryout Detailed Feasibility Report (DFR) studies.