

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

UNSTARRED QUESTION NO:1939  
ANSWERED ON:04.12.2014  
COST OF RENEWABLE ENERGY  
Jaiswal Dr. Sanjay

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

- (a) whether renewable energy has been grid-competitive in the country;
- (b) if so, the details of cost for various renewable energy sources in comparison to conventional fossil fuels; and
- (c) if not, the time by which grid parity would be achieved and the details of Government's plan to achieve the same?

**Answer**

THE MINISTER OF STATE FOR POWER, COAL & NEW AND RENEWABLE ENERGY (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a),(b)&(c): The cost of power generation from wind, biomass and small hydro is almost comparable with that of the conventional sources. However, it is cost competitive in regions having dominant diesel grid and in remote areas where extension of grid is uneconomical. Solar power is presently more expensive than conventional power. However, there has been significant reduction in cost of solar power during last three years. Solar Power may achieve grid parity by the year 2017 or so. The details of estimated capital cost of various renewable energy sources is given in Annexure.