

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

UNSTARRED QUESTION NO:2231  
ANSWERED ON:24.07.2014  
COST OF RENEWABLE ENERGY  
Jaiswal Dr. Sanjay

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

- (a) whether renewable energy has become grid-competitive in the country;
- (b) if so, details of cost of 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 action plan prepared by the Government to achieve the same?

**Answer**

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

(a),(b)&(c): Yes, Madam. Power generation from renewable energy sources is in general, more expensive than conventional sources. However, it is cost competitive in regions from dominant diesel grid and in remote areas where extension of grid is uneconomical. The cost of power generation from wind, biomass and small hydro is almost comparable with conventional sources. 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 and estimated cost of electricity generation from various renewable energy sources is given in Annexure.