

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2870
TO BE ANSWERED ON 20.03.2018
POWER GENERATION THROUGH RENEWABLE ENERGY SOURCES

2870. Shri TIRUCHI SIVA

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

- (a) how many megawatts of power has been generated through renewable energy sources;
- (b) the cost of manufacturing of per unit of power through solar and wind energy; and
- (c) the cost of per unit electricity generated through renewable energy sources to households?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER (I/C)
(SHRI R. K. SINGH)

(a) A cumulative grid connected renewable capacity of 64.31 GW has been installed in the country upto 31st January 2018. A total of 85.65 billion units of power were generated in the country during the year 2017-18 (from 1st April 2017 to 31st January, 2018) through this capacity.

(b) & (c) The cost of production of electricity from solar & wind varies from place to place depending upon, interalia, intensity of solar radiations, speed of wind, land cost, cost of financing, cost of basic infrastructure and state policies. The lowest power tariff recently discovered for solar was Rs 2.44/kWh at Bhadala Solar Park and lowest tariff of Rs 2.43/kWh for wind has been discovered at recent auction conducted by Gujarat state in Dec 2017. The State DISCOMs purchase power from different sources including renewable energy sources. The cost of supply of power to the consumer / households is worked out on the basis of pooled power cost.
