

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-1596
TO BE ANSWERED ON-26.07.2018

PRODUCTION OF RENEWABLE ENERGY

1596. DR. P.K. BIJU

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

- (a) whether the target set by the Government to produce 175 GW of renewable energy by 2022 of which 100 GW will be for solar energy is realistic and achievable;
- (b) if so, the details thereof;
- (c) whether the Government has worked out the target meticulously and if so, the details thereof;
- (d) the financial commitments required to increase the present production of solar energy to 100 GW units in four years; and
- (e) whether the Government has any plan to produce enough number of photovoltaic cells at affordable costs so that solar energy will be competitive expense-wise and if so, the details thereof?

ANSWER

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

(a) to (c) A target of installing 175 GW of renewable energy capacity by the year 2022 has been set, which includes 100 GW from solar, 60 GW from wind, 10 GW from bio-mass and 5 GW from small hydro. Renewable Energy projects of 71.33 GW have been installed in the country as on 30.06.2018. This includes 34.29 GW wind power and 23.02 GW of solar power.

The target set is realistic and achievable. The Ministry of New and Renewable Energy have laid down a detailed trajectory so as to achieve the targets by 2022.

(d) Solar projects of 23.02 GW capacity have been installed so far in the country. For installation of remaining 67 GW, an estimated investment of Rs. 3,35,000 Crore (@ Rs. 5 Crore per MW) is required. Most of the investment in this sector comes from the private sector.

(e) Presently local manufacturing capacity is not enough to meet the present demand on account of which import of photovoltaic cells/solar panels is taking place. The costs are already affordable, as tariff has reached to the level of Rs. 2.44 per unit, which is lower than fossil fuel based electricity projects.
