

Wind energy projects

296. SHRI JOSE K. MANI: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) what is the recorded progress on the proposal for installing 20 GW capacity of wind energy projects by March, 2020; and

(b) what steps have been taken in land acquisition for the 20 GW wind energy projects, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) The Government has set a target of installing 60 GW of wind power capacity by the year 2022. Against this target, a capacity of 37.09 GW has already been installed as on 31.10.2019.

(b) The energy generated from wind energy projects is procured through transparent competitive bidding process as per 'Guidelines for Tariff Based Competitive Bidding Process for Procurement of Power from Grid Connected Wind Power Projects' issued on 8th December 2017 and subsequent amendment dated 16th July 2019. The guidelines, *inter-alia*, provide that procuring land for setting up of wind power project is the responsibility of the bidder.

Promotion of new and renewable energy

†297. MS. SAROJ PANDEY: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government has prepared any work plan to end dependency on traditional sources of energy and to promote use of new and renewable energy, if so, the details thereof;

(b) the number of renewable energy plant/institutes established during last five years in the country and electricity production capacity of these plants/ institutes in megawatt; and

(c) the target set by Government for energy production through renewable sources till year 2022, and percentage of total energy requirements expected to be fulfilled by this production?

†Original notice of the question was received in Hindi.

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI RAJ KUMAR SINGH): (a) As per the Government of India's submission to the United Nations Framework Convention on Climate Change on Intended Nationally Determined Contribution (INDC), atleast 40% cumulative electric power capacity will be based on non-fossil fuel energy resources by 2030. Accordingly, the Government has set a target of installing 175 GW of renewable energy capacity by 2022.

(b) A total of 42796.57 MW renewable energy capacity have been installed during last five years in the country. The electricity generation through these projects during last five years is given below:

Year	Generation (in MUs)
2014-15	61784.93
2015-16	65780.9
2016-17	81548.21
2017-18	101839.48
2018-19	126759.09

(c) The Government has set a target of installing 175 GW of renewable energy capacity by the year 2022 which includes 100 GW from solar, 60 GW from wind, 10 GW from Biomass and 5 GW from Small Hydro. As per Central Electricity Authority's National Electricity Plan, contribution of renewable energy sources is estimated to be around 21% in the total electricity generation by the year 2022.

Lower tarrifs of solar energy

†298. SHRI MAHESH PODDAR: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is a fact that during last three years production of solar energy has increased in the country and due to increased production the tariffs have been reduced;

(b) if so, the details of current tariff rates thereof; and

(c) the details of sale of solar energy during last three years by DISCOM of various States?

†Original notice of the question was received in Hindi.