

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-2216
TO BE ANSWERED ON-08.03.2018
ACHIEVEMENT IN SOLAR ENERGY PRODUCTION

2216. SHRI RAYAPATI SAMBASIVA RAO

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

(a) whether the country has achieved the milestone of 20 GW cumulative solar capacity four years ahead of the target for 2022 as per the National Solar Mission and if so, the details thereof;

(b) the significance of this achievement on the demand and supply of power in the country;

(c) the percentage of energy met through solar, wind and thermal energies presently in the country, source-wise;

(d) whether the percentage of renewable energy in the total energy mix of the country has been increased in the last decade or so;

(e) if so, the details thereof; and

(f) the target set by the Government in terms of solar installations in the country?

ANSWER

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

(a) As on 28.02.2018, a grid connected solar capacity of 19.58 GW has been installed in the country and the Government is very close to achieving 20 GW of the target set initially in January, 2010 at the launch of National Solar Mission.

(b) The achievement of installation of 19.58 GW grid connected solar capacity has improved the power availability and has improved the gap between demand and supply of power in the country.

(c) As per inputs received from Central Electricity Authority (CEA), the source-wise generation of energy including percentage energy mix thereof in the country in 2017-18 (upto January, 2018) is given at Annexure.

(d) and (e) The CEA has reported increase in percentage of Renewable Energy in the total energy mix from 5.56% in 2014-15 to 7.83% in 2017-18 (upto January, 2018).

(f) The Government have revised the target for installation of grid connected solar power capacity from 20 GW to 100 GW by 2022.

**ANNEXURE REFERRED TO IN REPLY TO PART (c) OF LOK SABHA
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Source wise energy generation through various sources

Source Name	2017-18 (upto January 2018)	
	Generation in MU	% Energy Mix
Wind	47482.24	4.34
Solar	19850	1.82
Thermal	857923.14	78.46