

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 3056
ANSWERED ON 04.08.2022

INCREASING CAPACITY OF RENEWABLE ENERGY

3056. SHRIMATI NUSRAT JAHAN RUHI

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

- (a) the details of individual capacities of various renewable energy sources such as solar, hydro and wind power during the last three years and the current year in the country, State and source-wise;
- (b) whether the Government has achieved the objective of increasing the capacity of renewable energy to 175 GW by 2022 as per NITI Aayog's strategy for new India @75 report 2019 and if so, the details thereof; and
- (c) the details of measures being taken to increase indigenous manufacturing in the renewable industry given that at least eighty percent of such imports are from China?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER
(SHRI R.K. SINGH)

(a) The State-wise and source-wise details of renewable energy capacity addition (including large hydro) in the country during the last three years & current year i.e. from 2019-20 to 2022-23 (upto June 2022) are given in **Annexure-I**.

(b) A total of 160.92 GW of renewable energy capacity has been installed in the country as on 30-06-2022. Further, renewable energy projects of 74.76 GW capacity are under various stages of implementation and 23.14 GW capacity are under various stages of bidding.

(c) In order to incentivize domestic manufacturing of renewable energy systems, the Government has taken a number of steps, including:

Solar Energy:

- (i) Modified Special Incentive Package Scheme (M-SIPS) Scheme of Ministry of Electronics & Information Technology.
- (ii) Production Linked Incentive (PLI) Scheme for production of High Efficiency Solar PV Modules.
- (iii) Preference to 'Make in India' in Public Procurement in the renewable energy Sector.
- (iv) Domestic Content Requirement (DCR) under schemes such as CPSU Phase-II, PM-KUSUM, Solar Rooftop Phase-II, etc.
- (v) Imposition of Basic Customs Duty on import of solar PV cells & modules.

Wind Energy:

(vi) Government have put in place a system of Revised List of Models and Manufacturers, and only equipment manufactured by manufacturers in the list is allowed to be used for Wind Energy Projects. It also mandates that Hub and Nacelle assembly / manufacturing facility shall be in India. More than 70 percent of the wind equipment is manufactured in India.

Annexure-I referred to in reply to part (a) of Lok Sabha Unstarred Question No. 3056 for 04/08/2022 regarding 'Increasing Capacity of Renewable Energy'

State-wise and source-wise details of renewable energy capacity addition (including large hydro) in the country during the last three years & current year i.e. from 2019-20 to 2022-23 (upto June 2022)

Source-wise and State-wise achievements made during Last Three Years and Current Year (Upto June 2022) (in MW)						
S. No.	States/ Uts	Small Hydro Power	Wind Power	Bio Power	Solar Power	Large Hydro
1	Andhra Pradesh	0.00	6.20	42.45	1216.61	0.00
2	Arunanchal Pradesh	2.00	0.00	0.00	1.65	600.00
3	Assam	0.00	0.00	2.00	112.47	0.00
4	Bihar	0.00	0.00	3.82	31.36	0.00
5	Chhattisgarh	0.00	0.00	44.17	105.38	0.00
6	Goa	0.00	0.00	0.34	17.50	0.00
7	Gujarat	28.09	3346.35	14.23	5328.48	0.00
8	Haryana	0.00	0.00	47.91	708.09	0.00
9	Himachal Pradesh	93.50	0.00	2.00	50.64	391.00
10	Jammu & Kashmir	5.29	0.00	0.00	19.63	0.00
11	Jharkhand	0.00	0.00	0.00	39.27	0.00
12	Karnataka	26.00	487.25	92.34	1477.16	0.00
13	Kerala	44.50	10.00	1.55	380.86	0.00
14	Madhya Pradesh	3.80	0.00	8.19	855.34	0.00
15	Maharashtra	5.51	218.70	75.62	1104.84	0.00
16	Manipur	0.00	0.00	0.00	4.05	0.00
17	Meghalaya	0.00	0.00	0.00	0.31	0.00
18	Mizoram	0.00	0.00	0.00	3.28	0.00
19	Nagaland	1.00	0.00	0.00	0.20	0.00
20	Orissa	51.01	0.00	0.00	36.55	0.00
21	Punjab	2.55	0.00	157.85	199.26	0.00
22	Rajasthan	0.00	196.10	0.00	11090.67	0.00
23	Sikkim	3.00	0.00	0.00	2.81	113.00
24	Tamil Nadu	0.00	897.47	22.18	3072.08	0.00
25	Telangana	0.00	0.00	38.73	1020.69	0.00
26	Tripura	0.00	0.00	0.00	7.35	0.00
27	Uttar Pradesh	24.00	0.00	24.66	1197.13	0.00
28	Uttrakhand	4.50	0.00	0.31	256.46	219.00
29	West Bengal	0.00	0.00	1.36	87.50	0.00
30	Andaman & Nicobar	0.00	0.00	0.00	17.94	0.00
31	Chandigarh	0.00	0.00	0.00	21.33	0.00
32	Daman & Diu	0.00	0.00	0.00	26.54	0.00
33	Delhi	0.00	0.00	7.00	82.77	0.00
34	Lakshwadeep	0.00	0.00	0.00	0.13	0.00
35	Pondicherry	0.00	0.00	0.00	32.21	0.00
	Total	294.75	5162.07	586.71	28608.54	1323