

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-1673
ANSWERED ON-11.02.2021

PRODUCTION OF CLEAN ENERGY

1673. SHRI NALIN KUMAR KATEEL

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

- (a) whether the Government proposes to increase the production of clean energy in the country;
- (b) if so, the details thereof;
- (c) whether the Government has any plan for cover all the States to generate clean energy on the large scale;
- (d) if so, the details thereof; and
- (e) the efforts made in this regard during the last three years and the current year, State and year-wise?

ANSWER

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and MoS for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a to d) The Government has set a target for installing 175 GW of Renewable Energy capacity (excluding large hydro) by the year 2022 which includes 100 GW from solar, 60 GW from wind, 10 GW from Biomass and 5 GW from Small Hydro. So far a cumulative renewable energy capacity of 91.15 GW (excluding large hydro) has been achieved in the country up to 31st December, 2020 which includes 37.47 GW from solar, 38.62 GW from wind, 10.31 GW from Biomass and 4.75 GW from Small Hydro Power. If we include large hydro which is also Renewable Energy the total installed renewable energy capacity as on 31.12.2020 becomes 136.95 GW.

The measures taken by the Government to increase the production of the clean energy across all states in the country interalia include:

- permitting Foreign Direct Investment (FDI) up to 100 percent under the automatic route,
- waiver of Inter State Transmission System (ISTS) charges and losses for inter-state sale of solar and wind power for projects to be commissioned by 30th June 2023,
- declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2022,
- setting up of Ultra Mega Renewable Energy Parks to provide land and transmission on plug and play basis,
- Schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 MW CPSU Scheme Phase II, etc,
- laying of new transmission lines and creating new sub-station capacity under the Green Energy Corridor Scheme for evacuation of renewable power,
- notification of standards for deployment of solar photovoltaic system/devises,
- setting up of Project Development Cell for attracting and facilitating investments,
- Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar PV and Wind Projects, wherein adequate provisions have been made to protect Power Purchase Agreements.
- Government has issued orders that power shall be dispatched against Letter of Credit(LC) or advance payment to ensure timely payment by Distribution Licensees to RE generators.

(e) The details of state-wise and source-wise renewable energy capacity (excluding large hydro) installed in the country during the last three years and current year (upto December 2020) are given in the **Annexure**.

**Annexure referred to Part- (e) of Lok Sabha Unstarred Question No. 1673 for 11/02/2021
regarding “Production of Clean Energy”**

Source-wise and State-wise achievements made during the last three years and current Year (April 2017 to Dec 2020) (in MW)						
		Solar Power	Wind Power	Small Hydro Power	Bio-Power	Waste to Energy
1	Andhra Pradesh	1976.95	473.60	11.00	6.49	0.00
2	Arunanchal Pradesh	5.35	0.00	26.50	0.00	0.00
3	Assam	31.21	0.00	0.00	2.00	0.00
4	Bihar	48.89	0.00	0.00	3.50	0.00
5	Chhattisgarh	111.14	0.00	0.00	14.40	0.00
6	Goa	4.07	0.00	0.00	0.00	0.34
7	Gujarat	2659.37	2851.90	62.34	12.00	0.00
8	Haryana	169.02	0.00	0.00	30.00	1.20
9	Himachal Pradesh	42.00	0.00	79.70	2.00	0.00
10	Jammu & Kashmir	19.37	0.00	27.95	0.00	0.00
11	Jharkhand	15.78	0.00	0.00	0.00	0.00
12	Karnataka	6299.97	1117.40	55.00	420.10	0.00
13	Kerala	72.44	11.00	9.00	1.55	0.00
14	Madhya Pradesh	1583.11	22.10	13.55	2.00	0.00
15	Maharashtra	1434.20	229.00	33.41	503.00	0.00
16	Manipur	6.33	0.00	0.00	0.00	0.00
17	Meghalaya	0.11	0.00	1.50	0.00	0.00
18	Mizoram	1.43	0.00	0.00	0.00	0.00
19	Nagaland	0.50	0.00	0.00	0.00	0.00
20	Orissa	320.18	0.00	24.01	0.00	0.00
21	Punjab	145.63	0.00	2.65	176.35	1.50
22	Rajasthan	3575.20	45.10	0.00	0.00	0.00
23	Sikkim	0.07	0.00	0.00	0.00	0.00
24	Tamil Nadu	2620.86	1566.99	0.00	110.60	0.00
25	Telangana	2649.38	27.30	0.00	1.00	27.30
26	Tripura	4.32	0.00	0.00	0.00	0.00
27	Uttar Pradesh	955.57	0.00	24.00	26.25	0.00
28	Uttarakhand	85.15	0.00	0.00	0.00	0.00
29	West Bengal	123.58	0.00	0.00	0.00	0.00
30	Andaman & Nicobar	22.66	0.00	0.00	0.00	0.00
31	Chandigarh	27.84	0.00	0.00	0.00	0.00
32	Dadar & Nagar Haveli	2.49	0.00	0.00	0.00	0.00
33	Daman & Diu	29.51	0.00	0.00	0.00	0.00
34	Delhi	124.69	0.00	0.00	0.00	24.00
35	Lakshwadeep	0.00	0.00	0.00	0.00	0.00
36	Pondicherry	7.46	0.00	0.00	0.00	0.00
37	Others	0.00	0.00	0.00	0.00	0.00
	Total	25175.83	6344.39	370.60	1311.24	54.34