

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
STARRED QUESTION NO. 369
TO BE ANSWERED ON 19.03.2020

NEW AND RENEWABLE ENERGY CAPACITY IN UTTAR PRADESH

+*369. SHRIMATI KESHARI DEVI PATEL

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

- (a) the details of new and renewable energy capacity in Uttar Pradesh at present, source-wise;
- (b) whether the Government is taking steps to enhance renewable energy capacity in the State and if so, the details thereof;
- (c) the details of the targets fixed regarding power generation from various renewable energy sources in the State along with the achievements made in this regard during each of the last three years and the current year;
- (d) the quantum of funds allocated/released along with the quantum of funds utilised in this regard during each of the last three years and the current year; and
- (e) the details of the proposals approved for various new and renewable energy projects in Uttar Pradesh during the above period along with the proposals still pending with the Government?

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 (e): A statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO LOK SABHA STARRED QUESTION

No. 369 for ANSWER ON 19/03/2020

(a): A total of 3737.31 MW of renewable energy capacity has been installed in state of Uttar Pradesh as on 29th February, 2020. Source wise details are as given below:-

Source	Installed Capacity (in MW)
Solar	1095.10
Small Hydro Power	25.10
Large Hydro Power	501.60
Bio-Power	2115.51
Total	3737.31

(b): As per Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA), the steps taken by the State Government of Uttar Pradesh to enhance renewable energy capacity in the state are as under:-

- i. The State Government of Uttar Pradesh declared Solar Energy Policy, 2017 in December 2017. According to this policy, the Government will endeavor to install 10700 MW of Solar Power capacity by 2022. Out of this, 4300 MW will be installed through Rooftop Solar Power Plants and 6400 MW through Utility Scale Large Solar Power Plants.
- ii. Installation of 75 MW of solar power plants of 0.5 to 2 MW capacity by 2022 under Component A of PM-KUSUM scheme.
- iii. Installation of 30000 solar irrigation pumps of different capacities by 2022 under Component B of PM-KUSUM scheme.
- iv. Solarisation of 20000 private grid interactive irrigation pumps by 2022 under Component C of PM-KUSUM scheme.

Besides, the Government of India has taken following steps to catalyze development & deployment renewable energy capacity in the country including the state of Uttar Pradesh are as follows:-

- i. declaration of trajectory for Renewable Purchase Obligation (RPO) up to the year 2022,
- ii. notification of standard bidding guidelines to enable distribution licensee to procure solar and wind power at competitive rates
- iii. 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 31st December, 2022,
- iv. Permitting Foreign Direct Investment (FDI) up to 100 percent under the automatic route,
- v. strengthening of Power Purchase Agreements (PPAs),
- vi. mandating requirement of Letter of Credit (LC) as payment security mechanism by distribution licensees for ensuring timely payments to RE generators,

- vii. setting of Ultra Mega Renewable Energy Parks to provide land and transmission on plug and play basis,
- viii. Laying of new transmission lines and creating new sub-station capacity under Green Energy Corridor Scheme for evacuation of power from renewable rich areas.
- ix. launching of new schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), Solar Rooftop Phase II, 12000 MW CPSU Scheme Phase II, etc

(c) The State Government of Uttar Pradesh has set a target of installing 10700 MW of solar power as per Solar Energy Policy 2017 by 2022. Out of this, 4300 MW will be installed through Rooftop Solar Power Plants and 6400 MW through Utility Scale Large Solar Power Plants.

The state-wise and source-wise details of renewable energy grid connected capacities installed including the state of Uttar Pradesh during the last three years and current year are given in the **Annexure**.

(d) A total amount of Rs 130.47 crore has been released as Central Financial Assistance (CFA) to the state of Uttar Pradesh during last three years and current year for implementing various renewable energy schemes / programmes in the state; against which, Utilization Certificates for an amount of Rs 115.34 crore have been received.

(e) No proposal from Uttar Pradesh for New and Renewable Energy project are pending with Government of India for approval.

Annexure**Annexure referred to in reply to part (c) of Lok Sabha Starred Question No. 369 for 19/3/2020 regarding 'New & Renewable Energy Capacity in Uttar Pradesh'**

Source-wise and State-wise achievements made during the last three years and current year including large hydro (April 2016 to Feb 2020) (in MW)							
		Solar Power	Wind Power	Small Hydro Power<25 MW	large Hydro Power> 25MW	Bio-Power	Total
1	Andhra Pradesh	2986.06	2661.05	20	0	0	5667.11
2	Arunachal Pradesh	5.35	0	26.5	410	0	441.85
3	Assam	41.23	0	0	0	0	41.23
4	Bihar	146.47	0	0	0	9	155.47
5	Chhattisgarh	137.77	0	24	0	0	161.77
6	Goa	4.78	0	0	0	0	4.78
7	Gujarat	1757.24	3530.4	52.35	0	12	5351.99
8	Haryana	224.75	0	0	0	26.2	250.95
9	Himachal Pradesh	32.73	0	117.7	494.98	0	645.41
10	Jammu & Kashmir	18.3	0	23.95	330	0	372.25
11	Jharkhand	22.2	0	0	40	0	62.2
12	Karnataka	7131.41	1921.5	63	58.8	464.6	9639.31
13	Kerala	128.9	19	23.1	0	0	171
14	Madhya Pradesh	1482.09	378.8	9.75	0	11.5	1882.14
15	Maharashtra	1406.79	346.55	39.7	160	532.7	2485.74
16	Manipur	5.16	0	0	0	0	5.16
17	Meghalaya	0.12	0	1.5	40	0	41.62
18	Mizoram	1.42	0	5	60	0	66.42
19	Nagaland	1	0	0	0	0	1
20	Orissa	330.92	0	0	114.75	0	445.67
21	Punjab	534.52	0	2.65	0	22.5	559.67
22	Rajasthan	3763.8	305.7	0	0	4.95	4074.45
23	Sikkim	0.07	0	0	1299	0	1299.07
24	Tamil Nadu	2850.97	1678.455	0	0	95.5	4624.925
25	Telangana	3092.9	50.4	0	209	0	3352.3
26	Tripura	4.41	0	0	0	0	4.41
27	Uttar Pradesh	951.06	0	0	0	24.5	975.56
28	Uttrakhand	272.96	0	0	0	0	272.96
29	West Bengal	106.57	0	0	160	0	266.57
30	Andaman & Nicobar	7.09	0	0	0	0	7.09
31	Chandigarh	30.19	0	0	0	0	30.19
32	Dadar & Nagar Haveli	5.46	0	0	0	0	5.46
33	Daman & Diu	13.31	0	0	0	0	13.31
34	Delhi	139.38	0	0	0	36	175.38
35	Pondicherry	5.48	0	0	0	0	5.48
	Total	27642.86	10891.86	409.2	3376.53	1239.45	43559.9