

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1106**  
ANSWERED ON 29/07/2025

**PROPOSALS AND EXECUTION OF RENEWABLE ENERGY PROJECT**

1106. SHRI R. GIRIRAJAN

Will the Minister of New and Renewable Energy be pleased to state:

- (a) the detailed list of renewable energy (RE) projects proposed and executed during last five years in Installations/buildings of both the Central and State Governments as well as Private institutes;
- (b) whether Government has any plans to approve such new RE projects to make them mandatory for Government/Private sectors;
- (c) if so, the details thereof
- (d) whether Government has conducted any studies to find out the impact of efficient and cost effective Solar PV modules and wind stream technologies in generation of renewable energy in the country; and
- (e) if so, the details thereof and the list of studies conducted and projects implemented annually in the last five years, year-wise, State-wise?

**ANSWER**

**THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER**

**(SHRI SHRIPAD YESSO NAIK)**

(a) A total of 15206.68 MW capacity of grid connected rooftop solar systems has been installed during the last five years across all sectors-Residential, Government, Commercial and Industrial (C&I), Institutional, Social and Private establishments, etc., as reported by the DISCOMS.

(b) & (c) Saturation of Government buildings by installation of rooftop solar is one of the components of the PM Surya Ghar Muft Bijli Yojana. Detailed guidelines in this regard providing various implementation models and allocating Central Public Sector Enterprises (CPSEs) with experience in deployment of renewable energy technologies to assist Central Ministries & States/UTs in deploying rooftop solar on their buildings, has been issued.

(d)&(e) National Centre for Photovoltaic Research and Education (NCPRE), IIT Bombay has conducted a study on the performance of solar module in the country.

Further, the Ministry of New & Renewable Energy has put in place a procedure to enlist type and quality certified wind turbines titled 'Revised List of Models & Manufacturers' (RLMM).

Year-wise and State-wise details of the renewable energy capacity (excluding Large Hydro) installed during the last five years are given at **Annexure**.

\*\*\*\*\*

**Annexure referred to in reply of parts (d) & (e) of the Rajya Sabha Unstarred Question  
No. 1106 to be answered on 29.07.2025**

**Year-wise and State-wise details of the renewable energy capacity  
(excluding Large Hydro) installed during the last five years**

S. No.	STATES / UTs	2020-21	2021-22	2022-23	2023-24	2024-25
<b>(In MW)</b>						
1	Andhra Pradesh	604.71	125.42	148.62	59.15	1085.15
2	Arunachal Pradesh	0.29	1.07	2.41	0.15	10.565
3	Assam	3.81	66.38	29.98	8.26	40.36
4	Bihar	11.54	10.72	2.26	60.54	89.11
5	Chhatisgarh	21.63	102.56	430.74	263.57	145.07
6	Goa	2.66	12.39	6.54	18.59	12.96
7	Gujarat	2520.48	3373.65	2847.96	6035.86	5931.31
8	Haryana	215.32	479.62	119.96	470.83	617.02
9	Himachal Pradesh	36.7	43.88	26.93	7.74	140.03
10	Jammu & Kashmir	7	-36.5	4.51	39.25	29.05
11	Jharkhand	14.41	18.93	17.05	71.36	38.51
12	Karnataka	231.2	399.46	814.65	1033.5	2475.7
13	Kerala	124.57	98.28	422.26	272.35	523.92
14	Ladakh	0	47.44	1.35	2	2.8
15	Madhya Pradesh	241.22	176.91	436.2	1193.29	1494.33
16	Maharashtra	560.585	321.23	2100.42	1725.62	4871.34
17	Manipur	1.41	0.86	0.03	0.76	0.75
18	Meghalaya	0	0.3	0	22.59	0.04
19	Mizoram	0.93	0.92	29.11	2.3	0.08
20	Nagaland	0.07	0.13	2	0.13	0
21	Odisha	29.255	43.71	10.93	42.46	133.81
22	Punjab	176.94	120.32	97.81	201.99	106.5
23	Rajasthan	677.38	6639.27	5357.43	4294.84	7032.45
24	Sikkim	0	2.74	3	2.36	0.52
25	Tamil Nadu	887.83	800.83	1821.05	2063.07	3079.74
26	Telangana	353.74	568.2	146.18	93.43	83.94
27	Tripura	0.66	1.33	2.71	0.86	2.78
28	Uttar Pradesh	662.1	422.05	297.53	414.52	526.74
29	Uttarakhand	52.28	197.91	1.99	2.8	38.83
30	West Bengal	35.41	4.71	34.63	19.35	130.05
31	Andaman & Nicobar Islands	17.03	0.03	0.42	0	0
32	Chandigarh	4.61	9.2	3.52	6.83	13.33
33	Dadra & Nagar Haveli and Daman & Diu	20.69	0.17	0.29	0	5.4
34	Delhi	27.81	23.69	32.14	38.25	56.89
35	Lakshwadeep	0	0	0	1.7	0
36	Puducherry	3.82	4.18	21.84	14.38	4.6
	<b>Total (MW)</b>	<b>7548.09</b>	<b>14081.99</b>	<b>15274.45</b>	<b>18484.68</b>	<b>28723.68</b>