

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 2594
ANSWERED ON 17.03.2022

GRID CONNECTED ROOFTOP SOLAR SCHEME

2594. COL. RAJYAVARDHAN RATHORE

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

- (a) the cumulative capacity achieved from Grid Connected Rooftop Solar Scheme during the last three years and the current year, State-wise including districts of Rajasthan;
- (b) the details of total subsidy amount released under the Grid-Connected Rooftop Solar Scheme, year and State-wise;
- (c) whether the Government has prepared an action plan to achieve the targeted 40,000 MW by 2022 and if so, the details thereof;
- (d) whether the Government proposes to increase the current incentive or subsidy structure to encourage installation of Grid-Connected Solar Rooftops in States with high potential of untapped solar energy;
- (e) if so, the details thereof;
- (f) the steps taken by the Government to make the Grid-Connected Rooftop Solar Scheme easily accessible to people; and
- (g) whether any awareness drives were conducted in this regard and if so, the details thereof?

ANSWER

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

(a) An aggregate capacity of around 4877 MW has been achieved from rooftop solar plants installed in the country during the last 3 years and current year. This include 2053 MW capacity achieved under Rooftop Solar Programme of the Ministry of New and Renewable Energy. State-wise details are furnished at **Annexure I**.

Rajasthan has reported achievement of 748 MW capacity from rooftop solar plants of which, around 682 MW has been installed during the last 3 years and the current year (upto 28.02.2022). District-wise details are given at **Annexure-II**.

(b) The year and State-wise details of total subsidy amount released under the Rooftop Solar Programme are furnished at **Annexure III**.

(c) to (g) To achieve rooftop solar capacity target of 40 GW capacity, the Ministry of New and Renewable Energy is implementing Rooftop Solar Programme Phase II, targeting installation of aggregated 4000 MW capacity rooftop solar plants in the residential sector through central financial assistance (CFA) by the year 2022. CFA upto 40% of the benchmark cost is provided for RTS projects upto 3 kW capacities and upto 20% for RTS system capacity beyond 3 kW and up to 10 kW for individual households. For Group Housing Societies/Residential Welfare Associations (GHS/RWA), CFA is limited to 20% for RTS plants for supply of power to common facilities maximum 500 kW capacity.

In addition, incentives up to 10% of cost of rooftop solar is provided to Distribution Utilities for addition in capacity above baseline.

There is no proposal to increase the subsidy or incentive under the Rooftop Solar Programme Ph-II.

Against this target capacity of 4000 MW, based on the demand received from states, around 3160 MW capacity has been allocated to states implementing agencies, out of which 1252 GW capacity has been reported installed as on 28.02.2022.

The implementation of the Programme is reviewed from time to time to make it effective in delivering the targeted benefits and guidelines are amended accordingly. Recently MNRE has issued procedure for simplification of Rooftop Solar Programme allowing household owners to get the rooftop solar plant installed by themselves or through any vendor of their choice.

Ministry is taking several steps to publicise the Programme including display of hoardings, distribution of pamphlets, using social media platforms, etc.

Rooftop Solar capacity installed between 2018-19 to 2021-22 (upto 28.02.2022)

S.No.	States/UTs	Capacity in MW
1	Andaman & Nicobar	3.13
2	Andhra Pradesh	101.54
3	Arunachal Pradesh	0.00
4	Assam	28.22
5	Bihar	18.33
6	Chandigarh	29.16
7	Chhattisgarh	21.18
8	Goa	18.17
9	Gujarat	1628.19
10	Haryana	241.86
11	Himachal Pradesh	18.58
12	Jammu and Kashmir	13.66
13	Jharkhand	28.59
14	Karnataka	180.11
15	Kerala	157.65
16	Lakshadweep	0.00
17	Ladakh	0.00
18	Madhya Pradesh	159.68
19	Maharashtra	790.17
20	Manipur	4.81
21	Meghalaya	0.19
22	Mizoram	1.35
23	Nagaland	0.08
24	NCT of Delhi	112.19
25	Odisha	16.31
26	Puducherry	9.17
27	Punjab	88.20
28	Rajasthan	695.13
29	Sikkim	2.67
30	Dadra and Nagar Haveli and Daman And Diu	0.48
31	Tamil Nadu	131.52
32	Telangana	193.77
33	Tripura	3.04
34	Uttarakhand	64.70
35	Uttar Pradesh	79.64
36	West Bengal	36.43
	Total	4877.90

**District-wise Rooftop Solar capacity installed in Rajasthan between 2018-19 to 2021-22
(upto 28.02.2022)**

S. No	Circle	Installed capacity in MW
Jaipur Discom		
1	Alwar	66.31
2	Baran	1.87
3	Bharatpur	4.29
4	Bundi	4.52
5	Dausa	3.15
6	Dholpur	0.75
7	Jaipur	193.50
8	Jhalawar	2.80
9	Karauli	0.96
10	Kota	36.95
11	Sawai Madhopur	2.85
12	Tonk	9.44
Total		327.37
Ajmer Discom		0.00
1	Ajmer	71.07
2	Bhilwara	62.82
3	Nagaur	11.98
4	Jhunjhunu	10.28
5	Sikar	14.62
6	Banswara	1.68
7	Dungarpur	1.07
8	Chittorgarh	19.49
9	Pratapgarh	0.58
10	Rajsamand	23.00
11	Udaipur	37.99
Total		254.57
Jodhpur Discom		0.00
1	Jodhpur	49.23
2	Jalore	0.76
3	Pali	17.28
4	Sirohi	6.31
5	Barmer	13.22
6	Jaisalmer	0.32
7	Bikaner	43.40
8	Hanumangarh	2.21
9	Sri Ganganagar	28.69
10	Churu	5.10
Total		166.50
Grand Total		748.45

Annexure III: Annexure I referred to part (b) of the Lok Sabha Unstarred question no. 2594 for 17.03.2022

Year-wise and state-wise expenditure under the Rooftop Solar Programme as on 08.03.2022 (Rs. in Crore)

Sl. No.	State/UTs	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22 (up to 08.03.2022)	Total
1	Andhra Pradesh	0.00	0.00	2.41	3.87	9.15	4.82	44.95	2.07	33.09	2.15	102.51
2	Assam	0.00	0.00	0.00	0.00	38.46	0.00	0.00	17.33		0.00	55.79
3	Andaman & Nicobar	0.00	0.00	0.00	0.00	0.53	7.00	0.00		0.35	0.00	7.88
4	Bihar								1.01	1.49	0.00	2.50
5	Chhattisgarh	0.00	0.00	0.00	3.60	5.50	3.30	0.00	2.67	0.00	1.20	16.27
6	Delhi	0.00	0.00	0.00	5.76	19.47	21.40	0.00	0.60	22.24	17.24	86.71
7	Gujarat	0.00	1.03	0.00	4.50	17.43	23.18	169.19	77.53	52.34	1017.18	1362.38
8	Goa	0.00	0.00	0.00	1.44	0.00	0.00	0.00			3.59	5.03
9	Haryana	0.00	0.00	0.00	3.60	16.22	0.00	11.74	13.07	4.12	0.00	48.75
10	J& K	0.00	0.00	0.00	0.00	3.68	0.00		6.68	4.89	20.18	35.44
11	Jharkhand	0.00	0.00	0.00	0.00	12.71	0.00		2.30	0.00	6.61	21.62
12	Kerala	0.00	0.00	0.00	4.68	4.05	9.41			11.72	36.34	66.20
13	Karnataka	0.00	0.00	0.00	0.00	2.52	0.00			0.00	0.00	2.52
14	Lakshadweep	0.00	0.00	0.00	0.00	0.46	0.00			0.00	0.00	0.46
15	Madhya Pradesh	0.00	0.00	0.00	1.24	31.96	3.14			31.29	0.00	67.63
16	Maharashtra	0.00	0.00	0.00	0.00	23.18	0.00	77.13		58.28	62.44	221.03
17	Odisha	0.00	0.00	0.00	2.88	0.86	1.61			0.00	0.00	5.35
18	Puduchery	0.00	0.00	0.00	0.00	1.10	0.00	0.10	0.79	0.00	0.00	1.99
19	Punjab	0.00	0.00	0.00	9.22	4.50	0.00	10.71	5.50	6.87	7.65	44.46
20	Rajasthan	0.00	0.00	0.00	4.26	14.79	11.68	21.36		21.96	10.37	84.42

Sl. No.	State/UTs	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22 (up to 08.03.2022)	Total
21	Tamil Nadu	0.00	0.51	0.00	8.23	69.67	0.00			4.41	0.00	82.82
22	Telangana	0.00	0.00	0.00	3.78	20.12	2.72	18.25	20.23	20.66	16.09	102.69
23	Tripura	0.00	0.00	0.00	0.00	0.00	0.70			0.46	0.00	1.16
24	Uttarakhand	0.00	0.00	0.01	22.13	25.97	27.09		7.67	4.55	7.66	95.08
25	Uttar Pradesh	0.00	0.00	0.00	5.86	1.16	2.32	7.52		19.92	5.88	42.66
26	West Bengal	0.00	0.00	0.00	3.09	0.17	6.30	4.08	13.38	0.00	0.00	27.02
27	Chandigarh	0.00	0.00	1.26	9.09	6.72	1.73	18.76	5.13	0.85	0.00	43.54
28	Manipur	0.00	0.00	0.00	0.91	8.11	0.00		4.15	4.03	4.67	21.87
29	Himachal Pradesh	0.00	0.00	0.00	0.00	5.43	0.00	9.76		20.63	13.76	49.58
30	Meghalaya								3.47	0.00	0.00	3.47
31	Mizoram						4.54			0.00	0.00	4.54
32	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	14.06			0.00	0.00	14.06
	Sub- Total	0.00	1.54	3.68	98.14	343.89	144.99	393.55	183.55	324.16	1233.00	2727.34
33	PSU/Govt Department	0.00	0.00	0.00	18.52	74.74	16.75	19.67	21.34	71.69	10.03	232.74
34	SECI	42.68	0.00	0.00	128.00	250.00	3.68	33.56	85.77	70.47	7.11	621.27
35	NISE	0.00	0.00	0.00	2.62	0.00	2.38				0.00	5.00
36	TERI	0.00	0.00	0.00	0.09	0.00	0.13				0.00	0.22
37	others (NFDC)	0.00	0.00	0.00	0.02	9.38	0.00				0.00	9.40
	total	42.68	1.54	3.68	247.39	678.01	167.93	446.78	290.66	466.31	1250.14	3595.96