

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 3130
ANSWERED ON 04.08.2022

TARGET OF SOLAR ENERGY

3130. SHRIMATI SARMISTHA SETHI
SHRI SRIDHAR KOTAGIRI
SHRIMATI POONAMBEN MAADAM

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

- (a) the details of the target of solar energy to be achieved by the Government during the current year and the next three years along with the actual installed capacity during the last three years, year-wise;
- (b) the details of on-grid solar capacity target along with the current installed capacity during the current year and the next three years, State and year-wise;
- (c) the classification of installed on-grid and off-grid solar energy capacity in the country, State-wise;
- (d) whether the Government is on course to achieve the target and if not, the reasons therefor; and
- (e) whether it is possible to reuse or recycle solar panel waste so generated and if so, the details thereof?

ANSWER

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

(a) The Government is working towards achieving 500 GW of installed electricity capacity from non-fossil fuels by 2030, in line with the Hon'ble Prime Minister's announcement at CoP26. Year-wise solar capacity installed during the last three years is as under:

Year	Capacity added during year (MW)
2019-20	6510.10
2020-21	5628.77
2021-22	13676.98

(b)&(c) Government has set a target of achieving 100 GW capacity of solar power by 2022. State-wise details of utility-scale, roof-top and off-grid solar capacity installed as on 30.06.2022, are given at **Annexure**.

(d) As on 30.6.2022, a solar capacity of 57.71 GW has been installed in the country. This apart, solar projects of 48.71 GW capacity are under implementation and 16.69 GW are at tendering stage. Thus, 123.11 GW solar power capacity has either been commissioned or is in the pipeline.

(e) A Committee was constituted by NITI Aayog under the Chairmanship of Secretary, MNRE with the mandate inter-alia to propose an action plan to evolve a circular economy in solar panels through reuse/recycling of the waste generated. The draft report of the Committee has been submitted to NITI Aayog.

**ANNEXURE REFERRED TO IN REPLY TO PART (b) AND (c) OF LOK SABHA
UNSTARRED QUESTION NO. 3130 FOR 04.08.2022**

**STATE-WISE DETAILS OF UTILITY SCALE, ROOF-TOP AND OFF-GRID SOLAR
CAPACITY INSTALLED (as on 30-06-2022)**

(Capacity in MW)

Sl. No.	State/UT	Utility-scale	Roof-top	Off-Grid	Total
1	Andaman & Nicobar	25.05	4.59	0.27	29.91
2	Andhra Pradesh	4149.29	152.85	88.34	4390.48
3	Arunachal Pradesh	1.27	4.34	5.62	11.23
4	Assam	100.03	33.48	9.43	142.94
5	Bihar	138.93	30.55	21.21	190.69
6	Chandigarh	6.34	49.70	0.81	56.85
7	Chhattisgarh	294.46	42.11	192.75	529.32
8	Dadra & Nagar Haveli	2.49	2.97	0.00	5.46
9	Daman & Diu	10.15	30.86	0.00	41.01
10	Delhi	8.96	200.70	1.46	211.12
11	Goa	0.95	20.47	0.12	21.54
12	Gujarat	5867.73	1898.05	41.03	7806.80
13	Haryana	265.80	397.40	280.41	943.61
14	Himachal Pradesh	35.50	19.31	25.75	80.56
15	Jammu & Kashmir	2.49	22.00	23.41	47.90
16	Jharkhand	19.05	35.21	34.53	88.79
17	Karnataka	7213.26	354.36	30.31	7597.92
18	Kerala	272.16	246.69	20.76	539.60
19	Ladakh	6.00	1.80	0.00	7.80
20	Lakshadweep	0.75	0.00	2.52	3.27
21	Madhya Pradesh	2459.02	205.62	81.64	2746.27
22	Maharashtra	1719.10	980.08	54.12	2753.30
23	Manipur	0.00	6.36	5.90	12.26
24	Meghalaya	0.00	0.21	3.94	4.16
25	Mizoram	0.10	1.55	6.35	8.01
26	Nagaland	0.00	1.00	2.04	3.04
27	Odisha	403.56	21.66	26.92	452.13
28	Puducherry	0.80	34.55	0.18	35.53
29	Punjab	828.58	222.51	66.90	1117.99
30	Rajasthan	13202.27	814.02	438.41	14454.70
31	Sikkim	0.00	2.76	1.92	4.69
32	Tamil Nadu	5264.95	368.50	57.34	5690.79
33	Telangana	4360.49	251.87	8.71	4621.07
34	Tripura	5.00	4.41	6.46	15.87
35	Uttar Pradesh	1851.50	258.78	134.28	2244.56
36	Uttarakhand	298.40	262.71	12.43	573.54
37	West Bengal	110.00	53.04	12.96	176.00
38	Others including NABARD	0.00	0.00	45.01	45.01
Total		48924.43	7037.05	1744.24	57705.72

