

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
STARRED QUESTION NO-338
ANSWERED ON-18.03.2021

INSTALLATION OF SOLAR ENERGY SYSTEMS

*338. SHRI DUSHYANT SINGH

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 off grid target that is to be achieved by the Government classified on the basis of Solar Lamps/ Lanterns, Solar Pumps, Solar Street Lights, Solar Home Lighting Systems and Solar Power Plants/Packs along with the details of the current installed capacity;
- (c) the details of on grid solar capacity target during the current year and the next three years, year-wise along with the current installed capacity; and
- (d) the State-wise classification of installed on grid and off grid solar energy capacity?

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): A Statement is laid on the Table of the House.

STATEMENT

Statement referred to in reply to parts (a) to (d) of Lok Sabha Starred Question No. 338 to be answered on 18.03.2021 regarding 'Installation of Solar Energy Systems'

(a) to (d): Government has set a target of achieving 100 GW of grid-connected solar power generating capacity by December, 2022.

The actual capacity installed during the last three years and the current year, as on 28.02.2021, for grid-connected solar power projects is as given below:

Year	Installed Capacity (MW)
2017-18	9363
2018-19	6529
2019-20	6447
2020-21 (till 28.02.2021)	4477

Cumulative grid-connected solar capacity of 39,104 MW has been installed in the country as on 28.02.2021

Under Solar Off-grid & Decentralized Solar PV Applications Scheme Phase-III, following cumulative capacities are targeted by 31.03.2021:

Solar Off-grid Application	Target
Solar Street Lights	3,00,000 nos.
Solar Study Lamps	25,00,000 nos.
Solar Power Packs	100 MWp

Under PM-KUSUM Scheme installation of 20 lakh standalone solar pumps has been targeted by December 2022.

Details of the current cumulative installed capacity for off-grid solar systems as on 28.02.2021 is given below:

Solar Off-grid Application	Installed Capacity/ Quantity
Solar Lamps/ Lanterns	79,48,219 nos.
Solar Home Lighting Systems	17,23,479 nos.
Solar Street Lights	8,30,373 nos.
Solar Pumps	2,81,368 nos.
Solar Power Plants/ Packs	216.4 MWp

State-wise details of installed grid-connected solar and off-grid solar capacities are placed at **Annexure.**

Annexure

Annexure referred in reply to Part (d) of the Lok Sabha Starred Question No. 338 (Priority No. 18) to be answered on 18.03.2021 on 'Installation of Solar Energy Systems'

Table (A) Grid-connected Solar Installed Capacity as on 28.02.2021

Sr. No.	State/UT	Cumulative Capacity till 28-02-2021 (MW)
1	Andaman & Nicobar	29.22
2	Andhra Pradesh	3996.50
3	Arunachal Pradesh	5.61
4	Assam	42.99
5	Bihar	159.51
6	Chandigarh	45.16
7	Chhattisgarh	252.48
8	Dadar & Nagar	5.46
9	Daman & Diu	40.55
10	Delhi	192.97
11	Goa	7.44
12	Gujarat	4068.30
13	Haryana	407.83
14	Himachal Pradesh	42.73
15	Jammu & Kashmir	20.73
16	Jharkhand	48.63
17	Karnataka	7355.16
18	Kerala	257.00
19	Lakshadweep	0.75
20	Madhya Pradesh	2463.21
21	Maharashtra	2289.97
22	Manipur	6.36
23	Meghalaya	0.12
24	Mizoram	1.53
25	Nagaland	1.00
26	Odisha	401.72
27	Pondicherry	9.33
28	Punjab	959.50
29	Rajasthan	5472.58
30	Sikkim	0.07
31	Tamil Nadu	4403.48
32	Telangana	3936.36
33	Tripura	9.41
34	Uttar Pradesh	1667.50
35	Uttarakhand	353.41
36	West Bengal	149.84
Total		39104.39

Table (B) Off-grid Solar Installed Capacity as on 28.02.2021

S.No.	State	Solar Home Light (Nos)	Solar lamp (Nos)	Solar Street Light (Nos)	Solar Pump (Nos)	Solar Power Plant (kW)
1	Andhra Pradesh	22972	77803	15795	34045	3815.595
2	Arunachal Pradesh	35065	125581	13741	22	963.2
3	Assam	46879	647761	17384	45	1605
4	Bihar	12303	1735227	47152	2813	6800
5	Chhattisgarh	42232	3311	3730	61970	31372.9
6	Delhi	0	4807	301	90	1269
7	Goa	393	1093	707	15	32.72
8	Gujarat	9253	31603	5004	11577	13576.6
9	Haryana	56727	93853	34625	8461	2321.25
10	Himachal Pradesh	22592	33909	92500	24	1905.5
11	Jammu & Kashmir	144316	51224	24904	39	8129.85
12	Jharkhand	9450	790515	13916	4832	3769.9
13	Karnataka	52638	7781	5069	7476	7854.01
14	Kerala	41912	54367	1735	818	16078.39
15	Madhya Pradesh	7920	529101	14258	24684	3654
16	Maharashtra	3497	239297	10420	11315	3857.7
17	Manipur	24583	9058	22367	40	1580.5
18	Meghalaya	14874	40750	5800	19	2004
19	Mizoram	12060	107217	10117	37	3864.6
20	Nagaland	1045	6766	15125	3	1506
21	Odisha	5274	99843	17955	9661	2191.515
22	Punjab	8626	17495	43448	4970	2066
23	Rajasthan	187968	225851	7114	55195	30449
24	Sikkim	15059	23300	504	0	850
25	Tamil Nadu	298641	16818	40324	6394	13052.6
26	Telangana	0	12000	2208	424	7450
27	Tripura	32723	288941	6887	214	867
28	Uttar Pradesh	235909	2351205	291392	30847	10638.31
29	Uttarakhand	91595	163386	34218	26	4059.53
30	West Bengal	145332	17662	15605	653	1730
31	Andaman & Nicobar	468	6296	1135	5	167
32	Chandigarh	275	1675	901	12	730
33	Lakshadweep	600	5289	4465	0	2190
34	Puducherry	25	1637	417	21	121
35	Others	24047	125797	9150	609	23885
36	Through NABARD	116226	0	0	4012	0
	Total	1723479	7948219	830373	281368	216407.67