

GOVERNMENT OF INDIA  
MINISTRY OF NEW AND RENEWABLE ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 917**  
TO BE ANSWERED ON 20.07.2017

**INSTALLED CAPACITY OF SOLAR BASED POWER GENERATION**

917. SHRI HARISH MEENA:  
SHRI ABHISHEK SINGH:

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

- (a) the total installed capacity of solar based power generation in the country, State-wise;
- (b) the quantum of solar energy generated during each of the last three years and the current year, State-wise;
- (c) whether the Government provides any incentives to firms producing or using solar power;
- (d) if so, the details thereof; and
- (e) the steps taken by the Government to manufacture equipment for generation of electricity and to derive maximum benefit from renewable energy and to promote renewable/solar energy in the country?

**ANSWER**

THE MINISTER OF STATE FOR POWER, COAL, NEW & RENEWABLE ENERGY AND MINES (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

**(a):** State-wise details of total grid connected solar power generation capacity are given at Annexure-I.

**(b):** As per the report received from Central Electricity Authority, State-wise details of solar power generated during each of the last three years and current year are given at Annexure-II.

**(c) & (d):** The Government is promoting solar energy through various fiscal and promotional incentives such as capital subsidy, generation based incentive, accelerated depreciation, viability gap funding (VGF), financing solar rooftop systems as part of home loan, concessional custom duty, preferential tariff for power generation from renewables, and Foreign Direct investment up to 100 per cent under the automatic route etc. The Goods and Services Tax introduced recently, has been kept at lower level of 5% to promote the solar sector.

**(e):** The Government has been supporting solar manufacturing by way of various mechanisms such as Modified Special Incentive Package Scheme (M-SIPS) of the Ministry of Electronics & Information Technology (MeitY). The scheme, inter alia, provides 20-25% subsidy on capital expenditure for setting up of electronic manufacturing facilities including manufacturing of Solar Photovoltaic (SPV) (Polysilicon, Ingots. and/ or Wafers, Cells, Modules/Panels). Units across the value chain starting from raw materials to assembly, testing, and packaging of these product categories are included.

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**ANNEXURE- I REFERRED TO IN REPLY TO PART (a) OF LOK SABHA  
UNSTARRED QUESTION NO. 917 FOR ANSWER ON 20.07.2017**

**STATE/UT-WISE DETAILS OF SOLAR POWER GENERATION CAPACITY INSTALLED**

(As on 30.06.17)

Sr. No.	State/UT	Total cumulative capacity till 30.06.2017
		(in MW)
1	Andhra Pradesh	2010.87
2	Arunachal Pradesh	0.27
3	Bihar	111.52
4	Chhattisgarh	128.86
5	Gujarat	1262.1
6	Haryana	81.4
7	Jharkhand	23.27
8	Karnataka	1180.38
9	Kerala	74.2
10	Madhya Pradesh	857.04
11	Maharashtra	452.36
12	Odisha	79.42
13	Punjab	809.45
14	Rajasthan	1961.21
15	Tamil Nadu	1697.32
16	Telangana	1609.27
17	Tripura	5.09
18	Uttar Pradesh	359
19	Uttarakhand	233.48
20	West Bengal	26.14
21	Andaman & Nicobar	6.56
22	Delhi	40.27
23	Lakshadweep	0.75
24	Puducherry	0.08
25	Chandigarh	17.32
26	Dadra and Nagar Haveli	2.97
27	Goa	0.71
28	Manipur	0.03
29	Meghalaya	0.01
30	Nagaland	0.5
31	Daman & Diu	10.46
32	J&K	1.36
33	Himachal Pradesh	0.73
34	Mizoram	0.1
35	Assam	11.78
36	Others data from rooftop division cumulative	58.31
<b>TOTAL</b>		<b>13114.59</b>

**ANNEXURE- II REFERRED TO IN REPLY TO PART (b) OF LOK SABHA UNSTARRED  
QUESTION NO. 917 FOR ANSWER ON 20.07.2017**

<b>SOLAR GENERATION DURING THE LAST THREE YEARS AND CURRENT YEAR</b>					
( All figures in MU )					
<b>Sl. No.</b>	<b>State / Utility</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18 (Upto May '2017)</b>
1	Chandigarh	2.230	3.40	13.16	2.20
2	Delhi	3.184	4.11	5.68	2.44
3	Haryana	10.362	114.96	19.70	64.00
4	HP	0.000	0.00	0.00	-
5	J & K	0.000	0.00	0.77	-
6	Punjab	129.889	380.57	909.20	247.70
7	Rajasthan	1259.185	1766.10	2,131.61	503.88
8	Uttar Pradesh	20.128	89.75	230.95	80.36
9	Uttarakhand	11.630	5.87	37.77	7.00
10	NTPC(Dadri, Faridabad & Unchahar)	22.896	42.41	74.90	78.95
11	Oil India Ltd	9.144	9.90	25.59	4.30
12	Chhattisgarh	13.543	52.70	120.91	22.11
13	NTPC (Rajgarh)	62.939	81.00	82.21	16.30
14	Gujarat	1474.563	1497.60	1,738.28	373.05
15	Madhya Pradesh	562.292	1105.28	1,366.10	296.51
16	Maharashtra	349.320	638.76	577.83	132.72
17	Dadra & Nagar Haveli	0.033	0.50	1.31	0.90
18	Daman & Diu	0.150	4.25	14.43	3.72
19	Andhra Pradesh	159.772	282.67	1,599.78	523.40
20	Telangana	138.125	402.51	1,337.90	416.01
21	Karnataka	100.391	187.69	524.67	274.11
22	Kerala	0.000	7.38	26.52	4.99
23	NTPC (Ramagundam)	15.619	16.02	350.53	78.42
24	Tamil Nadu	158.748	507.18	1,898.34	471.60
25	Lakshadweep	5.129	1.02	1.59	0.39
26	Punducherry	0.000	0.00	0.34	0.04
27	Andaman & Nicobar	0.000	6.26	6.17	1.03
28	Bihar	0.000	6.39	109.18	24.42
29	Jharkhand	8.317	19.77	38.47	3.70
30	Orissa	44.939	150.73	210.81	43.34
31	Sikkim	0.000	0.00	0.00	0.00
32	West Bengal	7.074	6.28	14.96	3.51
33	DVC	0.000	0.00	0.01	0.01
34	NTPC (Andaman & Talcher)	18.790	18.91	20.00	3.86
35	Arunachal Pradesh	0.000	0.22	0.14	0.02
36	Assam	9.647	31.60	2.69	0.98
37	Manipur	0.000	0.00	0.01	0.01
38	Meghalaya	0.000	0.00	0.00	0.00
39	Mizoram	0.000	0.00	0.00	0.00
40	Nagaland	0.000	0.00	0.00	0.00
41	Tripura	0.000	0.00	0.00	0.00
41	NEEPCO	0.984	6.15	6.89	1.17
	<b>Total</b>	<b>4599.025</b>	<b>7447.92</b>	<b>13499.41</b>	<b>3687.13</b>

