

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 4285
TO BE ANSWERED ON 19.03.2020

GRID CONNECTED SOLAR AND WIND POWER PLANTS

4285. SHRI A. NARAYANA SWAMY

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

- (a) the details of the grid connected solar and wind power plants which have come up during the last five years, State-wise;
- (b)) whether the plants are utilizing their full capacity;
- (c) if so, the details of installed capacity of power generation and actual power generated by such plants; and
- (d) if not, the reasons therefor?

ANSWER

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and MoS for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

(SHRI R.K. SINGH)

(a) The State-wise details of the grid connected solar and wind power plants, which have come up during the last five years, are given in **Annexure-I** and **Annexure-II** respectively

(b) to (d) Since, most of the solar and wind power plants are set up with private sector investment, as such it is imperative for them to utilise their full capacity so as to have financial viability of the plants. As on 29.02.2020, cumulative solar and wind power installed capacity was 35065 MW and 37669 MW respectively. As per, Central Electricity Authority the solar and wind power projects generated 34.80 BU and 54.40 BU respectively from April 2019 to December 2019.

ANNEXURE-I

ANNEXURE-I REFERRED TO IN REPLY TO PART (A) AND (B) OF LOK SABHA UNSTARRED QUESTION NO. 4285 FOR 19.03.2020

State Wise/Year Wise Solar Capacity Installed/Added during last five years (up to 29.2020) (in MW)

S. No.	State/UT	Capacity Added during 2014-15	Capacity Added during 2015-16	Capacity Added during 2016-17	Capacity Added during 2017-18	Capacity Added during 2018-19	Capacity Added during 2019-20 (upto 29.02.2020)	Cumulative Capacity installed till 29.02.2020
1.	Andaman & Nicobar	0.00	0.00	1.46	0.00	5.17	0.46	12.19
2.	Andhra Pradesh	126.77	435.11	1294.26	328.24	890.22	473.34	3559.02
3.	Arunachal Pradesh	0.00	0.24	0.00	5.13	0.00	0.22	5.61
4.	Assam	0.00	0.00	11.78	0.67	9.95	18.83	41.23
5.	Bihar	0.00	5.10	103.42	33.93	0.00	9.12	151.57
6.	Chandigarh	2.50	2.31	10.52	7.88	9.51	2.28	36.99
7.	Chhattisgarh	0.50	85.98	35.28	102.49	0.00	0.00	231.35
8.	Dadar & Nagar	0.00	0.00	2.97	2.49	0.00	0.00	5.46
9.	Daman & Diu	0.00	4.00	6.46	0.15	3.86	2.84	17.31
10.	Delhi	0.32	20.31	25.99	17.80	57.32	38.27	165.16
11.	Goa	0.00	0.00	0.71	0.20	2.98	0.89	4.78
12.	Gujarat	83.65	128.87	130.19	328.89	852.13	446.03	2886.16
13.	Haryana	2.50	14.59	66.01	123.45	7.67	27.62	252.14
14.	Himachal Pradesh	0.00	0.20	0.53	0.00	21.95	10.25	32.93
15.	J&K	0.00	1.00	0.36	0.00	13.47	4.47	19.30
16.	Jharkhand	0.00	0.19	7.08	2.39	9.28	3.45	38.40
17.	Karnataka	46.22	69.31	882.38	3915.22	1151.43	1182.37	7277.92
18.	Kerala	0.00	13.31	61.15	33.46	30.65	3.64	142.23
19.	Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.75
20.	Madhya Pradesh	205.00	217.79	80.67	448.31	534.81	418.30	2258.45

21.	Maharashtra	82.23	34.26	66.61	777.56	394.36	827.96	2461.50
22.	Manipur	0.00	0.00	0.03	0.03	3.38	1.72	5.16
23.	Meghalaya	0.00	0.00	0.01	0.01	0.10	0.00	0.12
24.	Mizoram	0.00	0.10	0.00	0.10	0.30	1.02	1.52
25.	Nagaland	0.00	0.00	0.50	0.50	0.00	0.00	1.00
26.	Odisha	2.26	35.16	12.50	0.15	315.16	3.11	397.84
27.	Pondicherry	0.00	0.00	0.05	0.08	2.98	2.37	5.51
28.	Punjab	168.75	227.31	388.89	104.15	0.00	41.48	947.10
29.	Rajasthan	228.85	329.18	543.00	518.49	894.02	1808.29	5035.08
30.	Sikkim	0.00	0.00	0.00	0.00	0.01	0.06	0.07
31.	Tamil Nadu	54.12	922.34	630.01	213.65	666.65	1340.66	3915.88
32.	Telangana	61.25	360.80	759.13	2004.27	300.84	28.66	3620.75
33.	Tripura	5.00	0.00	0.09	0.00	0.00	4.32	9.41
34.	Uttar Pradesh	42.16	72.79	193.24	357.13	265.69	135.00	1095.10
35.	Uttarakhand	0.00	37.95	192.35	24.79	46.67	9.15	315.90
36.	West Bengal	0.00	0.69	18.37	11.06	38.63	38.51	114.46
	TOTAL	1112.08	3018.89	5526.00	9362.67	6529.19	6884.68	35065.35

ANNEXURE-II REFERRED TO IN REPLY TO PART (A) AND (B) OF LOK SABHA UNSTARRED QUESTION NO. 4285 FOR 19.03.2020

YEAR WISE WIND POWER INSTALLED CAPACITY (AS ON 29.2.2020)

STATE	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20 (as on 29.2.2020)	Cumulative Capacity till 29.02.2020
Andhra Pradesh	285.20	400.10	2187.45	348.1	123.5	2	4092.45
Gujarat	190.73	392.40	1392.00	272.8	459.65	1405.95	7479.02
Karnataka	320.10	230.90	882.30	857	86.5	95.7	4790.6
Kerala	0.00	8.40	8.00	1	0	10	62.5
Madhya Pradesh	456.30	1261.40	356.70	22.1	0	0	2519.89
Maharashtra	350.45	207.85	117.55	12.6	10.2	206.2	5000.33
Rajasthan	523.50	685.50	287.70	16	2	0	4299.72
Tamil Nadu	185.50	158.80	247.58	335.635	771.815	323.435	9292.34
Telangana	-	77.70	23.10	0	27.3	0	128.1
Others	0.00	0.00	0.00	0	0	0	4.3
Total	2311.78	3423.05	5502.38	1865.235	1480.96	2043.285	37669.25