

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-4934
ANSWERED ON-25.03.2021

CAPACITY OF POWER GENERATION IN RENEWABLE SECTORS

4934. SHRI ANNASAHEB SHANKAR JOLLE

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

- (a) the capacity of power generation in the renewable sectors across the country;
- (b) the details of the States capacity and their potential in the renewable sectors; and
- (c) the targets set by the Government to achieve the Sustainable Development Goals for India in near future along with their current status?

ANSWER

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

(SHRI R.K. SINGH)

(a)&(b) The State-wise & source-wise details of renewable energy capacity (excluding large hydro) installed in the Country as on 28-2-2021 are given in **Annexure-I**.

The state-wise and source-wise details of estimated renewable energy potential identified for various renewable energy sources in the country are given in **Annexure-II**.

(c) Sustainable Development Goals (SDG-7) includes the achievement of the following by 2030:

- ensure universal access to affordable, reliable and modern energy services;
- increase substantially the share of renewable energy in the global energy mix;
- double the global rate of improvement in energy efficiency.

By achieving universal electricity access and about 98.6 % Indian households estimated to have LPG and PNG connections, India has done exceedingly well in achieving universal energy access. Further, from March 2014, the installed RE capacity in the country has increased by over 2.6 times.

BEE has informed that its energy efficiency programmes are resulting in a total energy saving of 28.06 Million Tonnes of Oil Equivalent (MTOE) per year in the country, which is equivalent to 3.03% of the total primary energy supply of the country.

Annexure-I

Annexure referred to in reply to part (a&b) of LOK Sabha Unstarred Question No.4934 for 25/3/2021 regarding 'Grid Interactive Renewable Power Projects'

Source and State-wise details of installed of Renewable Energy capacity as on 28/2/2021

S. No.	STATES / Uts	Small Hydro Power	Wind Power	Bio Power Total	Solar Power	Total
		(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	162.11	4096.65	506.83	3996.50	8762.09
2	Arunachal Pradesh	131.105		0.00	5.61	136.72
3	Assam	34.11		2.00	42.99	79.10
4	Bihar	70.70		124.70	159.51	354.91
5	Chhatisgarh	76.00		244.90	252.48	573.38
6	Goa	0.05		0.34	7.44	7.83
7	Gujarat	78.94	8306.42	77.30	4068.30	12530.96
8	Haryana	73.50		211.86	407.83	693.19
9	Himachal Pradesh	936.11		9.20	42.73	988.04
10	Jammu & Kashmir	185.98			20.73	206.71
11	Jharkhand	4.05		4.30	48.63	56.98
12	Karnataka	1280.73	4912.60	1888.30	7346.85	15428.48
13	Kerala	230.02	62.50	2.27	257.00	551.79
14	Madhya Pradesh	99.71	2519.89	122.75	2463.22	5205.57
15	Maharashtra	379.58	5000.33	2596.99	2289.97	10266.87
16	Manipur	5.45			6.36	11.81
17	Meghalaya	32.53		13.80	0.12	46.45
18	Mizoram	36.47			1.53	38.00
19	Nagaland	30.67			1.00	31.67
20	Odisha	88.63		59.22	401.72	549.57
21	Punjab	173.55		484.20	947.10	1604.85
22	Rajasthan	23.85	4326.82	121.25	5472.58	9944.50
23	Sikkim	52.11			0.07	52.18
24	Tamil Nadu	123.05	9431.54	1019.05	4403.48	14977.12
25	Telangana	90.87	128.10	205.90	3936.36	4361.23
26	Tripura	16.01			9.41	25.42
27	Uttar Pradesh	49.10		2117.26	1667.50	3833.86
28	Uttarakhand	214.32		130.22	353.41	697.95
29	West Bengal	98.50		319.92	149.84	568.26
30	Andaman & Nicobar	5.25			29.22	34.47
31	Chandigarh				45.16	45.16
32	Dadar & Nagar Haveli				5.46	5.46
33	Daman & Diu				40.55	40.55
34	Delhi			52.00	192.97	244.97
35	Lakshwadeep				0.75	0.75
36	Pondicherry				9.33	9.33
37	Others		4.30			4.30
	Total (MW)	4783.06	38789.15	10314.56	39083.71	92970.48

Annexure referred to in reply to part (a&b) of Lok Sabha Unstarred Question No. 4934 for 25/3/2021 regarding ‘Capacity of Power Generation in Renewable Sectors’

“Source and State-wise details of estimated potential of Renewable Energy in MW”

Sl. No.	STATES / Uts	Wind Power	Wind Power	Small Hydro Power	Bio-Energy			Solar
					Biomass Power	Bagasse Cogeneration	Waste To Energy	
		(MW) @ 100m	(MW) @ 120m	(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	44229	74906	409.32	578	300	123	38440
2	Arunachal Pradesh		274	2064.92	8			8650
3	Assam		246	201.99	212		8	13760
4	Bihar		3650	526.98	619	300	73	11200
5	Chhatisgarh	77	348	1098.20	236		24	18270
6	Goa	1	8	4.70	26			880
7	Gujarat	84431	142560	201.97	1221	350	112	35770
8	Haryana		419	107.40	1333	350	24	4560
9	Himachal Pradesh		151	3460.34	142		2	33840
10	Jammu & Kashmir (including Ladakh)		3	1707.45	43			111050
11	Jharkhand		0	227.96	90		10	18180
12	Karnataka	55857	124155	3726.49	1131	450		24700
13	Kerala	1700	2311	647.15	1044		36	6110
14	Madhya Pradesh	10484	15404	820.44	1364		78	61660
15	Maharashtra	45394	98213	786.46	1887	1250	287	64320
16	Manipur		0	99.95	13		2	10630
17	Meghalaya		1	230.05	11		2	5860
18	Mizoram		0	168.90	1		2	9090
19	Nagaland		0	182.18	10			7290
20	Orissa	3093	8346	286.22	246		22	25780
21	Punjab		278	578.28	3172	300	45	2810
22	Rajasthan	18770	127756	51.67	1039		62	142310
23	Sikkim		0	266.64	2			4940
24	Tamil Nadu	33800	68750	604.46	1070	450	151	17670
25	Telangana	4244	24835	102.25				20410
26	Tripura		0	46.86	3		2	2080
27	Uttar Pradesh		101	460.75	1617	1250	176	22830
28	Uttarakhand		54	1664.31	24		5	16800
29	West Bengal	2	1050	392.06	396		148	6260
30	Andaman & Nicobar	8	1277	7.27				0
31	Chandigarh		0				6	0
32	Delhi		0				131	2050
33	Lakshwadeep	8	31					0
34	Pondicherry	153	382				3	0
35	Others						1022	790
	Total	302251	695509	21133.62	17536	5000	2554	748990