

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO-1646
ANSWERED ON-11.02.2021

SHARE OF NON-CONVENTIONAL ENERGY SOURCES IN ELECTRICITY GENERATION

+1646. SHRI GOPAL CHINNAYA SHETTY

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

- (a) the share of non-conventional energy sources in total electricity generation in the country, State-wise;
- (b) the details of total number of various types of non-conventional energy projects started in the country along with the expenditure incurred on each of them; and
- (c) the total financial assistance provided to States for the promotion of non-conventional energy sources during each of the last three years and the current year?

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 share of renewable energy (excluding large hydro) in the total electricity generation in the country is around 11% during the year 2020-21(upto Dec'2020). The state-wise details of share of renewable energy sources in the total electricity generation is given in **Annexure-I**.
- (b) The details of state-wise and source-wise installed capacity of the renewable energy projects in the country (upto Dec'2020) are given in **Annexure-II**.

Most of the grid connected renewable energy projects in the country are being implemented by private sector developers selected through transparent competitive bidding process.

- (c) The details of central financial assistance provided to the states for the promotion of renewable energy sources during the last three years and the current year (upto 4/2/2021) is as under:

(Rs in crore)

Year	Central Financial Assistance (CFA) provided
2017-18	3621.97
2018-19	4398.20
2019-20	3407.82
2020-21(upto 4/2/2021)	2337.54

Annexure-I referred to Part- (a) of Lok Sabha Unstarred Question No. 1646 for 11/02/2021 regarding “Share of Non-Conventional Energy Sources in Electricity Generation”

Statewise Share of Renewable Generation in Total Generation during current year 2020-21
(Upto Dec.2020)

Sl.	State	Conventional Generation (MU)	Renewable Generation (MU)	Total Generation (MU)	Share of Renewable Generation in Total Generation (%)
1	Chandigarh		6.57	6.57	100.00
2	Delhi	4076.18	329.9	4406.08	7.49
3	Haryana	8772.09	529.75	9301.84	5.70
4	Himachal Pradesh	33852.85	1981.56	35834.41	5.53
5	Jammu and Kashmir	14606.73	373.28	14980.01	2.49
6	Ladakh	336.81	0	336.81	0.00
7	Punjab	16435.82	2177.96	18613.78	11.70
8	Rajasthan	39055.97	12652.29	51708.26	24.47
9	Uttar Pradesh	94267.93	3388.06	97655.99	3.47
10	Uttarakhand	11829.63	1027.35	12856.98	7.99
11	Chhattisgarh	99623.5	1131.96	100755.46	1.12
12	Gujarat	78519.76	13526.6	92046.36	14.70
13	Madhya Pradesh	94804.13	6465.47	101269.6	6.38
14	Maharashtra	80968.74	9971.78	90940.52	10.97
15	Daman & Diu		26.55	26.55	100.00
16	Dadra and Nagar Haveli		3.99	3.99	100.00
17	Goa		1.06	1.06	100.00
18	Andhra Pradesh	35540.47	10626.31	46166.78	23.02
19	Telangana	34741.75	5004.51	39746.26	12.59
20	Karnataka	24896.92	21316.37	46213.29	46.13
21	Kerala	4801.56	892.87	5694.43	15.68
22	Tamil Nadu	51259.87	18238.43	69498.3	26.24
23	Puducherry	181.59	3.33	184.92	1.80
24	Lakshadweep		0.36	0.36	100.00
25	Bihar	23652.21	185.54	23837.75	0.78
26	DVC		8.2	8.2	100.00
27	Jharkhand	20293.88	12.36	20306.24	0.06
28	Odisha	46841.37	668.33	47509.7	1.41
29	West Bengal	53717.42	1113.54	54830.96	2.03
30	Sikkim	10012.57	44.12	10056.69	0.44
31	Andaman Nicobar	97.9	30.63	128.53	23.83
32	Arunachal Pradesh	3000.7	1.53	3002.23	0.05
33	Assam	4224.77	31.85	4256.62	0.75
34	Manipur	512.41	5.86	518.27	1.13
35	Meghalaya	1019.11	41.26	1060.37	3.89
36	Mizoram	124.1	30.76	154.86	19.86
37	Nagaland	177.46	57.89	235.35	24.60
38	Tripura	5264.62	9.52	5274.14	0.18
39	Bhutan (Import)	8406.8		8406.8	0.00
	Total	905917.62	111917.72	1017835.34	11.00

Annexure-II**Annexure-II referred to Part- (b) of Lok Sabha Unstarred Question No. 1646 for 11/02/2021 regarding “Share of Non-Conventional Energy Sources in Electricity Generation”**

State-wise and source-wise installed capacity of Grid Interactive Renewable Power as on 31.12.2020						
S. No	STATES / Uts	Small Hydro Power	Wind Power	Bio-Power	Solar Power	Cumulative Installed Capacity
		(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	162.11	4092.45	506.83	3844.17	8605.56
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	157.41	352.81
5	Chhatisgarh	76.00		244.90	240.00	560.90
6	Goa	0.05		0.34	4.78	5.17
7	Gujarat	78.94	8192.52	77.30	3918.48	12267.24
8	Haryana	73.50		211.86	262.42	547.78
9	Himachal Pradesh	911.51		9.20	42.73	963.44
10	Jammu & Kashmir	185.98			20.73	206.71
11	Jharkhand	4.05		4.30	39.06	47.41
12	Karnataka	1280.73	4868.80	1888.30	7328.87	15366.70
13	Kerala	222.02	62.50	2.27	146.92	433.71
14	Madhya Pradesh	99.71	2519.89	122.75	2440.15	5182.50
15	Maharashtra	379.58	5000.33	2596.99	1895.82	9872.72
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	399.60	547.45
21	Punjab	173.55		484.20	947.10	1604.85
22	Rajasthan	23.85	4326.82	121.25	5389.48	9861.40
23	Sikkim	52.11			0.07	52.18
24	Tamil Nadu	123.05	9428.44	1019.05	4315.78	14886.32
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	1292.85	3459.21
28	Uttarakhand	214.32		130.22	320.44	664.98
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				39.97	39.97
34	Delhi			52.00	176.46	228.46
35	Lakshwadeep				0.75	0.75
36	Pondicherry				7.54	7.54
37	Others		4.30			4.30
	Total (MW)	4750.46	38624.15	10314.56	37464.64	91153.81