

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 1668
ANSWERED ON 29.07.2026

RENEWABLE ENERGY CAPACITY

1668. SHRI KISHORI LAL
PROF. SOUGATA RAY

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

- (a) the total installed capacity and actual generation of electricity from new and renewable energy sources in the country during the last five years and the current year, source-wise (solar, wind, hydro, biomass, waste-to energy and green hydrogen-based power), State/UT-wise;
- (b) whether the Government has achieved the annual targets fixed for renewable energy capacity addition during the last five years and if so, the details thereof and if not, the reasons for the shortfall, year-wise;
- (c) the details of the financial assistance, subsidies and incentives provided by the Government for promotion of renewable energy projects during the last five years, scheme and State-wise; and
- (d) the steps taken by the Government to achieve the target of 500 GW of non-fossil fuel- based installed electricity capacity by the year 2030 including the promotion of offshore wind, rooftop solar, pumped storage, battery energy storage systems and green hydrogen-based power generation?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER
(SHRI SHRIPAD YESSO NAIK)

(a) & (b) India is working towards achieving 500 GW of installed electricity capacity from non-fossil sources by 2030. As on 30.06.2026, a total of 297.36 GW non-fossil fuel sources based electricity capacity has been installed in the country which includes 288.58 GW renewable energy capacity and 8.78 GW nuclear power capacity.

During the last five years and the current year (upto June, 2026), a total of 146.5 GW renewable energy (RE) capacity has been added in the country. Year-wise details are given below:

Year	RE capacity added (GW)
2021-22	14.5
2022-23	15.4
2023-24	18.6
2024-25	29.5
2025-26	54.6
2026-27 (upto June 2026)	13.9
Total	146.5

Source-wise and State/UT-wise details of total renewable energy capacity added during the last five years and the current year (upto June, 2026) are given at **Annexure-I**.

Further, as per the information received from Central Electricity Authority (CEA), source-wise and State/UT-wise details of electricity generation from renewable sources in the country during the last five years and the current year (upto May, 2026), are given at **Annexure-II**.

The Government is implementing the National Green Hydrogen Mission, with an objective to make India a global hub of production, usage and export of green hydrogen and its derivatives. The Mission aims to establish Green Hydrogen production capacity of 5 Million Metric Tonnes (MMT) per annum by 2030, with an associated renewable energy capacity of 125 GW. Hydrogen based power generation is currently not envisaged at commercial stage.

(c) State-wise details of Central Financial Assistance (CFA) released for setting up of renewable energy projects under the major ongoing schemes of the Ministry of New and Renewable Energy (MNRE) during the last five years are given at **Annexure-III**.

(d) The Government has taken several steps and initiatives to promote and accelerate renewable energy capacity in the country to realize the commitment of 500 GW non-fossil fuel sources based electricity capacity by 2030, including the promotion of offshore wind, rooftop solar, pumped storage and battery energy storage systems, as given at **Annexure-IV**.

**Annexure-I referred to in reply of parts (a)&(b) of the Lok Sabha Unstarred Question No. 1668
to be answered on 29.07.2026**

**Source-wise and State/UT-wise details of renewable energy capacity added during the last five years and
the current year (upto June, 2026)**

(In MW)							
S. No.	States/ UTs	Solar Power	Wind Power	Bio Power	Small Hydro Power	Large Hydro Power	Total
1	Andhra Pradesh	3778.42	364.93	78.98	2.40	1680.00	5904.73
2	Arunachal Pradesh	5.56	0.00	0.00	9.51	1000.00	1015.07
3	Assam	636.34	0.00	6.00	0.00	0.00	642.34
4	Bihar	272.03	0.00	19.52	0.00	0.00	291.55
5	Chhattisgarh	1581.46	0.00	44.61	32.90	0.00	1658.97
6	Goa	81.95	0.00	1.60	0.00	0.00	83.55
7	Gujarat	28750.17	7524.84	29.98	30.61	0.00	36335.60
8	Haryana	2329.92	0.00	114.13	0.00	0.00	2444.05
9	Himachal Pradesh	330.01	0.00	0.00	77.35	1651.00	2058.36
10	Jammu & Kashmir	125.78	0.00	5.00	43.59	0.00	174.37
11	Jharkhand	234.37	0.00	15.84	0.00	0.00	250.21
12	Karnataka	4151.16	3957.74	15.13	4.00	45.00	8173.03
13	Kerala	2126.80	9.02	0.00	46.50	151.65	2333.97
14	Ladakh	18.42	0.00	0.00	6.15	0.00	24.57
15	Madhya Pradesh	3787.71	1166.56	31.80	24.00	0.00	5010.07
16	Maharashtra	17988.58	1318.38	367.82	4.70	0.00	19679.48
17	Manipur	6.17	0.00	0.00	0.00	0.00	6.17
18	Meghalaya	0.43	0.00	0.00	22.50	0.00	22.93
19	Mizoram	27.42	0.00	0.00	9.00	0.00	36.42
20	Nagaland	0.77	0.00	0.00	4.40	0.00	5.17
21	Odisha	695.44	0.00	5.00	52.00	12.30	764.74
22	Punjab	620.89	0.00	90.94	2.55	0.00	714.38
23	Rajasthan	37392.21	1189.22	97.34	0.00	1.50	38680.27
24	Sikkim	5.62	0.00	0.00	3.00	113.00	121.62
25	Tamil Nadu	9593.99	2665.65	15.21	0.00	25.00	12299.85
26	Telangana	1203.56	0.00	31.63	0.00	0.00	1235.19
27	Tripura	29.06	0.00	0.00	0.00	0.00	29.06
28	Uttar Pradesh	3952.55	0.00	153.79	1.50	0.00	4107.84
29	Uttarakhand	511.01	0.00	22.05	19.50	1180.00	1732.56
30	West Bengal	200.85	0.00	30.77	0.00	0.00	231.62
31	A&N Islands	3.36	0.00	0.00	0.00	0.00	3.36
32	Chandigarh	32.88	0.00	0.00	0.00	0.00	32.88
33	Dadra & Nagar Haveli and Daman & Diu	97.39	0.00	3.75	0.00	0.00	101.14
34	Delhi	261.47	0.00	33.17	0.00	0.00	294.64
35	Lakshadweep	6.00	0.00	0.00	0.00	0.00	6.00
36	Puducherry	76.20	0.00	0.00	0.00	0.00	76.20
	Total (MW)	120915.95	18196.34	1214.06	396.16	5859.45	146581.96

Annexure-II referred to in reply of parts (a)&(b) of the Lok Sabha Unstarred Question No. 1668 to be answered on 29.07.2026

Source-wise and State/UT-wise details of electricity generation from renewable sources during the last five years and the current year (upto May, 2026)

FY 2021-22

(in Million Units)

State/UT	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Large Hydro	Total
A&N Islands	0.00	21.51	0.00	0.00	13.26	0.00	0.00	34.77
Andhra Pradesh	7134.58	7832.51	104.85	72.70	384.08	133.88	3113.83	18776.44
Arunachal Pradesh	0.00	1.72	0.00	0.00	0.41	0.00	4161.28	4163.41
Assam	0.00	81.64	0.00	0.00	40.46	0.00	676.24	798.34
Bihar	0.00	163.08	2.14	65.84	8.77	0.00	0.00	239.83
Chandigarh	0.00	14.19	0.00	0.00	0.00	0.00	0.00	14.19
Chhattisgarh	0.00	436.56	1307.27	8.70	185.67	0.00	404.13	2342.34
Dadra and Nagar Haveli	0.00	49.16	0.00	0.00	0.00	0.00	0.00	49.16
Daman & Diu	0.00	35.35	12.32	0.00	0.00	0.00	0.00	47.67
Delhi	0.00	225.84	0.00	0.00	0.00	232.89	0.00	458.73
Goa	0.00	15.93	0.00	0.00	0.00	0.89	0.00	16.82
Gujarat	17854.77	6774.50	0.00	18.16	192.10	0.00	2621.51	27461.04
Haryana	0.00	572.85	171.60	96.75	270.13	24.09	0.00	1135.42
Himachal Pradesh	0.00	44.29	0.00	0.00	1999.47	0.00	36459.64	38503.40
Jammu & Kashmir	0.00	1.71	0.00	0.00	414.10	0.00	17074.02	17489.83
Jharkhand	0.00	18.21	0.00	0.00	10.49	0.00	547.96	576.67
Karnataka	9491.62	13169.43	174.08	3338.24	2460.91	0.00	13936.46	42570.74
Kerala	136.41	496.93	0.00	48.92	932.37	0.00	9317.44	10932.06
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	405.98	405.98
Lakshadweep	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.30
Madhya Pradesh	4346.66	4006.70	25.35	82.20	221.43	34.40	4686.72	13403.45
Maharashtra	7085.98	3187.18	316.79	4468.31	787.16	0.22	6007.38	21853.02
Manipur	0.00	6.72	0.00	0.00	0.00	0.00	455.48	462.20
Meghalaya	0.00	0.47	0.00	0.00	44.21	0.00	841.82	886.50
Mizoram	0.00	1.68	0.00	0.00	26.41	0.00	137.44	165.53
Nagaland	0.00	0.00	0.00	0.00	63.47	0.00	100.55	164.02
Orissa	0.00	603.71	100.08	0.00	377.32	0.00	5230.63	6311.73
Puducherry	0.00	12.24	0.00	0.00	0.00	0.00	0.00	12.24
Punjab	0.00	1473.41	576.83	208.30	983.37	0.24	3709.73	6951.88
Rajasthan	6493.19	17219.88	378.40	0.00	7.85	0.00	481.84	24581.15
Sikkim	0.00	0.00	0.00	0.00	12.35	0.00	11493.90	11506.25
Tamil Nadu	15821.18	7172.88	116.66	657.40	293.17	0.00	5212.07	29273.35
Telangana	275.69	6536.94	111.13	103.95	91.00	227.20	5626.63	12972.52
Tripura	0.00	6.18	0.00	0.00	1.44	0.00	0.00	7.62
Uttar Pradesh	0.00	2900.41	85.20	3160.39	162.54	20.40	1402.68	7731.62
Uttarakhand	0.00	301.60	0.00	244.02	326.70	0.00	14332.13	15204.45
West Bengal	0.00	98.24	0.00	0.00	152.90	1593.96	3189.84	5034.93
Total	68640.07	73483.94	3482.70	12573.88	10463.55	2268.17	151627.33	322539.63

FY 2022-23

(in Million Units)

State/UT	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Large Hydro	Total
A&N Islands	0.00	23.94	0.00	0.00	13.94	0.00	0.00	37.88
Andhra Pradesh	7426.46	8140.72	54.86	99.93	410.90	279.04	3747.58	20159.49
Arunachal Pradesh	0.00	22.27	0.00	0.00	2.55	0.03	4820.94	4845.79
Assam	0.00	216.35	0.00	0.00	62.66	0.00	481.60	760.61

Bihar	0.00	169.53	0.00	106.68	12.63	0.00	0.00	288.85
Chandigarh	0.00	12.61	0.00	0.00	0.00	0.00	0.00	12.61
Chhattisgarh	0.00	635.42	1194.60	17.10	155.92	0.00	237.37	2240.42
DNH&DD	0.00	27.40	3.22	0.00	0.00	0.00	0.00	30.62
Delhi	0.00	236.11	0.00	0.00	0.00	294.09	0.00	530.20
Goa	0.00	14.87	0.00	0.00	0.00	5.09	0.00	19.96
Gujarat	19206.22	10335.32	0.00	5.76	213.10	2.24	6133.14	35895.77
Haryana	0.00	555.20	356.07	203.01	241.90	63.55	0.00	1419.73
Himachal Pradesh	0.00	58.76	0.00	0.00	2854.07	0.00	38666.98	41579.81
Jammu & Kashmir	0.00	0.00	0.00	0.00	393.20	0.00	16777.42	17170.62
Jharkhand	0.00	19.70	0.00	0.00	2.40	0.00	305.47	327.57
Karnataka	9967.89	14153.79	106.90	3037.31	2308.59	0.00	13157.34	42731.82
Kerala	179.32	879.75	0.00	62.85	824.34	0.00	7989.00	9935.26
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	402.78	402.78
Lakshadweep	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.10
Madhya Pradesh	4486.72	3839.30	38.76	113.05	357.97	36.93	7309.07	16181.79
Maharashtra	7243.06	4387.85	236.48	4572.03	766.73	0.44	5894.29	23100.88
Manipur	0.00	8.17	0.00	0.00	0.00	0.63	477.98	486.77
Meghalaya	0.00	0.00	0.00	0.00	72.16	0.00	980.25	1052.41
Mizoram	0.00	3.21	0.00	0.00	59.06	0.00	204.13	266.40
Nagaland	0.00	0.00	0.00	0.00	111.95	0.00	177.37	289.32
Odisha	0.00	706.24	60.95	0.00	424.92	0.00	5462.81	6654.91
Puducherry	0.00	12.24	0.00	0.00	0.00	0.00	0.00	12.24
Punjab	0.00	2778.66	497.68	210.76	682.48	0.00	4399.65	8569.23
Rajasthan	6111.41	34474.43	397.05	0.00	7.17	0.00	967.43	41957.48
Sikkim	0.00	0.00	0.00	0.00	12.35	0.00	11696.79	11709.14
Tamil Nadu	16913.85	9419.39	126.93	869.56	296.71	0.00	5965.77	33592.22
Telangana	279.23	6745.46	21.48	132.94	91.71	159.08	6010.07	13439.96
Tripura	0.00	6.58	0.00	0.00	0.00	0.00	0.00	6.58
Uttar Pradesh	0.00	3674.02	66.35	3183.67	234.69	58.45	974.04	8191.22
Uttarakhand	0.00	331.80	0.00	248.52	352.07	0.00	15435.77	16368.16
West Bengal	0.00	125.04	0.00	0.00	204.44	1629.64	3423.73	5382.85
Total	71814.16	102014.24	3161.32	12863.16	11170.61	2529.18	162098.77	365651.45

FY 2023-24

(in Million Units)

State/UT	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Large Hydro	Total
A&N Islands	0.00	27.50	0.00	0.00	12.00	0.00	0.00	39.50
Andhra Pradesh	8644.00	8300.03	18.75	66.63	127.10	307.97	1373.19	18837.67
Arunachal Pradesh	0.00	1.89	0.00	0.00	0.66	0.00	4278.18	4280.73
Assam	0.00	316.31	0.00	0.00	64.20	0.75	614.70	995.96
Bihar	0.00	195.19	0.00	140.98	5.92	0.00	0.00	342.08
Chandigarh	0.00	11.70	0.00	0.00	0.00	0.00	0.00	11.70
Chhattisgarh	0.00	943.75	1368.61	19.54	145.54	0.00	321.76	2799.20
DNH&DD	0.00	15.74	13.12	0.00	0.00	0.00	0.00	28.86
Delhi	0.00	206.53	0.00	0.00	0.00	522.28	0.00	728.81
Goa	0.00	59.99	0.00	0.00	0.00	7.96	0.00	67.95
Gujarat	24794.50	13468.91	0.00	2.13	217.68	0.00	4556.33	43039.55
Haryana	0.00	992.91	294.12	83.60	222.05	58.82	0.00	1651.50
Himachal Pradesh	0.00	59.54	0.00	0.00	2526.98	0.00	36365.85	38952.37
Jammu & Kashmir	0.00	0.00	0.00	0.00	408.69	0.00	15874.24	16282.93
Jharkhand	0.00	17.64	0.00	0.00	5.52	0.00	196.80	219.96
Karnataka	10950.20	15404.09	47.45	2754.06	1370.76	0.00	8973.17	39499.72
Kerala	214.53	1195.28	0.00	78.08	716.31	0.04	5155.72	7359.96
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	388.48	388.48
Lakshadweep	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.09
Madhya Pradesh	4949.78	4025.19	84.62	97.01	469.60	28.83	6444.78	16099.80
Maharashtra	8228.97	5814.13	304.61	3495.82	888.48	33.40	5264.49	24029.90
Manipur	0.00	7.73	0.00	0.00	0.00	1.23	298.18	307.14
Meghalaya	0.00	0.00	0.00	0.00	66.55	0.00	808.58	875.13

Mizoram	0.00	3.19	0.00	0.00	95.93	0.00	118.63	217.74
Nagaland	0.00	0.00	0.00	0.00	81.14	0.00	165.47	246.61
Odisha	0.00	757.69	96.07	0.00	407.97	0.00	6162.20	7423.92
Puducherry	0.00	12.24	0.00	0.00	0.00	0.00	0.00	12.24
Punjab	0.00	2673.99	613.44	197.99	636.97	0.00	4676.42	8798.82
Rajasthan	8390.67	38363.28	387.55	0.00	7.45	0.00	1013.97	48162.93
Sikkim	0.00	0.00	0.00	0.00	12.35	0.00	8609.86	8622.21
Tamil Nadu	16908.08	11737.48	129.14	622.61	206.00	0.00	3563.28	33166.59
Telangana	304.63	6884.68	10.57	95.08	58.87	155.29	1243.29	8752.39
Tripura	0.00	7.01	0.00	0.00	0.00	0.00	0.00	7.01
Uttar Pradesh	0.00	3971.31	46.65	2923.55	175.24	84.85	850.64	8052.23
Uttarakhand	0.00	331.80	0.00	248.52	350.62	0.00	13919.23	14850.17
West Bengal	0.00	168.32	2.49	0.00	204.46	1545.13	2816.49	4736.88
Total	83385.35	115975.11	3417.19	10825.59	9485.04	2746.55	134053.93	359888.76

FY 2024-25

(in Million Units)

State/UT	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Large Hydro	Total
A&N Islands	0.00	24.59	0.00	0.00	14.40	0.00	0.00	39.00
Andhra Pradesh	7235.04	7993.48	19.61	52.34	294.36	307.40	3303.07	19205.30
Arunachal Pradesh	0.00	1.30	0.00	0.00	0.58	0.00	4205.16	4207.04
Assam	0.00	305.52	0.00	0.00	208.55	0.30	998.75	1513.11
Bihar	0.00	325.86	0.00	104.70	14.54	0.00	0.00	445.10
Chandigarh	0.00	8.79	0.00	0.00	0.00	0.00	0.00	8.79
Chhattisgarh	0.00	1523.27	1543.26	20.05	139.34	0.00	419.42	3645.35
DNH&DD	0.00	15.87	12.76	0.00	0.00	0.00	0.00	28.63
Delhi	0.00	206.53	0.00	0.00	0.00	542.41	0.00	748.95
Goa	0.00	57.11	0.00	0.00	0.00	8.14	0.00	65.24
Gujarat	25440.90	20219.48	107.62	0.00	205.98	0.00	6028.52	52002.50
Haryana	0.00	1470.02	359.23	44.60	314.64	49.13	0.00	2237.62
Himachal Pradesh	0.00	107.24	0.00	0.00	3040.90	0.00	39386.29	42534.43
Jammu & Kashmir	0.00	0.00	0.00	0.00	395.17	0.00	15200.65	15595.82
Jharkhand	0.00	17.64	0.00	0.00	6.25	0.00	269.12	293.01
Karnataka	13620.33	15699.63	32.15	2474.25	2259.49	0.00	14056.00	48141.85
Kerala	119.85	1711.83	0.00	20.53	814.29	56.64	6733.99	9457.13
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	413.06	413.06
Lakshadweep	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.09
Madhya Pradesh	4712.84	7123.73	61.95	121.55	482.19	65.06	7606.73	20174.05
Maharashtra	7659.71	7725.20	259.41	3001.04	855.48	90.35	5635.24	25226.43
Manipur	0.00	8.68	0.00	0.00	0.00	0.00	706.37	715.05
Meghalaya	0.00	0.00	0.00	0.00	116.65	0.00	905.58	1022.23
Mizoram	0.00	25.38	0.00	0.00	52.11	0.00	240.30	317.79
Nagaland	0.00	0.00	0.00	0.00	98.62	0.00	215.02	313.64
Odisha	0.00	786.75	53.80	0.00	457.20	0.00	6285.36	7583.11
Puducherry	0.00	12.24	0.00	0.00	0.00	0.00	0.00	12.24
Punjab	0.00	1372.73	692.06	348.11	734.01	0.00	4126.11	7273.02
Rajasthan	6941.26	49101.62	400.85	0.00	4.15	0.00	905.80	57353.68
Sikkim	0.00	0.00	0.00	0.00	12.35	0.00	2012.67	2025.02
Tamil Nadu	17326.66	15739.30	106.90	377.99	256.60	0.00	4602.73	38410.18
Telangana	290.60	6941.75	12.61	64.28	74.48	257.96	5270.78	12912.48
Tripura	0.00	5.97	0.00	0.00	0.00	0.00	0.00	5.97
Uttar Pradesh	0.00	4966.06	76.48	2457.35	179.00	29.88	1273.74	8982.50
Uttarakhand	0.00	331.80	0.00	248.52	353.40	0.00	15183.82	16117.54
West Bengal	0.00	320.75	0.00	0.00	183.30	1462.46	2649.70	4616.21
Total	83347.19	144150.23	3738.67	9335.32	11568.04	2869.73	148633.98	403643.17

FY 2025-26

(in Million Units)

State/UT	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Large Hydro	Total RE
A&N Islands	0.00	16.92	0.00	0.00	13.72	0.00	0.00	30.65
Andhra Pradesh	8902.94	8773.06	14.73	46.30	438.46	425.10	6190.06	24790.64
Arunachal Pradesh	0.00	2.37	0.00	0.00	0.34	0.00	4854.46	4857.16
Assam	0.00	330.12	0.00	0.00	139.39	0.59	1424.54	1894.63
Bihar	0.00	327.71	0.00	81.50	23.44	0.00	0.00	432.65
Chandigarh	0.00	7.94	0.00	0.00	0.00	0.00	0.00	7.94
Chhattisgarh	0.00	1913.17	1462.22	7.69	244.97	0.00	351.61	3979.66
DNH&DD	0.00	20.18	12.64	0.00	0.00	0.00	0.00	32.82
Delhi	0.00	206.53	0.00	0.00	0.00	493.58	0.00	700.11
Goa	0.00	57.11	0.00	0.00	0.00	8.14	0.00	65.24
Gujarat	33706.20	27379.65	175.56	0.00	196.59	0.00	6372.91	67830.91
Haryana	0.00	1612.32	413.12	62.92	239.74	52.35	0.00	2380.45
Himachal Pradesh	0.00	201.53	0.00	0.00	2693.75	0.00	42827.62	45722.90
Jammu & Kashmir	0.00	0.00	0.00	0.00	413.60	0.00	15663.32	16076.92
Jharkhand	0.00	17.64	0.00	0.00	19.29	0.00	145.61	182.54
Karnataka	18804.62	17923.81	45.85	3357.17	2800.48	11.08	15601.21	58544.22
Kerala	130.33	2420.50	0.00	0.00	952.97	97.37	9187.59	12788.75
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	465.24	465.24
Lakshadweep	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.09
Madhya Pradesh	4706.66	8076.98	71.23	64.85	514.87	59.49	8088.74	21582.82
Maharashtra	8610.62	10552.84	255.98	3207.22	934.52	60.88	5483.02	29105.08
Manipur	0.00	8.60	0.00	0.00	0.00	0.00	576.01	584.61
Meghalaya	0.00	0.00	0.00	0.00	159.90	0.00	879.22	1039.12
Mizoram	0.00	29.31	0.00	0.00	25.51	0.00	263.98	318.80
Nagaland	0.00	0.00	0.00	0.00	97.90	0.00	228.33	326.23
Odisha	0.00	909.33	86.53	0.00	620.05	0.00	7253.62	8869.52
Puducherry	0.00	12.24	0.00	0.00	0.00	0.00	0.00	12.24
Punjab	0.00	1361.90	690.11	239.58	447.23	0.00	4291.63	7030.45
Rajasthan	7345.17	59921.18	777.10	0.00	6.52	0.00	1070.61	69120.57
Sikkim	0.00	0.00	0.00	0.00	12.35	0.00	2602.18	2614.53
Tamil Nadu	24200.81	19690.99	8.97	185.04	307.56	0.00	5589.67	49983.04
Telangana	292.46	6920.53	23.13	74.96	85.62	325.67	6874.54	14596.91
Tripura	0.00	8.97	0.00	0.00	0.00	0.00	0.00	8.97
Uttar Pradesh	0.00	5302.73	106.55	2362.59	87.55	36.63	1775.64	9671.69
Uttarakhand	0.00	331.80	0.00	248.52	353.40	0.00	16533.16	17466.88
West Bengal	0.00	418.49	0.00	0.00	184.40	1461.93	2609.26	4674.08
Total	106699.80	174756.51	4143.71	9938.34	12014.12	3032.80	167203.78	477789.07

FY 2026-27 (Upto May, 2026)

(in Million Units)

State/UT	Wind	Solar	Biomass	Bagasse	Small Hydro	Others	Large Hydro	Total
A&N Islands	0.00	3.10	0.00	0.00	1.20	0.00	0.00	4.30
Andhra Pradesh	1063.13	2213.23	3.31	1.35	17.32	66.17	901.55	4266.05
Arunachal Pradesh	0.00	0.14	0.00	0.00	0.01	0.00	1560.04	1560.19
Assam	0.00	65.30	0.00	0.00	22.85	0.14	138.98	227.27
Bihar	0.00	65.99	0.00	11.36	0.03	0.00	0.00	77.38
Chandigarh	0.00	1.34	0.00	0.00	0.00	0.00	0.00	1.34
Chhattisgarh	0.00	469.37	239.40	0.00	10.08	0.00	34.08	752.92
DNH&DD	0.00	3.38	2.10	0.00	0.00	0.00	0.00	5.48
Delhi	0.00	34.42	0.00	0.00	0.00	94.18	0.00	128.60
Goa	0.00	9.52	0.00	0.00	0.00	1.36	0.00	10.87
Gujarat	7238.49	9769.00	18.97	0.00	30.04	0.00	676.42	17732.92
Haryana	0.00	328.62	89.64	0.24	53.18	5.66	0.00	477.34
Himachal Pradesh	0.00	49.10	0.00	0.00	352.14	0.00	5349.59	5750.83
Jammu & Kashmir	0.00	0.00	0.00	0.00	82.12	0.00	3465.26	3547.38
Jharkhand	0.00	2.94	0.00	0.00	0.00	0.00	71.90	74.84

Karnataka	2916.50	4177.41	5.35	302.72	109.39	9.86	2202.13	9723.36
Kerala	18.76	624.68	0.00	0.00	86.66	17.16	1180.73	1927.99
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	47.98	47.98
Lakshadweep	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02
Madhya Pradesh	1221.38	1766.93	10.15	16.99	62.08	6.47	936.52	4020.53
Maharashtra	1614.10	2434.98	40.88	110.27	146.85	16.01	1530.32	5893.41
Manipur	0.00	1.43	0.00	0.00	0.00	0.00	52.79	54.22
Meghalaya	0.00	0.00	0.00	0.00	29.85	0.00	119.87	149.72
Mizoram	0.00	6.67	0.00	0.00	2.87	0.00	8.72	18.26
Nagaland	0.00	0.00	0.00	0.00	5.82	0.00	15.83	21.65
Odisha	0.00	191.94	17.03	0.00	59.56	0.00	1157.04	1425.57
Puducherry	0.00	2.04	0.00	0.00	0.00	0.00	0.00	2.04
Punjab	0.00	278.55	114.19	22.68	34.17	0.00	523.24	972.84
Rajasthan	1728.44	12968.79	173.37	0.00	0.00	0.00	9.73	14880.32
Sikkim	0.00	0.00	0.00	0.00	2.06	0.00	432.50	434.56
Tamil Nadu	2461.20	4203.53	0.00	32.10	4.71	0.00	387.66	7089.20
Telangana	44.83	1465.22	6.79	8.37	3.87	99.88	154.60	1783.57
Tripura	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.91
Uttar Pradesh	0.00	1197.45	18.51	112.60	14.47	3.37	171.48	1517.87
Uttarakhand	0.00	55.30	0.00	41.42	58.90	0.00	1949.67	2105.29
West Bengal	0.00	92.31	0.00	0.00	19.18	223.21	437.96	772.65
Total	18306.83	42483.60	739.68	660.10	1209.41	543.46	23516.59	87459.67

Source: Central Electricity Authority (CEA)

Annexure-III

Annexure-III referred to in reply of part (c) of the Lok Sabha Unstarred Question No. 1668 to be answered on 29.07.2026

State-wise funds release details under major ongoing Schemes/ Programmes of MNRE during 2025-26

(Amount in Rs. Crore)										
States/ UTs	CPSU	Solar Parks	Rooftop Solar	PM KUSUM	PM JANMAN	Biomass	Biogas	Waste to Energy	GEC	PMDP Ladakh
A&N Islands			1.42							
Andhra Pradesh		21.60	755.92		6.22	3.30			5.74	
Arunachal Pradesh			0.01	1.13	20.00					
Assam			711.05	4.21						
Bihar	1.05		119.32							
Chandigarh			5.48							
Chhattisgarh		3.00	252.13		5.21		0.22			
DNH&DD			3.36				0.04			
Delhi	0.61		61.24				0.04			
Goa			11.00	0.43						
Gujarat		175.03	3080.37	554.33		0.36	7.78	12.04		
Haryana			360.09	332.06		2.40	0.49	23.76		
Himachal Pradesh			51.88	5.70					6.94	
Jammu & Kashmir			197.30	5.52						
Jharkhand		7.30	29.39	52.13	3.20					
Karnataka			99.59	164.28	0.27		1.08		17.47	
Kerala		3.86	1220.03	4.85	0.34				49.28	
Ladakh			9.66	1.53						33.37
Lakshadweep			5.64							
Madhya Pradesh	20.63	50.40	597.84	144.82	4.79	11.91	2.41	1.70		
Maharashtra			3229.72	2979.31		1.17	22.36	22.66		
Manipur			5.93	0.78	0.50					
Meghalaya			0.16							
Mizoram			6.48	1.73						
Nagaland			1.31	0.66						
Odisha		3.00	288.24	7.64			1.03			
Puducherry			22.17							
Punjab			51.89	37.49		10.23	2.17	34.87		
Rajasthan	221.59	98.5	1043.53	404.01		1.08		0.02	94.24	
Sikkim			0.18							
Tamil Nadu			283.37	10.46		1.30	2.26	4.08		
Telangana	7.48		203.67		0.19	1.52	1.26			
Tripura			19.14	7.48	2.55		1.20			
Uttar Pradesh		2.85	2451.51	131.99		7.40	0.25	32.41	605.13	
Uttarakhand			429.49	17.56		1.00	0.40	0.45		
West Bengal		*	4.11				0.04	0.51		
Jharkhand & West Bengal		*55.00								
Total	251.36	420.51	15613.62	4870.08	43.27	41.67	43.03	132.50	778.80	33.37

* Released for the project situated on the border of Jharkhand and West Bengal

State-wise funds release details under major ongoing Schemes/ Programmes of MNRE during 2024-25

(Amount in Rs. Crore)									
States/ UTs	Solar Parks	CPSU	Rooftop Solar	PM KUSUM	PM JANMAN	Biomass	Biogas	Waste to Energy	GEC
A&N Islands			0.09						
Andhra Pradesh	83.90		111.42		0.37	1.84		0.72	0.25
Arunachal Pradesh				1.91			0.31		
Assam			64.33						
Bihar		0.70	53.76						
Chandigarh			6.28						
Chhattisgarh	2.80		8.80				0.72		
DNH&DD			0.67						
Delhi		0.41	10.75						
Goa			14.47					0.03	
Gujarat		342.20	3251.13	59.95				3.06	17.77
Haryana			207.42	303.40		2.04	0.11	7.43	
Himachal Pradesh			18.41	1.73					
Jammu & Kashmir			59.85	12.90					
Jharkhand			19.37	48.73	6.43				
Karnataka			81.01	0.89	0.63	4.00	0.95	8.30	24.65
Kerala	7.40		801.27	1.72			0.04		
Ladakh			2.67						
Lakshadweep			1.97						
Madhya Pradesh	73.9		266.92				3.83	10.20	
Maharashtra			1248.62	1619.00			27.77	10.20	
Manipur			2.56	0.17					
Meghalaya			0.08						
Mizoram	2.24		1.46	0.84					
Nagaland			0.16						
Odisha			25.30				0.26		
Puducherry			5.11						
Punjab			81.18	13.09		7.60	2.21		
Rajasthan	48.5	211.30	321.04	295.20				1.69	
Sikkim			0.02						
Tamil Nadu		1.76	172.64	6.48			4.95	15.18	10.47
Telangana		1.30	89.52		0.44		0.85	5.37	
Tripura			1.14	9.31	5.96		0.91		
Uttar Pradesh	155.1		684.83	173.01		0.51	0.58	23.79	292.93
Uttarakhand			163.26	15.60			1.29	0.20	
West Bengal			0.10				0.01		
Total	373.84	557.67	7777.61	2563.93	13.83	15.99	44.79	86.17	346.07

State-wise funds release details under major ongoing Schemes/ Programmes of MNRE during 2023-24

(Amount in Rs. Crore)								
States/ UTs	Solar Parks	CPSU	Rooftop Solar	PM KUSUM	Biomass	Biogas	Waste to Energy	GEC
A&N Islands			0.01					
Andhra Pradesh		22.45	4.5				2.74	47.54
Arunachal Pradesh				2.12		0.39		
Assam			2.11			1.26		
Bihar			9.8					
Chandigarh			3.34					
Chhattisgarh	14.3		1.43			0.95		

Dadra & Nagar Haveli and Daman & Diu						0.11		
Delhi			6.12			0.23		
Goa			0.3				3.00	
Gujarat	505.13	145.91	644.91	28.72		8.14		23.85
Haryana			24.64	429.78				
Himachal Pradesh			2.4					40.50
Jammu & Kashmir								
Jharkhand				2.36				
Karnataka		112.35	11.68	2.38		6.77	6.61	147.12
Kerala			199.89	28.53				
Ladakh								
Lakshadweep								
Madhya Pradesh	59.26		31.39	0.80		6.97	0.84	22.26
Maharashtra			314.75	326.22	0.07	13.02	0.56	
Manipur			0.9	0.17		0.22		
Meghalaya				0.31		0.22		
Mizoram								
Nagaland				0.18		0.18		
Odisha			3.08	3.44		0.32		
Puducherry			0.39					
Punjab			23.83	5.41		2.34		
Rajasthan	97.51	692.07	104.08	49.41	1.97	0.35		53.73
Sikkim								
Tamil Nadu		80.97	13.94	2.59		0.47	2.36	
Telangana		27.39	23.24			0.29		
Tripura			0.04	17.81		0.70		
Uttar Pradesh	39.30		61.06	92.13		1.84	4.71	
Uttarakhand			10.77			0.77		
West Bengal					2.14			
Total	715.50	1081.14	1498.60	992.36	4.18	45.54	20.82	334.99

State-wise funds release details under major ongoing Schemes/ Programmes of MNRE during 2022-23

(Amount in Rs. Crore)								
States/ UTs	Solar Parks	CPSU	Rooftop Solar	PM KUSUM	Biomass	Biogas	Waste to Energy	GEC
A&N Islands								
Andhra Pradesh			5.6				50.47	
Arunachal Pradesh				0.82				
Assam			4.9			0.11		
Bihar		1.75						
Chandigarh			2					
Chhattisgarh			3.3			3.70		
Dadra & Nagar Haveli and Daman & Diu		1.50						
Delhi			10.85					
Goa								
Gujarat	522.17		1040.21	7.83			1.38	27.97
Haryana			14.72	137.95			3.53	
Himachal Pradesh			11.7	5.85				4.02
Jammu & Kashmir			1.2	15.69				
Jharkhand			3	20.04				
Karnataka			9.93			0.12		17.50
Kerala	2.52		104.45					
Ladakh								
Lakshadweep								
Madhya Pradesh	109.36	32.25	35.47			0.29		96.77
Maharashtra	12		58.95	247.60	1.75	3.04		5.08
Manipur				0.23				
Meghalaya								

Mizoram	1.28		0.8					
Nagaland				0.20				
Odisha			0.6		0.40	0.47		
Puducherry			0.01					
Punjab			46.2	31.11	1.73	2.11		
Rajasthan			96.31	247.63		0.10		10.85
Sikkim								
Tamil Nadu			20.54		1.03	0.34		87.81
Telangana			43.9				0.33	
Tripura				0.12				
Uttar Pradesh	28.78		5.92	82.30			1.82	
Uttarakhand			1.84	4.00				
West Bengal			10.2				0.07	
Total	676.11	35.50	1532.60	801.37	4.91	10.28	57.60	250.00

State-wise funds release details under major ongoing Schemes/ Programmes of MNRE during 2021-22

(Amount in Rs. Crore)								
States/ UTs	Solar Parks	CPSU	Rooftop Solar	PM-KUSUM	Waste to Energy	GEC	Biomass	Biogas
A & N Islands								
Andhra Pradesh			2.1		50.55		0.99	0.88
Arunachal Pradesh								
Assam			0.4					0.31
Bihar							1.75	0.15
Chandigarh								
Chhattisgarh			1.2					1.97
Dadra & Nagar Haveli and Daman & Diu								
Delhi			26.2					
Goa			3.6					
Gujarat	28.00		1214.7		13.96			1.29
Haryana			7.7	161.12	5.05		1.05	
Himachal Pradesh			13.8					
Jammu & Kashmir			20.2					
Jharkhand			6.6					
Karnataka	40.00				0.93		2.70	0.34
Kerala			36.3				0.79	0.45
Ladakh								
Lakshadweep								
Madhya Pradesh	50.84					73.16	1.27	1.66
Maharashtra			63.1	9.60	2.47		0.75	0.18
Manipur			4.7					
Meghalaya								
Mizoram	0.48							
Nagaland								
Odisha							0.13	
Puducherry								
Punjab			16.6	23.70				
Rajasthan	87.16		10.4	153.49		2.25		
Sikkim								
Tamil Nadu				20.30		59.26	0.02	
Telangana		27.37	16.1		2.02		1.20	
Tripura				7.36				
Uttar Pradesh	0.85		5.9	13.73	0.04		3.83	
Uttarakhand			10.6					
West Bengal					0.02			
Total	207.33	27.37	1460.20	389.30	75.04	134.67	14.48	7.23

Annexure-IV referred to in reply of part (d) of the Lok Sabha Unstarred Question No. 1668 to be answered on 29.07.2026

The Government of India has taken several steps and initiatives to promote and accelerate renewable energy capacity in the country to realize the commitment of 500 GW non-fossil fuel sources based electricity capacity by 2030, including the promotion of offshore wind, rooftop solar, pumped storage and battery energy storage systems. These include, inter-alia, the following:

- Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar, Wind, Wind-Solar Hybrid and Firm & Dispatchable Renewable Energy (FDRE) projects have been issued.
- Pilot scheme for Contract for Difference (CfD) for renewable energy projects of 500 MW capacity issued. The CfD mechanism, a globally proven framework, will provide an alternative instrument (in addition to long term Power Purchase Agreements) for sale of renewable energy, through power exchanges.
- To boost RE consumption, Renewable Purchase Obligation (RPO) followed by Renewable Consumption Obligation (RCO) trajectory has been notified till 2029-30. The RCO which is applicable to all designated consumers under the Energy Conservation Act 2001 will attract penalties on non-compliance. RCO also includes specified quantum of consumption from Decentralized Renewable Energy sources.
- Foreign Direct Investment (FDI) has been permitted up to 100 percent under the automatic route.
- Schemes such as Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), PM Surya Ghar Muft Bijli Yojana, National Programme on High Efficiency Solar PV Modules, New Solar Power Scheme (for Tribal and PVTG Habitations/Villages) under Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN) and Dharti Aabha Janjatiya Gram Utkarsh Abhiyan (DA JGUA), National Green Hydrogen Mission, Viability Gap Funding (VGF) Scheme for Offshore Wind Energy Projects, Small hydro power development scheme have been launched.
- Scheme for setting up of Solar Parks and Ultra Mega Solar Power projects is being implemented to provide land and transmission to RE developers for installation of RE projects at large scale.
- Waiver on Inter State Transmission System (ISTS) charges for renewable energy projects including green hydrogen projects, with certain timelines and conditions.
- Laying of new transmission lines and creating new sub-station capacity has been funded under the Green Energy Corridor Scheme for evacuation of renewable power.
- Quality Control Orders for Solar Photovoltaic products (i.e., Solar PV Modules, Solar PV Inverters & Storage Battery) and Solar Water Heating systems notified.

- Issued Guidelines for Resource Adequacy Planning Framework for India.
- Electricity (Rights of Consumers) Rules, 2020 has been issued for net-metering up to five hundred Kilowatt or up to the electrical sanctioned load, whichever is lower.
- “National Repowering and Life Extension Policy for Wind Power Projects, 2023” has been issued.
- The Revised Guidelines for installation of prototype wind turbine models issued on 12th June 2025.
- Procedure for inclusion/updating Wind Turbine Model in the Revised List of Models and Manufacturers of Wind Turbines (RLMM) issued on 31st July 2025. The amendment renames RLMM as Approved List of Models and Manufacturers [ALMM (Wind)] and mandates usage of listed components such as Blade, Tower, Generator, Gearbox and Special Bearings (Main, Pitch and Yaw Bearing) along with mandatory relocation of data centres within India and prohibition of real-time data transfer outside India.
- The Standard Operating Procedure (SOP) for ALMM-Wind and ALMM – Wind Turbine Components (ALMM-WTC) issued on 29th October 2025, detailing the end-to-end process for application, verification, factory inspection, component evaluation and model enlistment.
- Standard & Labelling (S&L) programs for Solar Photovoltaic modules and Grid-connected Solar Inverters have been launched.
- To augment transmission infrastructure needed for steep RE trajectory, transmission plan has been prepared till 2030.
- “The Electricity (Late Payment Surcharge and related matters) Rules (LPS rules) have been notified.
- Electricity (Promoting Renewable Energy Through Green Energy Open Access) Rules, 2022, notified on 06th June 2022 with objective of ensuring access to affordable, reliable, and sustainable green energy for all. Green Energy Open Access is allowed to any consumer with contract demand of 100 kW or above through single or multiple single connection aggregating Hundred kW or more located in same electricity division of a distribution licensee.
- Green Term Ahead Market (GTAM) has been launched to facilitate sale of Renewable Power through exchanges.
- Government has issued orders that power shall be dispatched against Letter of Credit (LC) or advance payment to ensure timely payment by distribution licensees to RE generators.
- Notification of 'Offshore Wind Energy Policy in October 2015 to provide framework for the development of offshore wind energy in the country.
- The Offshore Wind Energy Lease Rules, 2023 notified to regulate the grant of lease of offshore areas for development of offshore wind energy projects.
- For initial phase of developments, 8 potential offshore wind zones each off the coast Tamil Nadu and Gujarat identified through meso-scale study.

- Installed a LIDAR off Gujarat Coast in Nov, 2017 and collected 2 years wind data. National Institute of Wind Energy (NIWE) has also conducted Geophysical, Geotechnical study, Rapid EIA study, Oceanographic (Wave, Tide & current study) for 01 GW capacity off Gujarat coast.
- Geotechnical study at three bore hole locations carried out off Tamil Nadu coast. Further, 4 LiDARs off Tamil Nadu coast installed for wind resource measurement. Offshore met-ocean field studies and Geophysical & Geotechnical investigation for a 500 MW capacity site off Tamil Nadu coast has also been completed.
- Central Transmission Utility (CTU) has completed the planning for initial 10 GW offshore transmission capacity (05 GW each off Gujarat and Tamil Nadu coast).
- Government has approved the 'Viability Gap Funding (VGF) scheme for offshore wind energy projects' with a total outlay of 7453 crore for installation and commissioning of 1 GW of offshore wind energy projects and grant for upgradation of two ports to meet logistics requirements for offshore wind energy projects.
- Offshore Wind has been included in the list of activities to be considered for trading of Carbon Credits under bilateral/co-operative approaches as per Article 6.2 Mechanism of Paris Agreement.
- Waiver of Inter-State Transmission (ISTS) Charges along with waiver of additional surcharges for open access consumers for offshore wind power projects commissioned on or before 31.12.2032.
- For large scale adoption of rooftop solar in the country, PM Surya Ghar: Muft Bijli Yojana launched in 2024 with the target of rooftop solar installation in one crore households in the country by 2026-27 with a total CFA outlay of Rs.75021 crore.
- Framework for the development of pumped storage projects has been issued. Roadmap to 100 GW of Hydro Pumped Storage Projects by 2035-36 has been prepared.
- 'National Programme on Advanced Chemistry Cell (ACC) Battery Storage' for implementation of giga-scale ACC manufacturing facilities in India, with an aim to establish a competitive domestic manufacturing ecosystem for 50 GWh with a total budgetary outlay of ₹18,100 crore. Out of 50 GWh capacity, 10 GWh has been earmarked for grid scale stationary storage applications.
- Ministry of Power is providing Viability Gap Funding (VGF) under different scheme for development of over 43 GWh capacity of battery energy storage systems (BESS) in the country.
- A National Framework for Promotion of Energy Storage Systems was issued in September 2023, providing a comprehensive roadmap for deployment, market integration and regulatory facilitation of storage technologies.
- Waiver of Inter-State Transmission System (ISTS) charges has been provided for co-located BESS projects commissioned up to June 2028, to improve project viability.
- Electricity supplied from BESS has been allowed to participate in the High-Price Day-Ahead Market, enabling storage to respond to peak price signals.

- CEA issued an advisory on co-location of energy storage systems with solar power projects, recommending storage capacity of at least 10% of installed solar capacity for a minimum duration of two hours, to improve dispatchability of solar power.
