

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.723
ANSWERED ON 02.12.2021**

INSTALLED POWER CAPACITY

723. MS. RAMYA HARIDAS:

**Will the Minister of POWER
be pleased to state:**

- (a) the total installed capacity of power during the last five years, State-wise;**
- (b) the contribution of private and public sector in the total installed capacity; and**
- (c) the share of renewable energy in the total installed capacity during the said period?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a): State-wise details of total Installed Capacity of power during the last five years and the current year (as on 30.10.2021) are given at Annexure-I.

(b): Sector-wise details of Installed Capacity and % share during the last 5 years and the current year are given at Annexure-II. As on 31.10.2021, the share of Public Sector is 51.86 % whereas the share of Private Sector is 48.14% in All India Installed Capacity.

(c): Mode-wise details of Installed Capacity along with Renewable Energy Sources (RES) % (including Hydro) share during the last 5 years and the current year are given at Annexure-III. As on 31.10.2021, the share of Renewable Energy Sources is 38.27% in total Installed Capacity.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 723 ANSWERED IN THE LOK SABHA ON 02.12.2021

Sector-wise, State-wise total allocated Installed Capacity of power during the last five years and current year (as on 30.10.2021)

State	Ownership/ Sector	Installed Capacity (MW)					
		As on 31.03.2017	As on 31.03.2018	As on 31.03.2019	As on 31.03.2020	As on 31.03.2021	As on 31.10.2021
Delhi	State	1935.40	1935.40	1935.40	1800.40	1800.40	1800.40
	Private	1033.49	1098.79	1156.11	1203.38	1231.19	1249.34
	Central	4854.11	4850.65	4145.65	4578.07	4558.28	4560.23
	Sub-Total	7823.00	7884.84	7237.16	7581.85	7589.87	7609.97
Haryana	State	4013.81	4013.81	4042.12	2929.30	2929.30	2929.30
	Private	4472.78	4628.23	4625.90	5557.78	5719.67	6057.03
	Central	2569.58	2599.98	2599.98	3803.36	3831.90	3785.86
	Sub-Total	11056.16	11242.01	11267.99	12290.44	12480.87	12772.19
Himachal Pradesh	State	851.21	951.21	951.21	951.21	1062.21	1062.21
	Private	1555.93	1589.23	1618.68	1589.43	1625.83	1804.97
	Central	1485.58	1498.24	1498.24	1466.53	1466.53	1466.53
	Sub-Total	3892.72	4038.68	4068.13	4007.17	4154.57	4333.71
Jammu & Kashmir and Ladakh	State	1513.03	1534.03	1534.03	1535.48	1535.98	1535.98
	Private	51.36	51.36	64.83	69.30	75.73	109.67
	Central	1709.19	1842.93	1795.33	1812.35	1866.08	1866.08
	Sub-Total	3273.58	3428.32	3394.19	3417.13	3477.79	3511.73
Punjab	State	5478.03	5468.03	4635.50	3281.20	3281.20	3281.20
	Private	6428.80	6558.12	6558.12	6724.20	6892.95	7035.37
	Central	2255.32	2238.82	2238.82	4200.02	4214.54	4178.55
	Sub-Total	14162.15	14264.97	13432.44	14205.42	14388.69	14495.12
Rajasthan	State	6905.61	7565.61	8233.83	8230.65	8230.65	8890.65
	Private	10199.95	10441.79	11287.81	13355.93	13977.65	17160.16
	Central	2670.76	3017.10	3067.10	3773.60	3836.62	3836.62
	Sub-Total	19776.32	21024.50	22588.74	25360.18	26044.92	29887.43
Uttar Pradesh	State	6672.20	6312.20	6218.20	6218.20	6242.20	6242.20
	Private	11171.06	12178.24	12443.93	12837.34	13456.49	13838.84
	Central	5819.15	6520.29	6467.89	7105.96	8197.01	8197.01
	Sub-Total	23662.41	25010.73	25130.02	26161.50	27895.70	28278.05
Uttarakhand	State	1315.02	1320.02	1320.02	1320.02	1320.02	1320.02
	Private	1089.94	1116.53	1163.20	1291.05	1442.28	1635.76
	Central	908.49	919.68	919.68	938.61	969.04	969.04
	Sub-Total	3313.45	3356.23	3402.90	3549.68	3731.34	3924.82
Chandigarh	State	0.00	0.00	0.00	0.00	0.00	0.00
	Private	17.32	25.20	34.71	40.55	45.16	53.45
	Central	159.60	162.89	162.89	165.98	169.57	169.57
	Sub-Total	176.92	188.09	197.60	206.53	214.73	223.02
Central - Unallocated		2428.87	2529.07	2529.07	2595.07	2710.57	2710.57

Total (Northern Region)	State	28684.31	29100.31	28870.31	26266.46	26401.96	27061.96
	Private	36020.63	37687.49	38953.29	42668.96	44466.95	48944.59
	Central	24860.65	26179.65	25424.65	30439.54	31820.14	31740.06
	Grand Total	89565.59	92967.45	93248.25	99374.96	102689.05	107746.61
Goa	State	0.05	0.05	0.05	0.05	0.05	0.05
	Private	48.71	48.91	51.92	53.12	55.78	66.83
	Central	491.80	500.45	515.26	528.00	539.94	539.94
	Sub-Total	540.56	549.41	567.23	581.17	595.77	606.82
Daman & Diu	State	0.00	0.00	0.00	0.00	0.00	0.00
	Private	10.46	10.61	14.47	19.86	40.55	40.72
	Central	171.10	176.97	191.75	203.89	215.08	215.08
	Sub-Total	181.56	187.58	206.22	223.75	255.63	255.80
Gujarat	State	8331.82	7707.82	7764.52	8572.17	8445.91	8445.91
	Private	18389.56	18774.69	20057.47	21900.16	24452.91	26528.46
	Central	3995.09	4311.81	4468.73	4738.25	4994.59	5873.90
	Sub-Total	30716.47	30794.32	32290.72	35210.58	37893.41	40848.27
Madhya Pradesh	State	5867.62	5867.62	7187.62	7187.62	7187.62	7187.62
	Private	9127.93	9309.84	10454.40	10765.05	10975.61	11191.28
	Central	4622.73	5144.41	5692.38	6868.38	7326.09	6958.48
	Sub-Total	19618.28	20321.87	23334.40	24821.05	25489.32	25337.38
Chhattisg arh	State	3411.05	2411.05	2411.05	2211.05	1971.05	1971.05
	Private	7051.81	9014.30	9374.30	8208.30	8229.83	8509.03
	Central	1596.98	2001.44	2258.75	2416.05	2875.39	2875.39
	Sub-Total	12059.84	13426.79	14044.10	12835.40	13076.27	13355.47
Maharash tra	State	14344.97	13900.97	14080.97	13660.97	13660.97	13450.97
	Private	19950.47	21752.75	22309.41	22004.27	22560.74	21960.06
	Central	7114.40	7420.48	7753.53	7831.05	7943.91	7943.91
	Sub-Total	41409.84	43074.19	44143.90	43496.29	44165.62	43354.94
Dadra & Nagar Naveli	State	0.00	0.00	0.00	0.00	0.00	0.00
	Private	2.97	5.46	5.46	205.46	205.46	205.46
	Central	238.85	249.78	270.94	287.70	303.33	297.78
	Sub-Total	241.82	255.24	276.40	493.16	508.79	503.24
Central - Unallocated		2320.59	2539.59	2758.59	2956.59	3196.59	3196.59
Total (Western Region)	State	31955.51	29887.51	31444.21	31631.86	31265.60	31055.60
	Private	54581.91	58916.56	62267.43	63156.22	66520.88	68501.84
	Central	20551.54	22344.92	23909.92	25829.92	27394.92	27901.07
	Grand Total	107088.96	111148.99	117621.55	120618.00	125181.40	127458.51
Andhra Pradesh	State	6482.83	6967.75	6975.18	6975.18	6975.18	6975.18
	Private	14080.60	14031.93	15157.28	15800.75	16404.42	16611.34
	Central	1734.87	2051.83	2051.83	2078.08	2104.33	2104.33
	Sub-Total	22298.30	23051.51	24184.29	24854.00	25483.92	25690.84
Telangana	State	6389.10	7572.65	8103.65	7683.65	8493.65	8493.65
	Private	3085.33	5399.63	5607.71	6194.87	6548.04	6644.94
	Central	2026.85	2114.85	2114.85	2145.50	2176.15	2176.15
	Sub-Total	11501.28	15087.13	15826.21	16024.02	17217.84	17314.74

Karnataka	State	8903.05	8903.05	8928.41	8800.49	8800.49	8845.49
	Private	9286.34	14267.22	15619.61	17011.88	17242.62	17514.11
	Central	3127.20	3527.20	3527.20	4012.45	4047.70	4047.70
	Sub-Total	21316.59	26697.47	28075.21	29824.81	30090.80	30407.29
Kerala	State	2186.48	2192.48	2189.36	2189.36	2189.36	2197.36
	Private	982.70	967.44	979.21	1426.07	1550.39	1620.51
	Central	1829.76	1914.80	1914.80	2081.00	2097.20	2097.20
	Sub-Total	4998.94	5074.72	5083.37	5696.43	5836.95	5915.07
Tamil Nadu	State	7169.98	7169.98	7144.98	7144.98	7144.98	7144.98
	Private	16104.77	16613.28	17844.75	19449.39	20327.52	20895.06
	Central	5837.52	6119.42	6069.42	6245.97	6222.52	6222.52
	Sub-Total	29112.27	29902.68	31059.15	32840.34	33695.02	34262.56
NLC	State	0.00	0.00	0.00	0.00	0.00	0.00
	Private	0.00	0.00	0.00	0.00	0.00	0.00
	Central	100.00	100.00	100.00	133.00	166.00	166.00
	Sub-Total	100.00	100.00	100.00	133.00	166.00	166.00
Puducherry	State	32.50	32.50	32.50	32.50	32.50	32.50
	Private	0.08	0.16	3.14	5.51	9.33	11.52
	Central	334.40	334.40	334.40	336.50	338.60	338.60
	Sub-Total	366.98	367.06	370.04	374.51	380.43	382.62
Central - Unallocated		2114.00	2234.00	2234.00	2264.00	2294.00	2294.00
Total (Southern Region)	State	31163.94	32838.41	33374.07	32826.15	33636.15	33689.15
	Private	43539.82	51279.66	55211.70	59888.47	62082.32	63297.48
	Central	17104.60	18396.50	18346.50	19296.50	19446.50	19446.50
	Grand Total	91808.36	102514.57	106932.27	112011.12	115164.97	116433.13
Bihar	State	280.70	780.70	70.70	70.70	70.70	70.70
	Private	502.52	536.45	536.45	972.77	984.21	1016.22
	Central	2824.32	3024.32	3959.32	4748.39	5265.89	5688.21
	Sub-Total	3607.54	4341.47	4566.47	5791.86	6320.80	6775.13
Jharkhand	State	1009.05	554.05	554.05	554.05	554.05	554.05
	Private	873.27	755.67	764.95	622.70	636.36	670.92
	Central	354.74	454.74	454.74	1337.46	1357.46	1487.50
	Sub-Total	2237.06	1764.46	1773.74	2514.21	2547.87	2712.47
West Bengal	State	6697.95	6697.95	6607.95	6497.95	6497.95	6497.95
	Private	2514.07	2768.87	2789.50	2847.93	2883.31	2898.54
	Central	1170.77	1170.77	1170.77	1680.62	1655.62	1780.34
	Sub-Total	10382.78	10637.59	10568.22	11026.50	11036.88	11176.83
DVC	State	0.00	0.00	0.00	0.00	0.00	0.00
	Private	0.00	0.00	0.00	150.00	150.00	150.00
	Central	7721.24	7171.24	7171.24	3491.21	3493.21	3283.21
	Sub-Total	7721.24	7171.24	7171.24	3641.21	3643.21	3433.21
Odisha	State	2488.22	2488.22	2508.22	3828.22	3828.22	3828.22
	Private	4327.15	3117.30	3412.46	2771.39	2799.27	2240.04
	Central	1722.90	1732.90	1732.90	1966.98	1966.98	1700.21
	Sub-Total	8538.27	7338.42	7653.58	8566.59	8594.47	7768.47

Sikkim	State	412.11	412.11	412.11	412.11	412.11	412.11
	Private	195.00	399.00	399.01	96.07	96.07	213.63
	Central	151.03	151.03	151.03	166.25	169.65	114.27
	Sub-Total	758.14	962.14	962.15	674.43	677.83	740.01
Central - Unallocated		1161.84	1186.84	1211.84	1306.34	1355.84	1574.84
Total (Eastern Region)	State	10888.03	10933.03	10153.03	11363.03	11363.03	11363.03
	Private	8412.00	7577.29	7902.37	7460.86	7549.22	7189.35
	Central	15106.84	14891.84	15851.84	14697.25	15264.65	15628.58
	Grand Total	34406.87	33402.16	33907.24	33521.13	34176.90	34180.96
Assam	State	513.46	418.46	433.22	433.22	434.37	434.37
	Private	40.38	41.05	51.00	69.83	73.59	74.65
	Central	1045.81	1045.81	1226.16	1253.64	1286.14	1285.16
	Sub-Total	1599.65	1505.32	1710.38	1756.69	1794.10	1794.18
Arunachal Pradesh	State	104.61	104.61	107.11	107.11	107.11	107.11
	Private	0.27	5.39	29.39	29.61	29.61	35.23
	Central	168.97	168.97	200.42	241.92	628.42	628.42
	Sub-Total	273.84	278.97	336.92	378.64	765.14	770.76
Meghalaya	State	313.03	353.03	354.53	354.53	354.53	354.53
	Private	0.01	0.02	0.12	13.92	13.92	17.88
	Central	205.28	205.28	227.56	240.08	247.58	248.56
	Sub-Total	518.32	558.33	582.21	608.53	616.03	620.97
Tripura	State	185.51	185.51	185.51	185.51	153.01	153.01
	Private	5.09	0.09	0.09	4.41	4.41	9.86
	Central	536.73	541.73	566.54	574.04	566.54	566.54
	Sub-Total	727.33	727.33	752.14	763.96	723.96	729.41
Manipur	State	41.45	41.45	41.45	41.45	41.45	41.45
	Private	0.03	0.06	3.44	5.16	6.36	12.16
	Central	191.90	191.90	214.01	221.01	214.01	214.01
	Sub-Total	233.38	233.41	258.90	267.62	261.82	267.62
Nagaland	State	30.67	30.67	30.67	30.67	30.67	30.67
	Private	0.50	1.00	1.00	1.00	1.00	3.04
	Central	123.70	123.70	138.36	142.86	147.36	147.36
	Sub-Total	154.87	155.37	170.03	174.53	179.03	181.07
Mizoram	State	41.47	36.47	36.47	36.47	36.47	36.47
	Private	0.10	0.20	0.50	1.52	1.53	7.88
	Central	95.35	155.35	169.45	173.95	169.45	169.45
	Sub-Total	136.92	192.02	206.42	211.94	207.45	213.80
Central - Unallocated		265.88	265.88	316.12	361.12	316.12	316.12
Total (North- Eastern Region)	State	1230.20	1170.20	1188.95	1188.95	1157.60	1157.60
	Private	46.38	47.81	85.54	125.45	130.42	160.70
	Central	2633.62	2698.62	3058.62	3208.62	3575.62	3575.62
	Grand Total	3910.19	3916.63	4333.11	4523.02	4863.64	4893.92
Andaman & Nicobar	State	45.30	45.30	45.30	45.30	45.30	45.30
	Private	6.56	1.46	6.63	7.09	24.12	24.39
	Central	0.00	5.10	5.10	5.10	5.10	5.10
	Sub-Total	51.86	51.86	57.03	57.49	74.52	74.79

Laksha- dweep	State	0.00	0.00	0.00	0.00	0.00	0.00
	Private	0.71	0.75	0.75	0.75	0.75	3.27
	Central	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-Total	0.71	0.75	0.75	0.75	0.75	3.27

Total (Islands)	State	45.30	45.30	45.30	45.30	45.30	45.30
	Private	7.27	2.21	7.38	7.84	24.87	27.66
	Central	0.00	5.10	5.10	5.10	5.10	5.10
	Grand Total	52.57	52.61	57.78	58.24	75.27	78.06
ALL INDIA	State	103967.28	103974.75	105075.86	103321.74	103869.64	104372.64
	Private	142608.01	155511.02	164427.70	173307.79	180774.66	188121.62
	Central	80257.25	84516.63	86596.63	93476.93	97506.93	98296.93
	Total	326832.53	344002.39	356100.19	370106.46	382151.22	390791.18

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 723 ANSWERED IN THE LOK SABHA ON 02.12.2021

Sector-wise Installed Capacity and % share during last 5 years and current year

Sector	As on 31.03.2017		As on 31.03.2018		As on 31.03.2019		As on 31.03.2020		As on 31.03.2021		As on 31.10.2021	
	IC (MW)	% Share	IC (MW)	% Share	IC (MW)	% Share	IC (MW)	% Share	IC (MW)	% Share	IC (MW)	% Share
Public Sector												
Central	80257.25	24.56	84516.63	24.57	86596.63	24.32	93476.93	25.26	97506.93	25.52	98296.93	25.15
State	103967.28	31.81	103974.75	30.23	105075.86	29.51	103321.74	27.92	103869.64	27.18	104372.64	26.71
Public Sector Total	184224.53	56.37	188491.38	54.79	191672.49	53.83	196798.67	53.17	201376.57	52.70	202669.57	51.86
Private	142608.01	43.63	155511.02	45.21	164427.70	46.17	173307.79	46.83	180774.66	47.30	188121.62	48.14
Total	326832.53	100.00	344002.39	100.00	356100.19	100.00	370106.46	100.00	382151.23	100.00	390791.18	100.00

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 723 TO BE ANSWERED IN THE LOK SABHA ON 02.12.2021

Mode-wise Installed Capacity along with RES % share during last 5 years and current year

As on	Mode-wise breakup								Total	% RES * Share
	Thermal			Total Thermal	Nuclear	RES				
	Coal/Lignite	Gas	Diesel			Hydro	Solar, Wind & Biomass	Total RES		
31.03.2017	192162.88	25329.38	837.63	218329.88	6780.00	44478.42	57244.23	101722.65	326832.53	31.12
31.03.2018	197171.50	24897.46	837.63	222906.59	6780.00	45293.42	69022.39	114315.81	344002.39	33.23
31.03.2019	200704.50	24937.22	637.63	226279.34	6780.00	45399.22	77641.63	123040.85	356100.19	34.55
31.03.2020	205134.50	24955.36	509.71	230599.57	6780.00	45699.22	87027.68	132726.90	370106.46	35.86
31.03.2021	209294.50	24924.01	509.71	234728.22	6780.00	46209.22	94433.79	140643.01	382151.22	36.80
31.10.2021	209034.50	24899.51	509.71	234443.72	6780.00	46512.22	103055.25	149567.47	390791.18	38.27

***RES: Renewable Energy Sources**
