

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.4342
TO BE ANSWERED ON 11.08.2016**

POWER GENERATION CAPACITY

†4342. SHRI ASHWINI KUMAR :

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

- (a) the installed capacity, targets fixed and the power generated by the power plants of the Central, State and private sectors in the country separately, during the last three years and the current year, Sector-wise, resource-wise and State-wise;
- (b) whether there is any decline in the electricity generated by using coal and gas during the last two years and if so, the details thereof and the reasons therefor; and
- (c) the extent of increase took place in the electricity generation capacity in various sectors in the country during the last year and the action plan formulated by the Government for increasing the electricity generation capacity in future so as to meet the rising demand of electricity in the country?

A N S W E R

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES**

(SHRI PIYUSH GOYAL)

(a): The installed Generation capacity, targets fixed and the power generated by the power plants of the Central, State and Private sectors in the country, during the last three years and the current year, Sector-wise, resources-wise and State-wise is given at Annex.

(b): No, Madam.

(c): The electricity generation capacity in various sectors in the country during 2015-16 vis-à-vis 2014-15 is given below:

Sector	Generation Capacity as on 31.03.2016	Generation Capacity as on 31.03.2015	% increase
CENTRAL	79181.05	75405.45	5.01
STATE	97006.07	90055.19	7.72
PVT	83228.5	70235.5	18.50
Grand Total	259415.62	235696.14	10.06

Generation capacity addition has been planned to meet the rising demand of electricity in the country. Generation capacity addition target during 12th Five Year Plan (2012-17) is 88,537 MW from conventional sources on All-India basis. In addition, the capacity addition planned from renewable sources is 30,000 MW during 12th Five Year Plan. With this capacity addition, the projected demand for electricity as per 18th (Electric Power Survey) EPS is likely to be met by the terminal year of 12th Five Year Plan.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 4342 TO BE ANSWERED IN THE LOK SABHA ON 11.08.2016.

Sector wise, Fuel wise and State wise Monitored Capacity, Target fixed and Generation for current year and last three years												
Sector / Resource / State	2016-17 (up to July 16)			2015-16			2014-15			2013-14		
	Monitored Capacity as on 31.07.2016 MW	Target MU	Generation * MU	Installed Capacity as on 31.03.2016 MW	Target MU	Generation MU	Monitored Capacity as on 31.03.2015 MW	Target MU	Generation MU	Monitored Capacity as on 31.03.2014 MW	Target MU	Generation MU
CENTRAL												
HYDRO												
ARUNACHAL PRADESH	405	605	648.23	405	1125	1280.25	405	1200	1109.48	405	1250	980.94
ASSAM	225	241	381.6	225	764	781.8	225	764	629.46	225	680	793.81
BBMB	2866.3	3541	4090.97	2884.3	9076	11818.9	2884.3	9275	10599.78	2884.3	9665	12125.01
DVC	143.2	59	14.41	143.2	219	176.51	143.2	218	267.3	143.2	283	225.63
HIMACHAL PRADESH	4483.02	8859	9198.7	4483.02	15027	18185.69	4083.02	13750	14684.06	3296.34	12620	12508.2
JAMMU AND KASHMIR	2009	4647	4867.68	2009	9690	11155.85	2009	9539	10640.92	2009	9490	8895.6
MADHYA PRADESH	1520	721	1206.87	1520	3315	2929.22	1520	3455	3670.82	1520	3384	5711.9
MANIPUR	105	140	254.22	105	500	536.64	105	520	372.44	105	500	639.84
MEGHALAYA	50	62	94.1	50	167	175.05	50	167	87.86	50	235	179.41
NAGALAND	75	65	83.9	75	227	163.14	75	227	165.15	75	227	245.71
SIKKIM	570	1229	1294.3	570	2813	3055.43	570	2721	2914.43	570	2841	2653.96
UTTARAKHAND	1774.2	1672	1873.25	1774.2	5502	5891.04	1774.2	5452	5423.92	1774.2	5514	6248.77
WEST BENGAL	252	424	418.01	212	500	533.63	132	540	394.19	132	642	186.95
NUCLEAR												
GUJARAT	440	1100	0	440	3116	2028.17	440	3116	3529.4	440	3282	3752.43
KARNATAKA	880	2053	1902.3	880	6366	7672.71	880	5607	6462.17	880	5778	6539.06
MAHARASHTRA	1400	3173	2981.28	1400	8397	10389.14	1400	7940	10269.89	1400	9081	9884.54
RAJASTHAN	1180	2688	2398.52	1180	7645	8419.24	1180	7645	7722.39	1180	7778	9233.13
TAMIL NADU	1440	3464	3948.92	1440	9642	5471.76	1440	8158	5227.15	440	6395	2115.13
UTTAR PRADESH	440	961	1109.85	440	2834	3432.6	440	2834	2890.54	440	2886	2703.5
COAL												
ANDHRA PRADESH	2000	5112	4943.83	2000	14600	14469.64	2000	14400	15025.53	2000	14191	14684.48
ASSAM	250	366	565.23	250	497	117.12						
BIHAR	4325	8204	8265.69	4325	20650	20827.01	4075	17215	18272.27	3220	15600	14939.36
CHHATTISGARH	6080	14554	16139.39	6080	42684	46265.11	6080	42153	45074.93	6080	43119	43449.75
DELHI	705	358	960.31	705	3900	2241.44	705	4600	3281.21	705	4600	4146.49
DVC	7900	10008	11319.54	7900	30673	27853.42	6800	33497	25283.81	6200	33300	27889.66
HARYANA	1500	2440	2388.18	1500	6500	5798.2	1500	5912	7022.93	1500	7500	5382.61
MADHYA PRADESH	4760	10341	11210.86	4760	29017	31319.93	4260	28545	29573.73	4260	26860	28795.84
MAHARASHTRA	1660	975	1363.79	1660	4022	1875.66	1000	3700	2310.91	1000	2622	820.79
ORISSA	3460	8497	9282.36	3460	25800	27697.28	3460	25800	27482.53	3460	25010	25590.5
TAMIL NADU	2500	5512	4528.21	2500	11924	11274.9	2000	6492	5919.44	1500	3893	3896.72
TELANGANA	2600	6567	6277.51	2600	19550	20250.59	2600	19700	20441.18	2600	19210	19746.25
UTTAR PRADESH	8310	19161	18590.18	8310	58850	57511.9	8310	58407	58845.8	8310	57355	59232.57
WEST BENGAL	2100	4366	4138.32	2100	13400	12360.43	2100	13700	13378.93	2100	13350	13277.74
LIGNITE												
RAJASTHAN	250	327	273.18	250	1550	1285.56	250	1643	1380.66	250	1423	1437.96
TAMIL NADU	2990	7005	6456.92	2990	18430	17864.31	2990	17618	18327.84	2740	17395	18550.92
NATURAL GAS												
ASSAM	291	561	592.38	291	1725	1758.83	291	1725	1741.04	291	1725	1726.39
GUJARAT	1313.59	1049	1271.93	1313.59	3450	2173.9	1313.59	3180	3349.75	1313.59	6295	2711.51
HARYANA	431.59	376	462.77	431.59	1200	1100.64	431.59	1600	1571.43	431.59	2010	1731.87
MAHARASHTRA	2220	1002	1504.79	2220	0	1233.67	2220	1300	0	2220	500	1506.29
RAJASTHAN	419.33	346	124.24	419.33	1200	941.97	419.33	1600	1653.45	419.33	1985	1965.34
TRIPURA	937.1	1701	1581.9	937.1	5556	4370.16	901.5	2202	3097.98	447.3	1395	1638.24
UTTAR PRADESH	1493.14	1298	1071.25	1493.14	4200	4511.31	1493.14	5000	4194.28	1493.14	7080	5191.85
NAPHTHA												
DVC	90	0	0	90	0	0	90	0	0	90	0	0
KERALA	359.58	182	15.4	359.58	500	142.75	359.58	300	819.12	359.58	630	968.53
Central (Total)	79203.05	146012	150095.27	79181.05	406803	409342.5	75405.45	393417	395110.1	70959.57	389579	384905.18
State												
HYDRO												
ANDHRA PRADESH	1100	294	64.72	1100	2005	671.33	1100	1886	1862.48	1100	1860	2026.57
ASSAM	100	141	139.93	100	390	408.88	100	390	402.43	100	390	422.14

MAHARASHTRA	481	513	391.08	481	1486	1181.04	481	1485	1506.9	481	1515	1687.72
SIKKIM	195	397	352.8	195	607	496.49	99	748	430.86	99	537	291.42
UTTARAKHAND	730	1443	1463.16	730	2890	2112.02	400	1776	1815.94	400	1817	437.9
COAL												
ANDHRA PRADESH	3260	5430	5247.61	3260	9130	13175.68	1560	4386	4761.77	750	3265	3674.63
CHHATTISGARH	10598	10842	12681.1	10598	26107	27644.38	8353	19449	18785.05	5048	13698	14563.21
GUJARAT	10242	21484	20434.9	10242	68244	66099.82	10220	64430	66493.72	10220	50835	61804.83
HARYANA	1320	1806	819.19	1320	7000	4952.22	1320	7000	6537.48	1320	8291	6207.51
JHARKHAND	1950	4179	4537.59	1950	11624	12651.67	1950	12310	11434.2	1950	10869	11250.5
KARNATAKA	2060	4376	4087.5	2060	13500	14842.67	2060	14942	13754.38	2060	13163	13945.38
MADHYA PRADESH	8225	14483	15230.99	8225	27527	40952.93	6425	11357	22264.77	3125	3481	5428.33
MAHARASHTRA	10996	18596	15080.27	10996	53600	54171.66	10996	38496	44017.41	9226	33953	34668.22
ORISSA	5000	6939	7313.48	5000	17540	21496.85	4650	11099	14131.49	3450	9064	10218.34
PUNJAB	3920	3968	5423.95	3920	13000	10999.5	2060	4732	7250.01	700	292	511.69
RAJASTHAN	1320	2693	3292.67	1320	9758	8684.82	1320	8000	7866.36	1320	0	3713.53
TAMIL NADU	2700	1709	2719.61	2100	2968	4720.54	900	1093	2520.86	300	0	616.77
UTTAR PRADESH	5490	6635	8100.58	4830	21401	17719.99	2850	18505	19624.94	2850	17250	17587.87
WEST BENGAL	1755	3795	3944.32	1915	9761	10621.69	1915	8978	8952.17	1315	9059	8929.72
LIGNITE												
GUJARAT	500	1151	1192.25	500	3548	3077.99	500	3600	3266.61	500	3417	3018.02
RAJASTHAN	1080	2504	2139.19	1080	7325	7215.82	1080	5000	7351.81	1080	5249	4194.32
TAMIL NADU	250	618	425.98	250	1700	1476.81	250	1861	1828.12	250	1866	1865.26
NATURAL GAS												
ANDHRA PRADESH	4880.4	907	1943.85	4880.4	2335	5535.51	3370.4	4421	2561.07	3370.4	3856	5244.06
DELHI	108	0	0	108	0	0	108	0	0	108	175	0.22
GUJARAT	4060	1153	2364.57	4060	3010	8435.39	4160	1400	3119.95	3760	1925	2948.82
MAHARASHTRA	180	284	435.42	180	1110	1179.74	180	1250	1148.5	180	1291	1274.78
TAMIL NADU	503.1	196	455.79	503.1	964	978.7	503.1	1850	2128.98	503.1	1750	2538.22
NAPHTHA												
GOA	48	0	0	48	0	0	48	254	12.61	48	254	241.32
KERALA	174	0	0	174	50	0	174	50	154.71	174	25	352.21
DIESEL												
ANDHRA PRADESH	36.8	0	0	36.8	0	0	36.8	0	0	36.8	0	0
KARNATAKA	106.5	0	0	106.5	0	0	106.5	0	0	106.5	0	0
TAMIL NADU	411.7	14	10.98	411.7	300	76.23	411.7	1195	1045.97	411.7	1450	1451.39
Private (Total)	84328.5	119727	123885.45	83228.5	324072	348240.15	70235.5	256985	281752.1	56890.5	206151	226244.56
Import												
Hydro												
Bhutan (IMP)		1662	1984.16		4800	5244.21		4800	5007.74	0	4800	5597.9
		1662	1984.16		4800	5244.21		4800	5007.74	0	4800	5597.9
Grand Total	260726.98	389271	391163.27	259415.62	137500	1107822.28	235696.14	1023000	1048672.96	213169.16	975000	967150.34

* PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT

Note: Generation from conventional sources (Thermal, Hydro and Nuclear) stations of 25 MW and above only.
