

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.2348
TO BE ANSWERED ON 16.03.2017**

POWER GENERATION CAPACITY

†2348. SHRI GOPAL SHETTY:

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

- (a) the present status of installed capacity of power generation and the actual power generation including central sector from all sources in the country as on date, State-wise;**
- (b) the power generation capacity required in the country at present and the extent to which the country's power generation capacity is able to meet the requirements along with the measures being taken by the Government to bridge the gap; and**
- (c) the estimated demand for electricity in the country in the next 10 years and the efforts being made by the Government to fulfil it?**

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 state-wise installed capacity of power generation and the actual power generation including central sector from all sources in the country for the year 2016-17 (upto February, 2017) is given at Annex-I.

(b) : Sufficient Power Generation Capacity is available in the country to meet the requirement of electricity. To meet the projected demand of power as per 18th Electric Power Survey (EPS), a capacity addition of about 94,681 MW as against the target of 88,537 MW from the conventional sources have been achieved, till 28th February, 2017 and about 22,736 MW as against the target of 30,000 MW from renewable sources have been achieved, till 31st January, 2017.

(c) : As per 19th EPS Report brought out by Central Electricity Authority, the projected electrical energy requirement and peak electricity demand on all-India basis in the year 2026-27 is given at Annex-II.

To meet the electricity demand in the coming years, the following steps have been taken/are being taken by the Government:

- (i) Generation capacity addition has been planned to meet the rising demand of electricity in the country. The National Electricity Plan, 2012, has projected a generation capacity addition requirement of 86,400 MW from conventional sources during the period 2017-22 to meet the projected demand of electricity for the year 2021-22.**
- (ii) Thrust is being given to electricity generation from renewable energy sources. Government has set a target of 175,000 MW of Renewable Energy by the year 2022.**
- (iii) Renovation, modernization and life extension of old, inefficient generating units is being carried out to improve efficiency and better availability of generating units.**

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 2348 TO BE ANSWERED IN THE LOK SABHA ON 16.03.2017.

Region-wise State-wise Sector-wise Installed Capacity & Actual Power Generation in the Country during the current year (2016-17)

Region	State /UT	SECTOR	Installed Capacity (MW)	Generation during 2016-17 (upto-Feb. 17)* (MUs)	
NR	BBMB	CENTRAL	2866	9976.26	
	BBMB Total		2866	9976.26	
	DELHI		STATE	2235	4184.73
			CENTRAL	705	1703.15
			PVT	108	0
	DELHI Total		3048	5887.88	
	HARYANA		STATE	2720	9103.57
			CENTRAL	1932	5866.51
			PVT	1320	2809.96
	HARYANA Total		5972	17780.04	
	HIMACHAL PRADESH		STATE	502	1223.2
			CENTRAL	4483	17539.82
			PVT	1748	7205.51
	HIMACHAL PRADESH Total		6733	25968.53	
	JAMMU AND KASHMIR		STATE	1285	4464.89
			CENTRAL	2009	9686.68
			PVT	1748	7205.51
	JAMMU AND KASHMIR Total		3294	14151.57	
	PUNJAB		STATE	3681	9465.06
			CENTRAL	3920	15446.38
			PVT	7601	24911.44
	PUNJAB Total		7601	24911.44	
	RAJASTHAN		STATE	6205	25118.89
			CENTRAL	1849	8628.77
			PVT	2400	13543.31
	RAJASTHAN Total		10454	47290.97	
	UTTAR PRADESH		STATE	6425	28240.5
CENTRAL			10243	56984.95	
PVT			6150	24646.08	
UTTAR PRADESH Total		22818	109871.53		
UTTARAKHAND		STATE	1252	3980.81	
		CENTRAL	1774	5397.62	
		PVT	1180	4025.12	
UTTARAKHAND Total		4206	13403.55		
NR Total			66993	269241.77	
WR	CHHATTISGARH	STATE	3400	16542.3	
		CENTRAL	6080	43382.66	
		PVT	10948	35451.51	
	CHHATTISGARH Total		20428	95376.47	
	GOA	PVT	48	0	
		GOA Total		48	0
	GUJARAT		STATE	9292	19354.15
			CENTRAL	1754	3578.08
			PVT	14802	68257.93
	GUJARAT Total		25847	91190.16	
	MADHYA PRADESH		STATE	4955	15720.85
			CENTRAL	6280	33395.48
			PVT	8225	40714.62
	MADHYA PRADESH Total		19460	89830.95	
	MAHARASHTRA		STATE	13692	45108.88
			CENTRAL	5280	17427.77
			PVT	12011	43659.88
	MAHARASHTRA Total		30983	106196.53	
	WR Total			96766	382594.11

SR	ANDHRA PRADESH	STATE	5795	26420.52
		CENTRAL	2000	12874.06
		PVT	8602	19443.66
	ANDHRA PRADESH Total		16397	58738.24
	KARNATAKA	STATE	8005	22248.97
		CENTRAL	1680	5961.92
		PVT	2085	11104.65
	KARNATAKA Total		11771	39315.54
	KERALA	STATE	2041	3708.49
		CENTRAL	360	15.4
		PVT	174	0
	KERALA Total		2575	3723.89
	LAKSHADWEEP	STATE	0	0
	LAKSHADWEEP Total		0	0
	PUDUCHERRY	STATE	33	224.95
	PUDUCHERRY Total		33	224.95
	TAMIL NADU	STATE	7387	26389.05
		CENTRAL	6930	40180.48
		PVT	3865	9676.58
	TAMIL NADU Total		18182	76246.11
	TELANGANA	STATE	6849	20996.96
		CENTRAL	2600	17754.49
	TELANGANA Total		9449	38751.45
SR Total			58406	217000.18
ER	ANDAMAN NICOBAR	STATE	40	184.97
		PVT	0	0
	ANDAMAN NICOBAR Total		40	184.97
	BIHAR	STATE	210	111.46
		CENTRAL	4325	22065.39
	BIHAR Total		4535	22176.85
	DVC	CENTRAL	7783	30413.64
	DVC Total		7783	30413.64
	JHARKHAND	STATE	1005	1327.36
		CENTRAL	3033	385.88
		PVT	1950	11933.35
	JHARKHAND Total		5988	13646.59
	ODISHA	STATE	2562	7490.5
		CENTRAL	427	24236.99
		PVT	5000	19556.98
	ODISHA Total		7989	51284.47
	SIKKIM	STATE	1000	113.25
		CENTRAL	570	2986.15
		PVT	195	881.07
	SIKKIM Total		1765	3980.47
	WEST BENGAL	STATE	6826	24864.35
		CENTRAL	2392	13677
		PVT	1781	9228.1
	WEST BENGAL Total		10999	47769.45
ER Total			39100	169456.44
NER	ARUNACHAL PRADESH	STATE	0	0
		CENTRAL	405	1200.35
	ARUNACHAL PRADESH Total		405	1200.35
	ASSAM	STATE	483	1517.38
		CENTRAL	766	3999.18
		PVT	25	0
	ASSAM Total		1274	5516.56
	MANIPUR	STATE	36	0
		CENTRAL	105	707.7
	MANIPUR Total		141	707.7

	MEGHALAYA	STATE	282	697.5
		CENTRAL	50	192.77
	MEGHALAYA Total		332	890.27
	MIZORAM	STATE	0	0
	MIZORAM Total		0	0
	NAGALAND	STATE	0	0
		CENTRAL	75	254.55
	NAGALAND Total		75	254.55
	TRIPURA	STATE	170	580
		CENTRAL	963	4718.43
	TRIPURA Total		1132	5298.43
NER Total			3359	13867.86
All India			264624	1057745.51

* **PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT**

Note: 1. Generation includes generation from plants 25 MW & above capacity (from conventional sources i.e. hydro, thermal and nuclear only).

2. Figures given above indicate gross generation of all power stations (Central, State & Private Sector) located geographically in the respective State/UT.

3. Generation does not include Renewable Energy Sources generation.

ANNEX-II

ANNEX REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 2348 TO BE ANSWERED IN THE LOK SABHA ON 16.03.2017.

The projected electrical energy requirement and peak electricity demand on all-India basis in the year 2026-27

Year	Electricity Energy Requirement (Utilities) (MU)	Peak Electricity Demand (Utilities) (MW)
2026-27	20,47,434	2,98,774
