

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.3550  
TO BE ANSWERED ON 23.03.2017**

**TRANSMISSION CAPACITY**

**3550. SHRI R. PARTHIPAN:**

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

- (a) the total installed capacity of power plants in the country;**
- (b) whether the demand of electricity has always been exceeding the supply, if so, the details thereof, State-wise;**
- (c) whether the current installed transmission capacity is only 13 percent of the total installed generation capacity, if so, the details thereof; and**
- (d) whether the transmission network has increased from the isolated system concentrated around urban and industrial areas to country-wide National Grid, if so, the details thereof?**

**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 total installed capacity of power plants in the country is 315426.32 MW (including 50,018 MW from Renewable Energy Sources (RES) as on 28<sup>th</sup> February 2017.**
- (b) : No, Madam. Sufficient generation capacity is available to meet the demand of electricity. There is only a marginal gap between demand and supply of power in the country. Some States are not able to meet demand of electricity due to transmission /distribution /financial constraints. The details of States/UTs-wise of the demand and supply of power in terms of energy and peak during the current year (April,2016 to Februrary,2017) is given at Annex.**
- (c) : As on 28<sup>th</sup> February 2017, a total of 3,65,134 CKm of Transmission lines (220 kV and above) and 7,20,494 MVA of Transformation capacity (220 kV and above) exists in the country.**
- (d) : Yes, Madam. The transmission network has increased from the isolated system concentrated around urban and industrial areas at the time independence in 1947, to countrywide National Grid. The total transmission capacity at 220kV and above, has increased from 52,034 circuit kilometers at the end of 6<sup>th</sup> Plan period to 3,65,134 circuit kilometers as on 28.02.2017. The substation transformation capacity at 220 kV and above, has increased from 46,621 MVA at the end of 6<sup>th</sup> Plan period to 7,20,494 MVA as on 28.02.2017. This includes both state and interstate transmission systems.**

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**ANNEX REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 3550 TO BE ANSWERED IN THE LOK SABHA ON 23.03.2017.**

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**Power Supply Position for 2016-17 (Provisional)**

State / System / Region	Energy				Peak			
	April, 2016 - February, 2017				April, 2016 - February, 2017			
	Energy Requirement	Energy Supplied	Energy not Supplied		Peak Demand	Peak Met	Demand not Met	
	( MU )	( MU )	( MU )	( % )	( MW )	( MW )	( MW )	( % )
Chandigarh	1,541	1,541	0	0	361	361	0	0
Delhi	28,862	28,831	-31	-0.1	6,342	6,261	-81	-1.3
Haryana	45,324	45,324	0	0.0	9,262	9,262	0	0.0
Himachal Pradesh	8,087	8,037	-50	-0.6	1,492	1,492	0	0.0
Jammu & Kashmir	15,929	12,887	-3,042	-19.1	2,675	2,140	-535	-20.0
Punjab	49,659	49,659	0	0.0	11,408	11,408	0	0.0
Rajasthan	62,282	61,862	-420	-0.7	10,613	10,348	-265	-2.5
Uttar Pradesh	98,619	96,816	-1,803	-1.8	17,183	15,501	-1,682	-9.8
Uttarakhand	12,013	11,937	-76	-0.6	2,037	2,037	0	0.0
Northern Region	3,22,317	3,16,897	-5,420	-1.7	53,372	52,612	-760	-1.4
Chhattisgarh	21,193	21,140	-53	-0.3	3,875	3,851	-25	-0.6
Gujarat	94,366	94,365	-1	0.0	14,724	14,708	-16	-0.1
Madhya Pradesh	60,520	60,519	-1	0.0	11,512	11,501	-11	-0.1
Maharashtra	1,26,561	1,26,503	-58	0.0	21,281	21,204	-76	-0.4
Daman & Diu	2,190	2,190	0	0.0	327	327	0	0.0
Dadra Nagar Haveli	5,544	5,544	0	0.0	784	784	0	0.0
Goa	3,971	3,969	-2	-0.1	531	531	0	0.0
Western Region	3,14,343	3,14,232	-111	0.0	47,962	47,844	-119	-0.2
Andhra Pradesh	49,283	49,242	-41	-0.1	7,969	7,965	-4	-0.1
Telangana	47,601	47,591	-10	0.0	8,927	8,927	0	0.0
Karnataka	60,472	60,117	-355	-0.6	10,257	10,242	-14	-0.1
Kerala	22,018	21,984	-34	-0.2	4,132	3,996	-135	-3.3
Tamil Nadu	95,036	95,017	-19	0.0	14,823	14,823	0	0.0
Puducherry	2,316	2,313	-3	-0.1	371	368	-3	-0.7
Lakshadweep#	44	44	0	0	8	8	0	0
Southern Region	2,76,729	2,76,265	-464	-0.2	42,052	41,610	-442	-1.1
Bihar	23,616	23,150	-466	-2.0	3,883	3,759	-125	-3.2
DVC	17,043	16,909	-134	-0.8	2,721	2,721	0	0.0
Jharkhand	7,274	7,223	-51	-0.7	1,498	1,498	0	0.0
Odisha	24,343	24,341	-2	0.0	4,012	4,012	0	0.0
West Bengal	44,342	44,214	-128	-0.3	7,931	7,886	-45	-0.6
Sikkim	436	436	0	0.0	112	112	0	0.0
Andaman- Nicobar#	220	165	-55	-25	40	32	-8	-20
Eastern Region	1,17,057	1,16,277	-780	-0.7	18,790	18,596	-194	-1.0
Arunachal Pradesh	660	646	-14	-2.1	148	140	-8	-5.4
Assam	8,387	8,088	-299	-3.6	1,673	1,633	-40	-2.4
Manipur	693	670	-23	-3.3	163	163	0	-0.2
Meghalaya	1,565	1,565	0	0.0	331	331	0	0.0
Mizoram	466	455	-11	-2.4	98	98	0	0.0
Nagaland	687	675	-12	-1.7	148	147	-1	-0.7
Tripura	1,423	1,403	-20	-1.4	284	284	0	0.0
North-Eastern Region	13,879	13,493	-386	-2.8	2,487	2,475	-12	-0.5
All India	10,44,325	10,37,163	-7,162	-0.7	1,59,542	1,56,934	-2,608	-1.6

# Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and availability.

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