

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.4621
TO BE ANSWERED ON 30.03.2017**

THERMAL POWER PLANTS

†4621. SHRI HARISH CHANDRA ALIAS HARISH DWIVEDI:

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

- (a) the number of thermal power plants in the country at present, State-wise;**
- (b) the difference between the installed capacity and the generation of power of thermal power plants, State-wise;**
- (c) the reasons behind lower generation of power than their capacity;**
- (d) whether the Government proposes to set up some new thermal or nuclear power plants in Uttar Pradesh in view of shortage of electricity in the State in the near future; and**
- (e) 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 number of thermal plants in the country is at present 264. State-wise breakup is given at Annexure-I.

(b) & (c) : The installed capacity of a power plant if utilized fully, may render the maximum generation. This utilization of installed capacity is expressed in terms of Plant Load Factor (PLF) i.e. 100% capacity utilization means 100% PLF. The PLF depends on factors such as age of the unit, forced and planned outages, availability of required quality and quantity of fuel, availability of transmission network and receipt of schedule from beneficiary. The State-wise installed capacity, actual generation and PLF of thermal power plants is enclosed at Annexure-II.

(d) & (e) : Thermal Projects totaling to 9080 MW are presently under construction in the state of Uttar Pradesh under Central, State and Private Sectors. The details of these projects are given at Annexure-III.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 4621 TO BE ANSWERED IN THE LOK SABHA ON 30.03.2017.

State-wise Nos. of Thermal Power Plants

Sl. No.	State/UTs	No. of Thermal* Power Plants
1	Delhi	6
2	Haryana	6
3	Jammu & Kashmir	1
4	Punjab	6
5	Rajasthan	11
6	Uttar Pradesh	21
7	Uttarakhand	2
8	Chhattisgarh	26
9	Goa	1
10	Gujarat	26
11	Madhya Pradesh	12
12	Maharashtra	27
13	Andhra Pradesh	23
14	Karnataka	10
15	Kerala	4
16	Puducherry	1
17	Tamil Nadu	24
18	Telangana	6
19	A & N Islands	1
20	Bihar	5
21	DVC	8
22	Jharkhand	5
23	Odisha	7
24	West Bengal	14
25	Assam	5
26	Manipur	1
27	Tripura	5
	Grand Total	264

Note: * Thermal power plants includes coal based, gas based and diesel power plants.

ANNEXURE REFERRED TO IN REPLY TO PARTS (b) & (c) OF UNSTARRED QUESTION NO. 4621 TO BE ANSWERED IN THE LOK SABHA ON 30.03.2017.

Region-wise State-wise Installed Capacity, Generation and Plant Load Factor (PLF) of Thermal Power Plants for the year 2016-17 (up to Feb.'2017)

Region	State	NAME OF THE STATION	Installed Capacity as on 28.02.2017 (in MW)	Generation during 2016-17 (upto-Feb. 17)* (in MU)	PLF (%)		
NR	DELHI	BADARPUR TPS	705	1703.15	30.14		
		I.P.CCPPP	270	638.6	29.51		
		PRAGATI CCGT-III	1500	1834.2	15.25		
		PRAGATI CCGP	330.4	1711.93	64.64		
		RAJGHAT TPS	135	0	0		
		RITHALA CCGP	108	0	0		
HARYANA	HARYANA	FARIDABAD CCGP	431.59	927.33	26.8		
		INDIRA GANDHI STPP	1500	4939.18	41.08		
		MAHATMA GANDHI TPS	1320	2809.96	26.56		
		PANIPAT TPS	920	2075.46	28.14		
		RAJIV GANDHI TPS	1200	3806.83	39.58		
		YAMUNA NAGAR TPS	600	3221.28	66.98		
		JAMMU AND KASHMIR	PAMPORE GPS (Liq.)	175	0	0	
PUNJAB	PUNJAB	GH TPS (LEH.MOH.)	920	2692.05	36.5		
		GND TPS(BHATINDA)	440	698.58	19.81		
		GOINDWAL SAHIB TPP	540	223.91	4.74		
		RAJPURA TPP	1400	8621.82	76.83		
		ROPAR TPS	1260	2755	27.28		
		TALWANDI SABO TPP	1980	6600.65	48.1		
		RAJASTHAN	ANTA CCGP	419.33	614.29	18.28	
RAJASTHAN	RAJASTHAN	BARSINGSAR LIGNITE	250	1307.4	65.24		
		CHHABRA TPP	1000	6193.11	77.26		
		DHOLPUR CCGP	330	124.84	4.72		
		GIRAL TPS	250	0	0		
		JALIPA KAPURDI TPP	1080	6173.23	71.31		
		KALISINDH TPS	1200	5265.53	54.74		
		KAWAI TPS	1320	7370.08	69.65		
		KOTA TPS	1240	7068.93	71.12		
		RAMGARH CCGP	273.8	1287.56	58.66		
		SURATGARH TPS	1500	4308.41	35.83		
		UTTAR PRADESH	ANPARA C TPS	1200	7881.54	81.94	
		UTTAR PRADESH	UTTAR PRADESH	ANPARA TPS	2630	13453.84	69.61
				AURAIYA CCGP	663.36	472.07	8.88
				BARKHERA TPS	90	390.92	54.19
DADRI (NCTPP)	1820			8281.85	56.77		
DADRI CCGP	829.78			2126.09	31.96		
HARDUAGANJ TPS	665			3632.74	68.15		
KHAMBARKHERA TPS	90			373.71	51.8		
KUNDARKI TPS	90			460.8	63.87		
LALITPUR TPS	1980			3212.51	35.7		
MAQSOODPUR TPS	90			415.66	57.62		
OBRA TPS	1278			3403.86	33.23		
PANKI TPS	210			755.46	44.88		
PARICHA TPS	1140			5893.29	64.49		
PRAYAGRAJ TPP	1320			3914.63	47.99		
RIHAND STPS	3000	19884.17	82.69				
ROSA TPP Ph-I	1200	7582.77	78.83				
SINGRAULI STPS	2000	13846.27	86.37				
TANDA TPS	440	2954.06	83.75				
UNCHAHR TPS	1050	6373.36	75.72				
UTRAULA TPS	90	413.54	57.32				

	UTTARAKHAND	GAMA CCPP	225	423.31	36.98
		KASHIPUR CCPP	225	363.59	56.11
WR	CHHATTISGARH	AKALTARA TPS	1200	5912.37	61.46
		AVANTHA BHANDAR	600	2505.42	52.09
		BALCO TPS	600	2874.48	59.77
		BANDAKHAR TPP	300	1188.14	49.41
		BARADARHA TPS	1200	6533.39	67.92
		BHILAI TPS	500	3325.92	82.98
		CHAKABURA TPP	30	223.72	93.03
		DSPM TPS	500	3773.59	94.15
		KASAIPALLI TPP	270	1887.92	87.23
		KATGHORA TPP	35	0	0
		KORBA STPS	2600	18482.37	88.68
		KORBA-II	200	845.21	52.72
		KORBA-III	240	1291.76	67.14
		KORBA-WEST TPS	1340	8355.47	77.79
		MARWA TPS	1000	2124.75	29.54
		NAWAPARA TPP	300	620.71	45.03
		OP JINDAL TPS	1000	4031.21	50.29
		PATHADI TPP	600	4034.41	83.88
		RAIKHEDA TPP	1370	553.85	6.69
		RATIJA TPS	100	367.28	71.67
		SALORA TPP	135	0	0
		SIPAT STPS	2980	21574.37	90.32
		SVPL TPP	63	265.65	52.6
		SWASTIK KORBA TPP	25	0	0
		TAMNAR TPP	2400	4352.91	29.45
		UCHPINDA TPP	720	100.05	1.73
	GOA	GOA CCPP (Liq.)	48	0	0
	GUJARAT	AKRIMOTA LIG TPS	250	1252.01	62.48
		BARODA CCPP	160	135.09	10.53
		BHAVNAGAR CFBC TPP	250	52.15	0
		DGEN MEGA CCPP	1200	1.02	0.01
		DHUVARAN CCPP	594.72	261.54	5.49
		ESSAR CCPP	515	0	0
		GANDHAR CCPP	657.39	2070.33	39.29
		GANDHI NAGAR TPS	630	1970.13	28.92
		HAZIRA CCPP	156.1	24.32	1.94
		HAZIRA CCPP EXT	351	201.71	7.17
		KAWAS CCPP	656.2	1507.75	28.66
		KUTCH LIG. TPS	290	1351.85	58.15
		MUNDRA TPS	4620	28128.37	75.95
		MUNDRA UMTTP	4000	24546.15	76.55
		PEGUTHAN CCPP	655	271.47	5.17
		PIPAVAV CCPP	702	229.99	4.09
		SABARMATI (C STATION)	60	0	0
		SABARMATI (D-F STATIONS)	362	2529.43	87.17
		SALAYA TPP	1200	5060.77	52.61
		SIKKA REP. TPS	740	1842.1	31.05
		SUGEN CCPP	1147.5	4524.48	49.19
		SURAT LIG. TPS	500	2881.06	71.88
		UKAI TPS	1350	4867.53	44.98
		UNOSUGEN CCPP	382.5	0	0
		UTRAN CCPP	518	136.67	3.29
		WANAKBORI TPS	1470	3381.65	28.7
	MADHYA PRADESH	AMARKANTAK EXT TPS	210	1332.93	79.18
		ANUPPUR TPP	1200	3430.7	35.67
		BINA TPS	500	682.72	17.03
		MAHAN TPP	600	2333.93	48.53
		NIGRI TPP	1320	6906.61	65.27

		NIWARI TPP	45	211.77	58.71
		SANJAY GANDHI TPS	1340	6177	57.51
		SASAN UMTTP	3960	26845.47	84.57
		SATPURA TPS	1330	3282.12	30.79
		SEIONI TPP	600	303.42	5.78
		SHRI SINGHAJI TPP	1200	2378.2	24.72
		VINDHYACHAL STPS	4760	28887.51	75.71
	MAHARASHTRA	AMARAVATI TPS	1350	1777.83	16.43
		BELA TPS	270	0	0
		BHUSAWAL TPS	1420	5444.13	47.83
		BUTIBORI TPP	600	3424.84	71.21
		CHANDRAPUR(MAHARA SHTRA)	2920	13642.32	65.14
		DAHANU TPS	500	3411.11	85.11
		DHARIWAL TPP	600	1407.03	29.25
		EMCO WARORA TPS	600	3318.87	69.01
		GEPL TPP Ph-I	120	0	0
		JSW RATNAGIRI TPP	1200	6155.47	63.99
		KHAPARKHEDA TPS	1340	7171.6	66.77
		KORADI TPS	2600	5118.54	36.27
		MANGAON CCPP	388	215.44	10.91
		MAUDA TPS	1660	3436.2	39.3
		MIHAN TPS	246	0	0
		NASIK (P) TPS	540	0.86	0
		NASIK TPS	630	3070.84	60.81
		PARAS TPS	500	2751.5	68.65
		PARLI TPS	1170	1258.76	15.61
		RATNAGIRI CCPP I	740	0	0
		RATNAGIRI CCPP II	740	2440.93	41.15
		RATNAGIRI CCPP III	740	1715.29	28.92
		TIRORA TPS	3300	15472.42	58.49
		TROMBAY CCPP	180	1275.18	88.38
		TROMBAY TPS	1250	4527.67	40.71
		URAN CCPP	672	2975.5	55.24
		WARDHA WARORA TPP	540	1304.18	30.13
SR	ANDHRA PRADESH	DAMODARAM SANJEEVAIAH TPS	1600	7990.4	62.3
		Dr. N.TATA RAO TPS	1760	10642.65	75.44
		GAUTAMI CCPP	464	0	0
		GMR Energy Ltd - Kakinada	220	0	0
		GODAVARI CCPP	208	916.55	54.97
		GREL CCPP (Rajahmundry)	768	643.51	10.45
		JEGURUPADU PHASE I CCPP	235.4	836.1	44.31
		JEGURUPADU PHASE II CCPP	220	75.08	4.26
		KONASEEMA CCPP	445	0	0
		KONDAPALLI EXTN CCPP .	366	157.32	5.36
		KONDAPALLI CCPP	350	747	26.63
		KONDAPALLI ST-3 CCPP	742	1266.11	21.29
		LVS POWER DG	36.8	0	0
		PAINAMPURAM TPP	1320	8119.61	76.74
		PEDDAPURAM CCPP	220	0	0
		RAYALASEEMA TPS	1050	6052.39	71.91
		SGPL TPP	1320	997.14	59.5
		SIMHADRI	2000	12874.06	80.3
		SIMHAPURI TPS	600	1572.79	32.7
		THAMMINAPATNAM TPS	300	1214.83	50.52
		VEMAGIRI CCPP	370	305.33	10.29

		VIJESWARAN CCPP	272	637.87	29.26
		VIZAG TPP	1040	2790.52	35.93
	KARNATAKA	BELLARY DG	25.2	0	0
		BELLARY TPS	1700	6108.8	69.8
		KUDGI STPP	800	0	0
		RAICHUR TPS	1720	10353.92	75.1
		TORANGALLU TPS(SBU-I)	260	1525.17	73.18
		TORANGALLU TPS(SBU-II)	600	2317.61	48.19
		UDUPI TPP	1200	7261.87	75.49
		YELHANKA (DG)	127.92	0	0
		YERMARUS TPP	800	107.95	0
	KERALA	BRAMHAPURAM DG	63.96	5.49	0
		COCHIN CCPP (Liq.)	174	0	0
		KOZHIKODE DG	96	41.43	0
		R. GANDHI CCPP (Liq.)	359.58	15.4	0.53
	PUDUCHERRY	KARAIKAL CCPP	32.5	224.95	86.35
	TAMIL NADU	B. BRIDGE D.G	200	0	0
		BASIN BRIDGE GT (Liq.)	120	10.42	1.08
		ENNORE TPS	340	191.99	5.43
		ITPCL TPP	1200	4224.78	45.91
		KARUPPUR CCPP	119.8	442.64	46.09
		KOVIKALPAL CCPP	107.88	325.05	37.59
		KUTTALAM CCPP	100	348.83	43.52
		METTUR TPS	1440	8221.55	71.23
		MUTHIARA TPP	1200	3479.3	36.17
		NEYVELI (EXT) TPS	420	3015.25	89.56
		NEYVELI TPS- I	600	3328.95	69.21
		NEYVELI TPS(Z)	250	954.56	47.63
		NEYVELI TPS-II	1470	10005.11	84.91
		NEYVELI TPS-II EXP	500	1297	32.36
		NORTH CHENNAI TPS	1830	9017.89	61.47
		P.NALLUR CCPP	330.5	189.35	7.15
		SAMALPATTI DG	105.7	0	0
		SAMAYANALLUR DG	106	12.01	0
		TUTICORIN (JV) TPP	1000	5688.81	70.97
		TUTICORIN (P) TPP	300	23.62	0.98
		TUTICORIN TPS	1050	5162.53	61.34
		VALANTARVY CCPP	52.8	350.32	82.77
		VALLUR TPP	1500	8260.35	68.7
		VALUTHUR CCPP	186.2	863.83	57.87
	TELANGANA	KAKATIYA TPS	1100	5900.66	66.92
		KOTHAGUDEM TPS	720	3544.74	61.42
		KOTHAGUDEM TPS (NEW)	1000	5879.99	73.35
		RAMAGUNDEM - B TPS	62.5	410.46	81.93
		RAMAGUNDEM STPS	2600	17754.49	85.19
		SINGARENI TPP	1200	3323.18	0
ER	ANDAMAN NICOBAR	AND. NICOBAR DG	40.05	184.97	0
	BIHAR	BARAUNI TPS	210	111.46	6.62
		BARH II	1320	6889.98	65.12
		KAHALGAON TPS	2340	14448.53	77.03
		MUZAFFARPUR TPS	415	726.88	41.19
		NABI NAGAR TPP	250	0	0
	DVC	BOKARO `B` TPS	630	1440.34	28.52
		BOKARO TPS `A` EXP	500	0	0
		CHANDRAPURA(DVC) TPS	760	5197.95	66
		DURGAPUR STEEL TPS	1000	6051.75	75.5
		DURGAPUR TPS	210	492.84	20.96
		KODARMA TPP	1000	3479.54	43.41
		MEJIA TPS	2340	11679.98	62.27
		RAGHUNATHPUR TPP	1200	1825.18	18.97

	JHARKHAND	JOJOBERA TPS	360	2172.22	75.27
		MAHADEV PRASAD STPP	540	3018.42	69.73
		MAITHON RB TPP	1050	6742.71	80.11
		PATRATU TPS	455	385.88	8.44
		TENUGHAT TPS	420	1297.23	38.53
	ORISSA	DERANG TPP	1200	6092.15	63.33
		IB VALLEY TPS	420	2930.4	87.04
		KAMALANGA TPS	1050	5449.18	64.74
		STERLITE TPP	2400	7453.66	38.74
		TALCHER (OLD) TPS	460	3423.99	92.86
		TALCHER STPS	3000	20813	86.55
		UTKAL TPP(IND BARATH)	350	0	0
	WEST BENGAL	BAKRESWAR TPS	1050	6383.15	75.84
		BANDEL TPS	450	1661.63	46.06
		BUDGE BUDGE TPS	750	4920.18	81.84
		CHINAKURI TPS	30	0	0
		D.P.L. TPS	660	1959.73	37.04
		FARAKKA STPS	2100	12559.16	74.61
		HALDIA GT (Liq.)	40	0	0
		HALDIA TPP	600	3693.78	76.8
		KASBA GT (Liq.)	40	0	0
		KOLAGHAT TPS	1260	5678.32	56.22
		SAGARDIGHI TPS	1600	4416.03	70.23
		SANTALDIH TPS	500	3311.97	48.57
		SOUTHERN REPL. TPS	135	381.33	35.24
		TITAGARH TPS	240	232.81	12.1
NER	ASSAM	BONGAIGAON TPP	250	1517.71	75.73
		CHANDRAPUR(ASSAM) TPS	60	0	0
		KATHALGURI CCPP	291	1442.06	61.82
		LAKWA GT	142.2	813.39	65.07
		NAMRUP CCPP	181.25	319.57	30.67
	MANIPUR	LEIMAKHONG DG	36	0	0
	TRIPURA	AGARTALA GT	135	833.04	82.68
		BARAMURA GT	58.5	173.12	36.92
		MONARCHAK CCPP	101	127.34	15.73
		ROKHIA GT	111	406.88	45.73
		TRIPURA CCPP	726.6	3758.05	64.52
Total Thermal (All India)			215124.01	902951.76	59.93
* PROVISIONAL BASED ON ACTUAL-CUM-ASSESSMENT					
Note:	1. Generation includes generation from plants 25 MW & above capacity only.				
	2. Figures given above indicate gross generation of all power stations(Central, State& Private Sector) located geographically in the respective State/UT.				

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PARTS (d) & (e) OF UNSTARRED QUESTION NO. 4621 TO BE ANSWERED IN THE LOK SABHA ON 30.03.2017.

The details of Power Projects under construction in Uttar Pradesh

Sl. No.	Sector/Project Name	Implementing Agency	Unit No.	Unit Cap (MW)	Ant. Comm. Date
Central Sector					
1	Ghatampur TPP	Joint Venture of NLC & UPRVUNL	1	660	11/2020
			2	660	05/2021
			3	660	09/2021
2	Meja TPP	MejaUrja Nigam Pvt. Ltd	1	660	06/2017
			2	660	12/2017
3	Unchahar TPS Extn. St.IV	NTPC	1	500	06/2017
4	Tanda-II STPP	NTPC	1	660	09/2018
			2	660	03/2019
State Sector					
1	Harduaganj TPP	UPRVUNL	1	660	06/2019
2	Jawaharpur STPP	JVUNL	1	660	12/2020
			2	660	04/2021
3	Obra -C TPP	UPRVUNL	1	660	12/2020
			2	660	04/2021
Private Sector					
	Prayagraj TPP	Prayagraj Power Generation Co. Ltd.	2	660	04/2017
		Total		9080	
