

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.5501
TO BE ANSWERED ON 06.04.2017**

POWER PLANTS

5501. SHRI KONAKALLA NARAYANA RAO:

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

- (a) the number of existing thermal power plants in the country along with their capacity, sector-wise;**
- (b) whether this Government plans to commission any new Thermal Power Plants in the country, especially in the areas of Beedar & Yadadri;**
- (c) if so, the details thereof;**
- (d) if not, the reasons therefor; and**
- (e) the conditions required to be fulfilled in order to set up thermal power plants?**

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 existing thermal power plants in the country is 270, with a total installed capacity of 215214.88 MW as on 28.02.2017 (including 7 power plants having a capacity of less than 25 MW).

The detailed sector wise list of thermal power plants along with their capacity is given at Annex-I.

(b) to (d) : After enactment of the Electricity Act 2003, generation of electricity has been de-licensed. Techno-Economic Clearance of Central Electricity Authority (CEA) is not required for setting up of thermal power projects and proposals for setting up of thermal power projects in the country are not being received in CEA.

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However, as per information available in CEA, list of thermal power plants proposed to be set up in the country is given at Annex-II.

(e) : Developer of the thermal power plant is required to tie up various clearances like Land, Water, Environment, Fuel, National Airport Authority, Power Purchase Agreement etc.

It has been envisaged that all coal fired capacity addition for power generation during the 13th Plan period onwards shall be through supercritical units.

Also, an advisory has been issued by the CEA to all Central/State sector power generating companies, with a view to encouraging indigenous manufacturing of thermal power plant equipment based on supercritical technology. They may incorporate the condition of setting up of phased indigenous manufacturing facilities in the bids to be invited for boilers and turbine-generators of supercritical projects. The advisory is valid up to January, 2020.

ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 5501 TO BE ANSWERED IN THE LOK SABHA ON 06.04.2017.

Sector-wise Installed Capacity of Thermal Power Plants as on 28.02.2017

Sl. No.	Region	State	Sector	Name of Project	Installed Capacity (MW)
1	Northern	Delhi	Central Sector	BADARPUR TPS	705.00
2			Private Sector	RITHALA CCPP	108.00
3			State Sector	I.P.CCPP	270.00
4				PRAGATI CCGT-III	1500.00
5				PRAGATI CCPP	330.40
6				RAJGHAT TPS	135.00
7		Haryana	Central Sector	FARIDABAD CCPP	431.59
8				INDIRA GANDHI STPP	1500.00
9			Private Sector	MAHATMA GANDHI TPS	1320.00
10			State Sector	PANIPAT TPS	920.00
11				RAJIV GANDHI TPS	1200.00
12				YAMUNA NAGAR TPS	600.00
13		Jammu & Kashmir	State Sector	PAMPURE GPS (Liq.)	175.00
14		Punjab	Private Sector	GOINDWAL SAHIB	540.00
15				Nabhan TPP (Rajpura TPP)	1400.00
16				TALWANDI SABO TPP	1980.00
17			State Sector	GH TPS (LEH.MOH.)	920.00
18				GND TPS(BHATINDA)	440.00
19				Rice Straw(Jalkheri)	10.00
20				ROPAR TPS	1260.00
21		Rajasthan	Central Sector	Anta CCPP	419.33
22				BARSINGSAR LIGNITE	250.00
23			Private Sector	JALIPA KAPURDI TPP	1080.00
24				KAWAI TPS	1320.00
25			State Sector	CHHABRA TPP	1000.00
26				DHOLPUR CCPP	330.00
27				GIRAL TPS	250.00
28				KALISINDH TPS	1200.00
29				KOTA TPS	1240.00
30				RAMGARH CCPP	273.80
31				SURATGARH TPS	1500.00
32		Uttar Pradesh	Central Sector	AURAIYA CCPP	663.36
33				DADRI (NCTPP)	1820.00
34				DADRI CCPP	829.78
35				RIHAND STPS	3000.00
36				SINGRAULI STPS	2000.00
37				TANDA TPS	440.00
38				UNCHAHAH TPS	1050.00
39			Private Sector	ANPARA C TPS	1200.00
40				BARKHERA TPS	90.00
41				KHAMBARKHERA TPS	90.00
42				KUNDARKI TPS	90.00
43				LALITPUR TPS	1980.00
44				MAQSOODPUR TPS	90.00
45				PRAYAGRAJ TPP	1320.00
46				ROSA TPP Ph-I	1200.00
47				UTRAULA TPS	90.00
48			State Sector	ANPARA TPS	2630.00
49				HARDUAGANJ TPS	665.00
50				OBRA TPS	1278.00

51				PANKI TPS	210.00
52				PARICHHA TPS	1140.00
53		Uttarakhand	Private Sector	GAMA CCPP	225.00
54				KASHIPUR CCPP	225.00
55	Western	Chhattisgarh	Central Sector	BHILAI TPS	500.00
56				KORBA STPS	2600.00
57				SIPAT STPS	2980.00
58			Private Sector	AKALTARA TPS	1200.00
59				AVANTHA BHANDAR	600.00
60				BALCO TPS	600.00
61				BANDAKHAR TPP	300.00
62				BARADARHA TPS	1200.00
63				CHAKABURA TPP	30.00
64				KASAIPALLI TPP	270.00
65				KATGHORA TPP	35.00
66				NAWAPARA TPP	300.00
67				OP JINDAL TPS	1000.00
68				PATHADI TPP	600.00
69				RAIKHEDA TPP	1370.00
70				RATIJA TPS	100.00
71				SALORA TPP	135.00
72				SVPL TPP	63.00
73				SWASTIK KORBA TPP	25.00
74				TAMNAR TPP	2400.00
75				UCHPINDA TPP	720.00
76			State Sector	DSPM TPS	500.00
77				KORBA-II	200.00
78				KORBA-III	240.00
79				KORBA-WEST TPS	1340.00
80				MARWA TPS	1000.00
81		Goa	Private Sector	GOA CCPP (Liq.)	48.00
82		Gujarat	Central Sector	GANDHAR CCPP	657.39
83				KAWAS CCPP	656.20
84			Private Sector	BARODA CCPP	160.00
85				DGEN MEGA CCPP	1200.00
86				ESSAR CCPP	515.00
87				MUNDRA TPS	4620.00
88				MUNDRA UMTTP	4000.00
89				PEGUTHAN CCPP	655.00
90				SABARMATI (C STATION)	60.00
91				SABARMATI (D-F STATIONS)	362.00
92				SALAYA TPP	1200.00
93				SUGEN CCPP	1147.50
94				SURAT LIG. TPS	500.00
95				UNOSUGEN CCPP	382.50
96			State Sector	AKRIMOTA LIG TPS	250.00
97				BHAVNAGAR CFBC TPP	250.00
98				DHUVARAN CCPP	594.72
99				GANDHI NAGAR TPS	630.00
100				HAZIRA CCPP	156.10
101				HAZIRA CCPP EXT	351.00
102				KUTCH LIG. TPS	290.00
103				PIPAVAV CCPP	702.00
104				SIKKA REP. TPS	740.00
105				UKAI TPS	1350.00
106				UTRAN CCPP	518.00
107				WANAKBORI TPS	1470.00
108		Madhya Pradesh	Central Sector	VINDHYACHAL STPS	4760.00
109			Private Sector	ANUPPUR TPP	1200.00
110				BINA TPS	500.00
111				MAHAN TPP	600.00
112				NIGRI TPP	1320.00

113				NIWARI TPP	45.00
114				SASAN UMTTP	3960.00
115				SEIONI TPP	600.00
116			State Sector	AMARKANTAK EXT TPS	210.00
117				SANJAY GANDHI TPS	1340.00
118				SATPURA TPS	1330.00
119				SHRI SINGHAJI TPP	1200.00
120		Maharashtra	Central Sector	MAUDA TPS	1660.00
121				RATNAGIRI CCPP I	740.00
122				RATNAGIRI CCPP II	740.00
123				RATNAGIRI CCPP III	740.00
124			Private Sector	AMARAVATI TPS	1350.00
125				BELA TPS	270.00
126				BUTIBORI TPP	600.00
127				DAHANU TPS	500.00
128				DHARIWAL TPP	600.00
129				EMCO WARORA TPS	600.00
130				GEPL TPP Ph-I	120.00
131				JSW RATNAGIRI TPP	1200.00
132				MANGAON CCPP	388.00
133				MIHAN TPS	246.00
134				NASIK (P) TPS	540.00
135				TIRORA TPS	3300.00
136				TROMBAY CCPP	180.00
137				TROMBAY TPS	1250.00
138				WARDHA WARORA TPP	540.00
139			State Sector	BHUSAWAL TPS	1420.00
140				CHANDRAPUR(MAHARASHTRA) STPS	2920.00
141				KHAPARKHEDA TPS	1340.00
142				KORADI TPS	2600.00
143				NASIK TPS	630.00
144				PARAS TPS	500.00
145				PARLI TPS	1170.00
146				URAN CCPP	672.00
147	Southern	Andhra Pradesh	Central Sector	SIMHADRI	2000.00
148			Private Sector	GAUTAMI CCPP	464.00
149				GMR Energy Ltd - Kakinada	220.00
150				GODAVARI CCPP	208.00
151				GREL CCPP (Rajahmundry)	768.00
152				JEGURUPADU CCPP Ph II	220.00
153				KONASEEMA CCPP	445.00
154				KONDAPALLI EXTN CCPP	366.00
155				KONDAPALLI CCPP	350.00
156				KONDAPALLI ST-3 CCPP	742.00
157				LVS POWER DG	36.80
158				PAINAMPURAM TPP	1320.00
159				PEDDAPURAM CCPP	220.00
160				SGPL TPP	1320.00
161				SIMHAPURI TPS	600.00
162				THAMMINAPATNAM TPS	300.00
163				VEMAGIRI CCPP	370.00
164				VIJESWARAM CCPP	272.00
165				VIZAG TPP	1040.00
166			State Sector	DAMODARAM SANJEEVAIAH TPS	1600.00
167				Dr. N.TATA RAO TPS	1760.00
168				JEGURUPADU CCPP Ph I	235.40
169				RAYALASEEMA TPS	1050.00
170		Karnataka	Central Sector	KUDGI STPP	800.00
171				BELLARY DG	25.20
172				TORANGALLU TPS(SBU-I)	260.00

173				TORANGALLU TPS(SBU-II)	600.00
174				UDUPI TPP	1200.00
175			State Sector	BELLARY TPS	1700.00
176				RAICHUR TPS	1720.00
177				YELHANKA (DG)	127.92
178				YERMARUS TPP	800.00
179		Kerala	Central Sector	R. GANDHI CCPP (Liq.)	359.58
180			Private Sector	COCHIN CCPP (Liq.)	174.00
181			State Sector	BRAMHAPURAM DG	63.96
182				KOZHICODE DG	96.00
183		Puducherry	State Sector	KARAIKAL CCPP	32.50
184		Tamil Nadu	Central Sector	NEYVELI (EXT) TPS	420.00
185				NEYVELI TPS- I	600.00
186				NEYVELI TPS- II	1470.00
187				NEYVELI TPS-II EXP	500.00
188				TUTICORIN (JV) TPP	1000.00
189				VALLUR TPP	1500.00
190			Private Sector	B. BRIDGE D.G	200.00
191				ITPCL TPP	1200.00
192				KARUPPUR CCPP	119.80
193				MUTHIARA TPP	1200.00
194				NEYVELI TPS(Z)	250.00
195				P.NALLUR CCPP	330.50
196				SAMALPATTI DG	105.70
197				SAMAYANALLUR DG	106.00
198				TUTICORIN (P) TPP	300.00
199				VALANTARVY CCPP	52.80
200			State Sector	BASIN BRIDGE GT (Liq.)	120.00
201				ENNORE TPS	340.00
202				KOVIKALPAL CCPP	107.88
203				METTUR TPS	1440.00
204				NARIMANAM GPS	10.00
205				NORTH CHENNAI TPS	1830.00
206				TUTICORIN TPS	1050.00
207				VALUTHUR CCPP	186.20
208				TANGEDCO	100.00
209		Telangana	Central Sector	RAMAGUNDEM STPS	2600.00
210			State Sector	KAKATIYA TPS	1100.00
211				KOTHAGUEM TPS	720.00
212				KOTHAGUEM TPS (NEW)	1000.00
213				RAMAGUNDEM - B TPS	62.50
214				SINGARENI TPP	1200.00
215	Eastern	A & N Islands	State Sector	AND. NICOBAR DG	40.05
216		Bihar	Central Sector	BARH II	1320.00
217				KAHALGAON TPS	2340.00
218				MUZAFFARPUR TPS	415.00
219				NABI NAGAR TPP	250.00
220			State Sector	BARAUNI TPS	210.00
221		Jharkhand	Central Sector	BOKARO `B` TPS	630.00
222				BOKARO TPS `A` EXP	500.00
223				CHANDRAPURA(DVC) TPS	760.00
224				KODARMA TPP	1000.00
225			Private Sector	JOJOBERA TPS	360.00
226				MAHADEV PRASAD STPP	540.00
227				MAITHON RB TPP	1050.00
228			State Sector	PATRATU TPS	455.00
229				TENUGHAT TPS	420.00
230		Odisha	Central Sector	TALCHER (OLD) TPS	460.00
231				TALCHER STPS	3000.00
232			Private Sector	DERANG TPP	1200.00
233				IND BARATH TPP	350.00

234				KAMALANGA TPS	1050.00
235				STERLITE TPP	2400.00
236			State Sector	IB VALLEY TPS	420.00
237		West Bengal	Central Sector	DURGAPUR STEEL TPS	1000.00
238				DURGAPUR TPS	210.00
239				FARAKKA STPS	2100.00
240				MEJIA TPS	2340.00
241				RAGHUNATHPUR TPP	1200.00
242			Private Sector	BUDGE BUDGE TPS	750.00
243				CHINAKURI TPS	30.00
244				Dishergarh TPS	18.00
245				HALDIA TPP	600.00
246				Seebpore TPS	8.38
247				SOUTHERN REPL. TPS	135.00
248				TITAGARH TPS	240.00
249			State Sector	BAKRESWAR TPS	1050.00
250				BANDEL TPS	450.00
251				D.P.L. TPS	660.00
252				HALDIA GT (Liq.)	40.00
253				KASBA GT (Liq.)	40.00
254				KOLAGHAT TPS	1260.00
255				SAGARDIGHI TPS	1600.00
256				SANTALDIH TPS	500.00
257				SILIGURI GPS	20.00
258	North Eastern	Assam	Central Sector	BONGAIGAON TPP	250.00
259				Kathalguri CCPP	291.00
260			Private Sector	Adamtilla CCPP	9.00
261				Baskhandi CCPP	15.50
262			State Sector	CHANDRAPUR(ASSAM)	60.00
263				LAKWA GT	142.20
264				NAMRUP CCPP	181.25
265		Manipur	State Sector	LEIMAKHONG DG	36.00
266		Tripura	Central Sector	AGARTALA GT	135.00
267				MONARCHAK CCPP	101.00
268				TRIPURA CCPP	726.60
269			State Sector	BARAMURA GT	58.50
270				ROKHIA GT	111.00
	All India				215214.88

ANNEX REFERRED TO IN REPLY TO PARTS (b) TO (d) OF UNSTARRED QUESTION NO. 5501 TO BE ANSWERED IN THE LOK SABHA ON 06.04.2017.

List of Coal based Thermal Power Projects proposed to be set up in the country by various Central/State Sector

Sl. No.	Name of Project	State	Sector	Capacity (MW)
1	Yadadri TPS (Telangana State Power Generation Corporation Limited)	Telangana	State Sector	4000
2	Singareni Unit – 3 (Singareni Collieries Co. Ltd.)	Telangana	State Sector	660
3	Srikakulam TPS (Andhra Pradesh Power Generation Corporation Ltd.)	Andhra Pradesh	State Sector	2400
4	Margherita TPP (Assam Power Generation Corporation Ltd.)	Assam	State Sector	660
5	Godhna TPP (Karnataka Power Corporation Ltd)	Chhattisgarh	State Sector	1600
6	Sinor TPP Unit – 2 (Gujarat State Electricity Corporation Ltd.)	Gujarat	State Sector	800
7	Duwasan TPP (Gujarat State Electricity Corporation Ltd.)	Gujarat	State Sector	1600
8	Panipat TPP U-9 (Haryana Power Generation Corp Ltd)	Haryana	State Sector	660
9	Patratu TPS Expansion Phase - I (Jharkhand Urja Utpadan Nigam Ltd.)	Jharkhand	State Sector	2400
10	Tenughat TPS Expansion (Tenughat Vidyut Nigam Ltd.)	Jharkhand	State Sector	1320
11	Edlapur (Karnataka Power Corporation Ltd)	Karnataka	State Sector	800
12	Satpura TPS (Madhya Pradesh Power Generation Company Ltd)	Madhya Pradesh	State Sector	1320
13	Nasik TPS (Maharashtra State Power Generation Company Ltd.)	Maharashtra	State Sector	660
14	Bhusawal TPP U-6 (Maharashtra State Power Generation Company Ltd.)	Maharashtra	State Sector	660
15	Kamkhaya TPP (Odisha Thermal Power Corporation Ltd.)	Odisha	State Sector	2400
16	Ennore TPS Replacement (TANGEDCO)	Tamil Nadu	State Sector	660
17	Udangudi TPP St-I	Tamil Nadu	State Sector	1320
18	Uppur TPP	Tamil Nadu	State Sector	1600
19	Obra 'C' TPP (UPRVUNL)	Uttar Pradesh	State Sector	1320
20	Panki Extn. (UPRVUNL)	Uttar Pradesh	State Sector	660
21	Jawaharpur TPP (UPRVUNL)	Uttar Pradesh	State Sector	1320
22	Sagardighi (WBPDC)	West Bengal	State Sector	660
23	Bakreshwar TPP (WBPDC)	West Bengal	State Sector	660
24	Santaldih TPP (WBPDC)	West Bengal	State Sector	1600
25	Khurja TPP (THDCIL)	Uttar Pradesh	Central Sector	1320
26	Bilhaur TPP (NTPC)	Uttar Pradesh	Central Sector	1320
27	Bareilly TPP (NTPC)	Madhya Pradesh	Central Sector	2640
28	Pudimadka (NTPC)	Andhra Pradesh	Central Sector	4000
29	Katwa TPP (NTPC)	West Bengal	Central Sector	1320
30	Bithnour TPP (NLC)	Rajasthan	Central Sector	250
31	Sirkali TPP (NLC)	Tamil Nadu	Central Sector	4000
32	Pit head Super Critical TPP by Mahanadi Basin Power Ltd. (a wholly owned subsidiary Company of MCL)	Odisha	Central Sector	1600
33	Pirpainti TPP (Pirpainti Bijlee Company Private Limited (JV of NHPC & BSPGCL)	Bihar	Central Sector	1320
34	Buxar TPP (SJVN Ltd.)	Bihar	Central Sector	1320
