

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.1276
TO BE ANSWERED ON 09.02.2017**

POWER PLANTS BY NTPC

**†1276. SHRI RAM KUMAR SHARMA:
SHRI J.C. DIVAKAR REDDY:**

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

- (a) the details of the power plants under National Thermal Power Corporation (NTPC) and the target fixed for power production and actual quantum of power being produced by them, Power Plant-wise;
- (b) whether NTPC is currently modernizing its power plants and if so, the details thereof, including the original construction cost of these plants and the cost of modernization, plant-wise;
- (c) the estimated increase in quantum of power to be produced by these plants as well as the likely increase in the cost of power production after renovation; and
- (d) whether the Union Government has assessed the future power requirements of the country and if so, the details thereof and the steps being taken for creating additional power to meet the requirements of various States?

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 requisite details of the Power Plants under National Thermal Power Corporation (NTPC) and the target fixed for power production and the actual quantum of power being produced by them is given at Annex-I.

(b) & (c) : NTPC has adopted need based Renovation schemes which are aimed at addressing the issues of technological obsolescence, compliance to statutory/environmental norms, life extension of components, sustenance of existing performance levels, etc. in its old power plants. The schemes are need based and do not envisage the augmentation of production capacity. Presently, complete modernization of a power plants is not envisaged.

(d) : Yes, Madam, Government has estimated the State/UT wise power consumption of electrical energy under 19th Electric Power Survey (EPS). The details of power required, year-wise from 2016-2017 to 2021-22 is given at Annex-II. As per the Draft National Electricity Policy (NEP), the expected Generation capacity would be around 523 GW by March 2022 (inclusive of 175 GW of capacity from Renewable Energy Sources). This is expected to meet the Peak Demand and Energy Demand of 2021-22.

ANNEX-I**ANNEX REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO.1276 TO BE ANSWERED IN THE LOK SABHA ON 09.02.2017.**

Generation target and actual gross generation

Sl. No	Coal Stations	CEA Generation target (MU) 2015-16	Actual Gross Gen(MU) 2015-16
1	Singrauli	15150	16271
2	Rihand	19750	21055
3	Unchahar	7900	7013
4	Tanda	3250	3130
5	Vindhyachal	29017	31321
6	Badarpur	3900	2241
7	Dadri	12800	10048
8	Mouda	4022	1876
9	Korba	19000	20429
10	Sipat	19950	22285
11	Ramagundam	19550	20250
12	Simhadri	14600	14470
13	Farakka	13400	12340
14	Kahalgaon	14900	15275
15	Barh	4112	4785
16	Talcher Kaniha	22400	23967
17	Talcher Thermal	3400	3764
18	Bongaigaon	496	117
	TOTAL COAL STATIONS	227597	230636
Sl. No	CCGT Stations		
1	Anta	1200	942
2	Auraiya	1900	1511
3	Dadri Gas	2300	2999
4	Faridabad	1200	1101
5	Kawas	1800	1212
6	Jhanor Gandhar	1650	962
7	Kayamkulam	500	143
	TOTAL CCGT STATIONS	10550	8870
Sl. No.	Solar Stations		
1	Dadri	-	7.02
2	Andaman & Nicobar	-	6.44
3	Ramagundam	-	16.04
4	Faridabad	-	6.85
5	Talcher	-	13.23
6	Unchahar	-	10.36
7	Rajgarh	-	82.76
8	Singrauli	-	19.89
	TOTAL SOLAR	-	162.59
	Koldam Hydro	890	2308
	Total NTPC	239037	241977

ANNEX REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO.1276 TO BE ANSWERED IN THE LOK SABHA ON 09.02.2017.

State/UT-wise Electrical Energy Requirement (ex-bus) from 2016-17 to 2021-22 (Utilities) (MU)						
State/UT	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
All- India (Electrical energy requirement)	11,60,429	12,40,760	13,17,962	13,99,913	14,83,257	15,66,023

State/UT-wise Peak Electricity Demand (ex-bus) from 2016-17 to 2021-22 (Utilities) (MW)						
State/UT	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
All - India (Peak Electricity Demand)	161,834	176,897	188,360	200,696	213,244	225,751
