

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:588
ANSWERED ON:28.02.2000
POWER GENERATION UNITS UNDER NTPC AND NHPC
ARUN KUMAR;NAWAL KISHORE RAI

Will the Minister of POWER be pleased to state:

- (a) the total number of power generation units functioning under NTPC and NHPC in the country by the end of December, 1999;
- (b) whether these power generation units generate less power than their average installed capacity; and
- (c) if so, the average percentage of capacity being utilised to generate power by each of these units annually alongwith the reasons for non-utilisation of the installed capacity?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRIMATI JAYAWANTI MEHTA)

(a) to (c) : Energy generation and plant load factor (PLF) target vis-a-vis actual for the year 1998-99 and 1999-2000 (upto December, 1999) of NTPC and NHPC stations is given in Annex. The actual PLF of NTPC stations during 1998-99 and April-December 1999 was 75.6% and 77.0% against targets of 70.4% and 67.1%, respectively. The national average PLF for the same year/period was 64.6% and 65.6%, respectively.

Energy generation at NHPC powerstations during the year 1998-99 and 1999-2000 (upto December 1999) was 9932 Million Units (MU) and 7347 MU against targets of 8520MU and 7852 MU, respectively. The reasons for less generation in NHPC stations were less inflows in the reservoirs and siltation in power channels in some power stations.

ANNEX REFERRED TO IN REPLY TO PARTS (a) TO (c) OF LOKSABHA UNSTARRED QUESTION NO. 588 FOR ANSWER ON 28.2.2000 REGARDING POWER GENERATION UNITS UNDER NTPC AND NHPC.

STATION-WISE ENERGY GENERATION AND PLANT LOAD FACTOR OF NTPC AND NHPC STATIONS.

Name of Station Installed 1998-99 1999-2000 (Upto Dec. '99)

Station Cap. (MW)

Target Actual % Target Actual %

ENERGY GENERATION (MU) /NTPC

Thermal

Badarpur	705	4300	4867	113.2	3153	3621	114.8
Singrauli	2000	15000	15814	105.4	10768	12241	113.7
Rihand	1000	7500	6815	90.9	4820	5471	113.5
Dadri Th.	840	5900	6728	114.0	4377	5301	121.1
Korba	2100	15500	15903	102.6	11146	11392	182.2
Vindhyachal	1760	8500	9810	115.4	7971	7069	88.7
Ramagundam	2100	16000	15863	99.1	10991	12284	111.8
Farakka	1600	5100	5470	107.3	3593	4659	129.8
Kahalgaoon	840	2670	3989	149.4	2282	3082	135.1
Talcher STPS	1000	3190	4318	135.4	2676	3648	136.3
Talcher Old	460	1800	2240	124.4	1488	1802	121.1
Unchahar	840	2840	3023	106.4	2819	2334	83.5

Gas based

Faridabad GT	286	0	0	0	0	565	0
Anta GT	419.3	2800	2926	104.5	2058	2377	115.5
Auraiya GT	663.3	3900	4157	106.6	2911	3808	130.8
Dadri GT	830	4000	5098	127.4	3023	3886	128.5
Kawas GT	656.2	2700	4354	161.3	1651	3439	208.3
Gandhar GT	657.4	2500	2165	86.6	1011	1826	180.6
Kayamkulam	350	0	0	0	1063	803	75.5

ENERGY GENERATION (MU) /NHPC

Bairasiul	180	750	750	100.0	625	294	47.0
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Chamera	540	1700	2362	138.9	1675	1831	109.3
Tanakpur@	120	420	480	114.3	369	354	95.9
Salal	690	2800	3254	115.5	2650	2894	109.2
Uri	480	2400	2575	107.3	2060	1606	78.0
Rangit	60	-	-	-	114	0	0
Loktak	105	450	531	118.0	359	368	102.5

: Units 3&4 of Unchahar are under stabilisation.

@ : Actual capacity 94.2 MW

ANNEX REFERRED TO IN REPLY TO PART (a) TO (c) OF LOKSABHA STARRED QUESTION NO. 588 FOR ANSWER ON 28.2.2000 REGARDING POWER GENERATION UNITS UNDER NTPC AND NHPC.

PLANT LOAD FACTOR OF NTPC STATIONS.

Name of Station (MW) Inst.Cap 1998-99 1999-2000 (Upto Dec`99)

Target Actual Target Actual

NTPC

Thermal

Badarpur	705	69.6	78.8	67.8	77.8
Singareni	2000	85.6	90.3	81.6	92.7
Rihand	1000	85.6	77.8	73.0	82.9
Dadri Th.	840	80.2	91.4	79.0	95.6
Korba	2100	84.3	86.4	80.4	82.2
Vindhyachal	1760	77.0	88.9	74.0	85.0
Ramagundam	2100	87.0	86.2	79.3	88.6
Farakka	1600	36.4	39.0	34.0	44.1
Kahalgaoon	840	36.3	54.2	41.2	55.6
Talcher STPS	1000	36.4	49.3	40.5	55.3
Talcher Old	460	44.7	55.6	49.0	59.4
Unchahar	840	77.2	82.2	67.8	81.0