

In addition to above, a representation was received in the Central Electricity Authority (CEA) from the Govt. of Assam regarding possible ramification of storing huge amount of water under **Dibang MPP (3000 MW)** in Arunachal Pradesh. As per NHPC, site specific seismic parameters for the project have been got studied and evaluated by Department of Earthquake Engineering, IIT, Roorkee and report stands submitted to National Committee on Seismic Design Parameters (NCSDP), Govt. of India, for approval. The Dam shall be designed based on seismic parameters as approved by NCSDP. Geological Survey of India (GSI) recommended to carry out dam break hazard analysis and risk management study of the downstream area as per the International practice.

A representation was received in CEA from Govt. of West Bengal regarding reduction in availability of water of Teesta river in West Bengal due to **Teesta-VI H. E. Project (4 x 125 = 500 MW)** in Sikkim which is under construction. Govt. of West Bengal was informed that this aspect was considered by CEA while according concurrence to the Teesta-VI H.E. Project. Further, Teesta-VI H.E. Project is located completely in Sikkim and, does not involve construction of any structure across Teesta river in the portion forming boundary with West Bengal. It is a Run-of-River scheme having limited pondage and does not involve any consumptive use of water.

Power supply by thermal power plants in Haryana

†2545. SHRI AJAY SINGH CHAUTALA: Will the Minister of POWER be pleased to state:

- (a) the number of thermal power plants established in the country during the last five years, location-wise;
- (b) the details of demand and supply of power in Haryana;
- (c) whether power demand in Haryana is met only by thermal plants of the State and the details of power generation in different thermal plants; and
- (d) the generation and supply of power during each of the last three years?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI BHARATSINH SOLANKI): (a) The year-wise & location-wise details of Thermal Power Projects established in the country during the last five years *i.e.* from 2004-05 to 2008-09 are given in the Statement (*See below*). The total TPS aggregating 17,634 MW has been commissioned during this period.

(b) The details of demand and supply of power in Haryana for the month of June, 2009 and during the period April to June, 2009 is given below:

	Energy June' 09	(In Million Unit) April'09- June'09
Energy Requirement	2834	7717
Energy Availability	2615	7313
Energy Shortage	219	404
Energy Shortage (%)	7.7 %	5.2%

†Original notice of the question was received in Hindi.

	Peak June'09*	(In Mega Watt) April'09- June'09 *
Peak Demand	6085	6085
Peak Met	5226	5226
Shortage	859	859
Shortage (%)	14.1%	14.1%

* Provisional

(c) The demand for power in Haryana is met, besides its own generation from thermal power plants of the State, from Central Sector Generating Stations in which Haryana has allocation. The details of power generation in Haryana in different thermal power stations in the State and Central Sector are given below:

2009-10 (April to June 2009)			
Sector	Station	Installed Capacity (MW)	Actual Generation (MU)
Central	Faridabad CCGP*	430	808.39
	Faridabad Extn.	110	139.58
	Panipat TPS	1360	2598.25
State	Yamuna Nagar TPS	600	953.64
	State Thermal (Total)	2070	3691.47

* NTPC project dedicated to Haryana.

CCGP: Combined Cycle Power Plant

(d) The actual generation in thermal power plants in Haryana during the last 3 years is given below:

Station	(Figures in Million Unit)		
	2006-07	2007-08	2008-09
Faridabad CCGP	2830.9	2642	2380.5
Faridabad ext.	616.29	713.85	501.21
Panipat	9908.43	9862.18	9598.52
Yamuna Nagar TPP		114.19	3404.4
TOTAL :	13355.62	13332.2	15884.6

Statement

Thermal capacity addition during the last five years

Sl. No.	Name of the Project/ Unit No.	State/ Implementing Agency	Capacity established (MW)
1	2	3	4
2004-05			
A. Central Sector			
1.	Ramagundam STPS St-III	U-7 Andhra Pradesh /	500
2.	Talcher STPP St-II	U-5 Orissa/ U-6 NTPC	500
3.	Meija TPS Extn.	U-4 West Bengal / DVC	210
Sub Total (A)			1710
B. State sector			
1.	TDL (Panipat) TPS	U-7 Haryana / U-8 HPGCL	250
2.	Bairabi DGPP	DG 1-4 Mizoram/ Power & Elecyp Deptt.	22.92
3.	Akrimota TPP	U-1 Gujarat/ GMDCL	125
4.	Rangat Bay DGPP	DG-1-2 A&N Islands / DG-3-5 A&NAdmn.	2.4 3.6
Sub Total (B):			653.92
C. Private sector			
1.	Karuppur CCPP	GT Tamil Nadu/A. P. Co. Ltd.	70
Sub Total (C):			70
Total (A+B+C):			2433.92
D. Unit Preponed			
Central Sector			
1.	Rihand STPS-II	U-3 Uttar Pradesh/ NTPC	500
Grand Total (A+B+C+D)			2933.92
2005-06			
A. Central Sector			
1.	Rihand STPS-II	U-4 Uttar Pradesh / NTPC	500
Sub Total (A)			500

1	2	3	4	
B. State Sector				
1.	Akrimota Lignite based TPP	U-2	Gujarat / GMDCL	125
2.	Dhuvaran CCGP Extn.	GT	Gujarat/ GSECL	72
3.	Rokhia GT Extn.	GT-8	Tripura/ Govt. of Tripura	21
4.	Parichha TPS Extn.	U-3	UP / UPRVUNL	210
			Sub Total (B):	428
C. Private Sector				
1.	Valantharvi GTPP	GT	Tamil Nadu / Arkay Energy	38.0
2.	Karuppur CCGP	ST	Tamil Nadu / Aban Power Co. Ltd.	49.8
3.	Jegrupadu CCGP Extn.	GT ST	AP/GVK Industries	140 80
4.	Vemagiri CCGP	GT	AP/ Vemagiri Power Gen. Ltd.	233
5.	Jojobera TPP	U-1	Jharkhand/ Tata Power	120
			Sub Total (C):	660.8
			Total (A+B+C)	1588.8

2006-07

A. Central Sector				
1.	Unchahar TPS-III	U-5	UP/NTPC	210
2.	Vindhyachal TPS-III	U-9	MP/NTPC	500
		U-10		500
3.	Kahalgaoon STPS-II (Ph-I)	U-5	Bihar/ NTPC	500
4.	Mejja TPC	U-5	WB/DVC	250
			Sub Total (A):	1960
B State Sector				
1.	Giral TPP	U-1	Rajasthan/ RRVUNL	125
2.	Dholpur CCGP (Ph-I)	GT-1	Rajasthan/ RRVUNL	110
3.	Parichha TPS Extn.	U-4	UP/UPRVUNL	210
4.	Korba East TPP St-V	U-1	Chhattis./ CSEB	250

1	2	3	4	
5.	New Parli TPS	U-1	Mah./MSPGCL	250
6.	Rayalaseema TPS-II	U-3	AP/APGENCO	210
			SubTotal (B):	1155
C Private sector				
1.	Ratnagiri CCPP (Dabhol)	Block-II	Mah. / Ratnagiri Gas & PP Ltd.	740
2.	Vemagiri CCPP	ST	AP/ Vemagiri Power Gen. Ltd.	137
3.	Valantharvi GTPP	ST	Tamil Nadu/Arkay Energy	14.8
			Sub Total (C):	891.8
			Grand Total	4006.8

2007-08

A Central Sector				
1	Sipat STPS-II	U-4	Chhattis/ NTPC	500
2	Kahaigaon STPS-II (Ph-I & II)	U-6	Bihar/NTPC	500
3	Ratnagiri Gas Power Project	Block-3	Mah. /Ratnagiri Gas & Power Pvt. Ltd.	740
4	Meja TPS	U-6	West Bengal/DVC	250
			Sub Total (A):	1990
B State Sector				
1	GHT(Lehra Mohabbat) TPS-II	U-3	Punjab/ PSEB	250
2.	Dholpur CCPP (Ph-I)	GT-2 ST	Rajasthan /RRVUNL	110 110
3	Korba East TPP St-V	U-2	Chhattis./ CSEB	250
4	Dhuvaran CCPP Extn.	ST	Gujarat/GSECL	40
5	Rayalaseema TPS-II	U-4	AP/APGENCO	210
6	Bellary TPP	U-1	Karnataka/ KPCL	500
7	Santaldih TPP	U-5	WB / WBPDC	250
8	Sagardighi TPP	U-1	WB/ WBPDC	300
9	Bakreshwar TPS-II	U-4	WB/ WBPDC	210
10	Yamuna Nagar TPP	U-1 U-2	Haryana/HPGCL	300 300

1	2	3	4	
11	Durgapur TPS Extn.	U-7	WB/DPL	300
12	Sanjay Gandhi TPP Extn. St.III (Birsinghpur)	U-5	MP/MPPGCL	500
13	Paras TPS Extn	U-1	Maharashtra/MSPGCL	250
			Sub Total (B):	3880
C Private sector				
1.	Jindal (Raigarh) TPP Ph. I&II	U-1 U-2 U-3	Chhattis./Jindal Power	250 250 250
			Sub Total (C)	750
			Grand Total (A+B+C):	6620

2008-09

A. Central Sector				
1	Bhilai Extn. TPP	U-1	Chhattisgarh / NSPCL (NTPC & SAIL JV)	250
2	Sipat STPS-II	U-5	Chhattis./ NTPC	500
			Sub Total (A):	750
B State sector				
1	GHTP (Lehra Mohabbat) TPS-II	U-4	Punjab/ PSEB	250
3	Sagardighi TPP -	U-2	WB/WBPDCL	300
5	Valuthur COPP Extn.	GT ST	TN/TNEB	59.86 32.4
6	Amarkantak TPS Extn.	U-5	MP/MPPGCL	210
			Sub Total (B)	852.2
C Private Sector				
1	OP Jindal (Raigarh) TPP Ph.I & II	U-4	Chhattis./Jindal Power	250
2.	Sugen COPP *	Block-1	Gujarat /Torrent Power Gen. Ltd.	376
6	Trombay TPS Extn.	U-8	Maharashtra/ Tata Power Co	250
			Sub Total (C)	882.5
			Grand Total (A+B+C):	2484.7

* Capacity has been revised from 376 to 382.5 MW.