

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

STARRED QUESTION NO:345
ANSWERED ON:03.12.2010
REQUIREMENT OF POWER
Ering Shri Ninong;Vishwanath Shri Adagur H

Will the Minister of POWER be pleased to state:

- (a) the details of the demand, supply and peaking/non-peaking shortage of power during the Eleventh Plan period, year-wise;
- (b) whether the Government has taken note of the adverse thermal-hydel mix ratio in country;
- (c) if so, the details thereof;
- (d) whether the Government has drawn any perspective plan for augmenting power generation, especially hydel power, in the country;
- (e) if so, the details thereof; and
- (f) the other steps taken by the Government to improve the power situation in the country?

Answer

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE)

(a) to (f): A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF STARRED QUESTION NO. 345 TO BE ANSWERED IN THE LOK SABHA ON 03.12.2010 REGARDING REQUIREMENT OF POWER.

(a): The year-wise details of demand, supply and peaking/non-peaking shortage of power during the 11th Plan period are as under:

Year	Energy Requirement (MU)	Peak Availability (MU)	Surplus / Deficit (-) (%)	Peak Demand (MW)	Peak Met (MW)	Surplus / Deficit (-) (%)
2007-08	7,39,343	6,66,007	-73,336 -9.9	1,08,866	90,793	-18,073 -16.6
2008-09	7,77,039	6,91,038	-86,001 -11.1	1,09,809	96,785	-13,024 -11.9
2009-10	8,30,594	7,46,644	-83,950 -10.1	1,19,166	1,04,009	-15,157 -12.7
2010-11#	5,03,510	4,57,239	-46,271 -9.2	1,19,437	1,07,394	-12,043 -10.1

Upto October, 2010

(b) & (c): In the beginning of 11th Plan (as on 31.03.2007), the share of hydro in the total installed capacity of the country was 26.19% which declined to 22.31% by 31.10.2010. The year-wise details of hydro share in the total installed capacity of the country is given

below:

Period (As on)	Installed Capacity (MW)	Hydro share
Total	Hydro	(%)

31.03.2007	132329.21	34653.77	26.19
------------	-----------	----------	-------

31.03.2008	143061.01	35908.76	25.10
------------	-----------	----------	-------

31.03.2009	147965.41	36877.76	24.92
------------	-----------	----------	-------

31.03.2010	159398.49	36863.40	23.13
------------	-----------	----------	-------

31.10.2010	167278.36#	37328.40	22.31
------------	------------	----------	-------

Hydro capacity of above 25 MW (2008-09 onward)

includes 16786.98 MW (10%) from R.E.S.(MNRE).

(d) & (e) : As per the Mid-Term Appraisal, capacity addition target for 11th Plan is 62,374 MW comprising 8,237 MW hydro, 50,757 MW thermal and 3,380 MW nuclear. Capacity totaling to 29,361 MW including 3921 MW of hydro has already been commissioned till 15.11.2010 during 11th Plan. Further, a tentative list of 17,315 MW (above 25 MW) of hydro projects has been prepared for benefits during the 12th Plan.

(f) : Some of the measures taken to accelerate hydro power capacity addition in the country include expediting preparation of Detailed Project Reports based on economic viability, streamlining clearances for pursuing priority projects, facilitating early financial closure and high priority to smaller capacity run of the river type hydro projects having gestation period of less than five years.

A number of steps have also been taken to improve the power situation in the country. These include augmentation of manufacturing capacity of BHEL from 10,000 MW in December, 2007 to 20,000 MW by 2012; periodic review of issues related to supply of power equipment from BHEL by a Group under the chairmanship of Secretary (Heavy Industry); formation of several new joint ventures to manufacture supercritical boilers and turbine-generators for thermal power plants; bulk ordering of 11 units of 660 MW each with supercritical technology with mandatory phased indigenous manufacturing programme to promote indigenous manufacturing; sensitization of stakeholders to enlarge the vendors base to meet Balance of Plants requirements; rigorous monitoring of projects at different levels including by Ministry of Power, Central Electricity Authority, Power Project Monitoring Panel and Advisory Group under the chairmanship of Minister of Power; and introduction of web-based monitoring system.