

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

STARRED QUESTION NO:62

ANSWERED ON:12.11.2010

DEMAND AND SUPPLY OF POWER

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Will the Minister of POWER be pleased to state:

(a) the total power generation from various sources, source-wise along with the demand and supply of power in the country at present, State/UT-wise;

(b) the details of the power projects commissioned in the country during the last three years and the current year, Project-wise and State-wise;

(c) whether the demand of power is continuously increasing in the country;

(d) if so, the details thereof; and

(e) the steps taken by the Government to step up the power generation capacity in consonance with the rise in demand of power in the country?

Answer

THE MINISTER OF POWER(SHRI SUSHILKUMAR SHINDE)

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

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 62 TO BE ANSWERED IN THE LOK SABHA ON 12.11.2010 REGARDING DEMAND AND SUPPLY OF POWER.

(a) : The power generated in the country from various sources, namely thermal, hydro, nuclear and import from Bhutan during 2010-11 (upto October, 2010) was 4,68,321 Million Unit (MU) against the target of 4,80,238 MU. The source-wise details of gross electricity generation are given below:

Source Gross Electricity Generation (Million Unit)
2010-11 (April-October, 2010)

Thermal 3,74,229

Hydro 76,077

Nuclear 13,167

Bhutan Import 4,848

Total 4,68,321

State-wise details are given at Annex-I.

The overall demand and supply of power in terms of energy and peak in the country during the current year (upto October, 2010) is given below:

Year/Period	Energy (Net)	Peak (Net)			
Require- ment (MU)	Availabi- lity (MU)	Deficit (MU)	Demand (MW)	Met (MW)	Deficit (MW)
	(%)	(%)			(%)

2010-11# 5,03,510 4,57,239 46,271 9.2 1,19,437 1,07,394 12,043 10.1
(Apr-Oct`10)

MU = Million Unit MW = Mega Watt

Note(s) : The figures given above are net figures, excluding auxiliary consumption. # Includes provisional figures for the month of October, 2010.

The State-wise demand and supply position in terms of energy and peak during the current year (April-October, 2010) is given at Annex-II.

(b) : The details of State-wise power projects commissioned in the country during the last three years and the current year are given at Annex-III.

(c) & (d) : The demand for electricity in the country has registered an increasing trend. The Compounded Annual Growth Rate (CAGR) of energy requirement during 2007-08 to 2009-10 was 6.35%.

(e) : As per Mid term appraisal, capacity addition likely during 11th Plan is 62,374 MW. Capacity aggregating 29,322 MW has already been commissioned during 11th Plan till 31.10.2010.

The following steps have been taken / are being taken by the Government to step up power generation capacity for addressing the rising demand for electricity in the country :

(i) Rigorous monitoring of capacity addition of the on-going generation projects.

(ii) Hydro Power Policy 2008 launched with the aim to boost hydro power development in the country.

(iii) 50,000 MW Hydro initiative launched under which CEA has prepared Preliminary Feasibility Reports of 162 Hydro Electric Schemes aggregating to 50,000 MW.

(iv) Development of Ultra Mega Power Projects of 4000 MW each to reap benefits of economies of scale.

(v) Bulk ordering of 11 units of 660 MW each with supercritical technology with mandatory phased indigenous manufacturing programme is planned to promote indigenous manufacturing.

(vi) Renovation, modernization and life extension of old and inefficient generation units.

(vii) Thrust to augmentation of manufacturing capacity of power generation equipment in the country.

(viii) Allocation of gas from KG basin for gas-based power stations.

(ix) Central Public Sector Undertakings (CPSU's) have been advised to delegate more powers to their officers at projects for quicker decision making.

(x) Meritorious Performance Award for early completion of power projects.

(xi) CERC w.e.f. 01.04.2009 has also provided for additional ROE of 0.5% for timely completion for Central Sector Power Projects.