

GOVERNMENT OF INDIA
MINISTRY OF POWER
RAJYA SABHA
QUESTION NO 26.07.2010
ANSWERED ON
INCREASE IN POWER DEMAND .

97

Shri Tariq Anwar

Will the Minister of RURAL DEVELOPMENT INFORMATION AND BROADCASTING POWER be pleased to state :-

- (a) whether it is a fact that our power needs are only growing and over a period of time that will become unmanageable;
- (b) if so, the details thereof; and
- (c) the steps Government is taking for early use of nuclear power for generating power in the country?

ANSWER

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI BHARATSINH SOLANKI)

(a) & (b): During first three years of 11th Plan, the demand of power in the country has grown at a compounded Annual Growth Rate (CAGR) of 6.35% in terms of energy and 5.75% in terms of peak. The pattern of energy and peak requirement vis-à-vis availability during the 11th Plan has been as under:

Energy

Year	Requirement (MU)	Availability (MU)	(%)	Deficit
2007-08	739345	666007	73336.0	9.9
2008-09	777039	691038	86001.0	11.1
2009-10	830594	746644	83950.0	10.1

MU = Million Unit

Peak

Year	Demand (MW)	Met (MW)	Deficit (%)
2007-08	108866	90793	18073 16.60
2008-09	109809	96785	13024 11.86
2009-10	119166	104009	15157 12.72

The energy requirement projected by 17th Electric Power Survey (EPS) Committee is 9,68,659 MU for end of 11th Plan (2011-12) in terms of energy and 1,52,746 MW in terms of peaking. As per the projections of the 17th EPS, energy requirement for the terminal years of 12th Plan (i.e. 2016-17) and 13th Plan (i.e. 2021-22) are 1392066 Million Unit (MU) and 1914508 MU and peak demand 218209 MW and 298253 MW respectively. The energy requirement during 12th Plan and 13th Plan is projected with compounded annual growth rate of 7.52% and 6.58% respectively and same for the peak demand is 7.39% and 6.45% respectively.

(c) :As informed by Department of Atomic Energy, a nuclear power capacity of 4560 MW (19 reactors) is currently in operation. This is expected to reach 7280 MW by the end of XI Plan and 10080 MW by end of XII Plan through progressive completion of projects under construction. Setting up of additional nuclear power reactors based on indigenous technologies and with international cooperation is also planned.