

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:4664

ANSWERED ON:23.04.2010

POWER GENERATION

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Will the Minister of POWER be pleased to state:

- (a) the details of the rate of growth of power generation in the country during each of the last three years;
- (b) whether the present rate of growth of power generation is insufficient to meet the growing needs of power in the country;
- (c) if so, the details thereof and the reasons therefor;
- (d) whether the Government has taken assistance from the foreign countries for increasing power generation in the country during the last three years; and
- (e) if so, the details thereof and the steps taken or proposed to be taken by the Government to meet the shortage of power in the country?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER(SHRI BHARATSINH SOLANKI)

- (a) : The details of actual power generation in the country and growth rates during the last three years are given below:-

Year	Actual Generation (Billion Unit)	Annual growth rate (%)
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2007-08	704.5	6.3
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2008-09	723.8	2.7
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2009-10	771.2	6.6
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Note:- The figures include import of power from Bhutan.

The annual growth rate achieved in power generation during the last three years had exceeded CAGR of 5.2% for the period 2001-02 to 2009-10 except during the year 2008-09 which was primarily due to inadequate capacity additions, shortage of fuel (coal / gas / nuclear fuel), delay in achieving commercial operation of generating units due to non completion of balance of plant works etc.

(b) & (c): The present rate of growth of power generation in the country is falling short of the rate of growth in demand for electricity, primarily due to inadequate capacity additions, constraints of fuel supplies and poor financial position of state power utilities making it difficult for them to raise the resources necessary for making the required investments to create adequate generation, transmission & distribution system.

(d) & (e): The details of agreements signed with various external funding agencies for implementation of power generation, including R&M projects during the last three years are as under:

Sl. No.	Name of Project	Executing Agency	Funding Amount	Loan Agreement	Loan Terminal
		(Donor)	(Million)	Date	Date

Currency)

1. Rampur HEP SJVNL World Bank 400.00 15.01.2008 31.03.2013
(USD)
2. Himachal Pradesh Clean HPPCL ADB (USD) 150.00 10.11.2008 31.03.2014
Energy Development
Investment Programme -
tranche-I
3. 2x800 MW Krishnapatnam APPDCL KfW (Euro) 281.06 11.12.2008 30.12.2012
TPP
4. Pare HPE NEEPCO KfW (Euro) 80.00 11.12.2008 30.12.2012
5. Coal Fired Generation WBPCL, World Bank 225.4 18.12.2009 30.11.2014
Rehabilitation MAHAGENCO, (USD)
Project (Bandel, HPGCL
Koradi and Panipat)
6. Himachal Pradesh Clean HPPCL ADB (USD) 59.1 12.03.2010 30.06.2014
Energy Development
Investment
Programme -
tranche-II

The following measures have been taken / are being taken by the Government to mitigate shortage of power in the country:-

- (i) Quantum jump in capacity additions during the 11th Plan as compared to previous plans.
- (ii) Rigorous monitoring of capacity addition of the on-going generation projects.
- (iii) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (iv) Thrust to import of coal by the power utilities to meet the shortfall in coal supplies to thermal power stations from indigenous sources.
- (v) Allocation of gas from KG Basin (D6) for gas based power stations in the country.
- (vi) Tapping of surplus power from captive power plants.
- (vii) Development of Ultra Mega Power Projects of 4000 MW each to reap benefits of economies of scale.
- (viii) Renovation, modernization and life extension of old and inefficient generation units.
- (ix) Strengthening of sub-transmission and distribution network through Acceleration Power Development and Reforms Programme (APDRP) as a major step towards loss reduction.