

**Funds for power sector**

†4936. SHRI SHIVANAND TIWARI: Will the Minister of POWER be pleased to state:

- (a) whether it is a fact that Rs. 13.72 lakh crore would be required to meet the needs of power sector of the country during the Twelfth Five Year Plan;
- (b) if so, the details thereof;
- (c) whether transmission and distribution (T and D) losses of power would be minimized after the investment of this amount; and
- (d) if so, the estimated T and D losses of power by the end of the plan?

THE MINISTER OF STATE IN THE MINISTRY OF POWER ( SHRI K.C. VENUGOPAL): (a) to (d) The Working Group on Power for formulation of the 12th Five Year Plan has estimated total fund requirement of Rs. 13,72,580 Crore for the power sector during the 12th Plan. The details are as under:

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Generation	:	Rs. 6,38,600 Crore
Transmission	:	Rs. 1,80,000 Crore
Distribution	:	Rs. 3,06,235 Crore
Others*	:	Rs. 2,47,745 Crore
TOTAL	:	Rs. 13,72,580 Crore

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\* Others include R&M, R&D, DSM&EE, HRD and Training, Renewable Energy and Captive etc.

It is seen from the above that the above Working Group has estimated an investment requirement of Rs. 3,06,235 Crore for the distribution sector. Further, Government of India is implementing R-APDRP (Re-structured Accelerated Power Development and Reforms Programme) across States. The projects sanctioned under R-APDRP scheme are at various stages of implementation. It is expected that on successful completion of the scheme, the AT and C losses will be reduced to the extent of 15% in the project areas.

**Power situation in Rajasthan**

4937. DR. GYAN PRAKASH PILANIA: Will the Minister of POWER be pleased to state:

- (a) the demand for power in Rajasthan;

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† Original notice of the question was received in Hindi

- (b) the generation of hydel/thermal/solar/nuclear power, source-wise;
- (c) the shortage in power supply in the State;
- (d) the steps being taken to improve the power situation;
- (e) the main projects coming up in the State to ease the power scenario;
- (f) the total cost of these projects;
- (g) whether Government has received proposals from the State for renovation and modernization of power plants; and
- (h) if so, the action taken by Government in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI K.C. VENUGOPAL): (a) The demand for power in terms of energy and peak in Rajasthan during 2011-12 was 51474 Million Unit (MU) and 8188 MW respectively.

(b) The gross electricity generation by various conventional sources (including thermal, hydro and nuclear) in Rajasthan during 2011-12 was as under:

(Figures in Million Unit)

Sources	Actual Generation during 2011-12
Thermal	31531
Hydro	821
Nuclear	8974
TOTAL*	41326

\* The generation figures includes generation from Central, State and Private Sector generating stations located in Rajasthan.

(c) The shortage of power in Rajasthan during 2011-12 in terms of peak and energy was 583 MW (7.1%) and 1983 MU (3.9%) respectively.

(d) The demand of power in a State is met by generation from its own sources, supply against its share in Central Generating Stations and power procured from trading licensees power exchanges as well as bilateral agreements. Government of India supplements the efforts of the State Governments by way of generation capacity addition through Central Public Sector Undertakings. In addition, following steps have been taken/are being taken by the Government to improve power situation in the country.

- (i) Acceleration in generating capacity addition during 11th and 12th Plan.
- (ii) Coordinated operation and maintenance of hydro, thermal, nuclear and gas based power stations to optimally utilize the existing generation capacity.
- (iii) Renovation, modernization and life extension of old and inefficient generation units.
- (iv) Strengthening of inter-state and inter-regional transmission capacity for optimum utilization of available power.
- (v) Strengthening of sub-transmission and distribution network as a major step towards loss reduction.
- (vi) Thrust to Rural Electrification through Rajiv Gandhi Grameen Vidyutikaran Yojana.
- (vii) Promoting energy conservation, energy efficiency and demand side management measures.

(e) Based on the report of Working Group on Power for 12th Plan, the details of projects under construction located in Rajasthan are given below:

Sl.No.	Projects	Type	Sector	1C (MW)
1.	RAPP-U 7 and 8	Nuclear	Central	2x700=1400
2.	KalisindhTPS Unit -1,2	Thermal	State	2x600=1200
3.	Chhabra TPS Extn Unit 3 and 4	Thermal	State	2x250=500
4.	Ramgarh TPS	Thermal	State	160

In addition, Jallipa Lignite Unit 5-8 (4 x 135 MW) which has slipped from 11th Plan to 12th Plan will also give benefit to Rajasthan during 12th Plan.

(f) The total cost of the five projects coming up in Rajasthan as mentioned in reply to part (e) above is of the order of Rs. 22,825 Crores.

(g) and (h) As per information available with CEA no proposal has been received from Rajasthan for renovation and modernization of its power plants.

#### Power situation

4938. DR. GYAN PRAKASH PILANIA: Will the Minister of POWER be pleased to state:

- (a) the demand and supply of power at present, State/UT-wise;