

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:5268
ANSWERED ON:10.12.2010
POWER GENERATION CAPACITY
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Will the Minister of POWER be pleased to state:

- (a) the present status of power generation in the country;
- (b) whether the Government proposes to increase the capacity of power generation in the country;
- (c) if so, the details thereof, State-wise;
- (d) whether the participation of State Governments has been ensured in this scheme;
- (e) if so, the details of ratio thereof;
- (f) whether the Government is aware that operational efficiency in Power Generation is very low in some States; and
- (g) if so, the reasons thereof along with the steps taken by the Government in this direction?

Answer

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

(a): The electricity generation performance during April - November, 2010 was as under :

Category Generation Actual Achievement Growth Over corresponding
Target Generation period of last year

(Billion (Billion (%) (%)
Unit) Unit)

Thermal 440.360 426.882 96.07 3.19

Nuclear 14.147 15.442 109.15 29.36

Hydro# 82.824 83.235 100.50 8.23

Bhutan Import 5.824 5.201 89.32 5.28

Total 547.155 530.76 97 4.59

Generation from hydro stations above 25 MW.

(b) & (c): Implementation of new power generation projects is an important priority of the Government and new power generation projects are programmed for addition in every Five Year Plan. As compared to 21,180 MW new power generation capacity added during the 10th Plan, new projects aggregating 62,374 MW comprising 21,222 MW in Central Sector, 21,355 MW in State Sector and 19,797 MW in Private Sector, are targeted for commissioning during the 11th Plan as per mid-term Review by the Planning Commission. The details of capacity commissioned/under execution for likely benefits during 11th Plan are given at Annex.

(d) & (e) : The capacity addition programme for the 11th Plan includes targets for the Central, State and Private Sector. Out of the total

capacity addition target of 62,374 MW for the 11th Plan, the share of State Sector is approximately 34.24% (21,355 MW). Sector-wise composition of generating capacity addition target during the 11th Plan is given as under:

Sector	Target (MW)	Share (%)
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Central	21,222	34.02
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State	21,355	34.24
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Private	19,797	31.74
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Total	62,374	100
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(f) & (g): The performance of power plants is dependent on a number of factors like type/category of plant (hydro, thermal, nuclear), installed capacity, age, size and design of the unit, past performance, outages for repairs (forced outages) & planned maintenance, availability of water/quantity & quality of fuel. While availability of water during monsoon and non-monsoon seasons as well as irrigation requirement influence performance of hydro power stations, the availability of fuel & its quality have a bearing on the performance of thermal power stations. Therefore, the operating efficiency of some of the thermal power plants in the States is low.

Many steps taken by the Government to bring improvement in generation performance include

(i) Continuous interaction of CEA engineers with Plant Authorities, BHEL and other concerned agencies for solving bottlenecks in O&M activities,

(ii) Renovation, modernization and life extension of old and inefficient generating units, and

(iii) Continuous interaction of CEA along with better performing utilities and the poor performing utilities to introduce better O&M practices, so as to improve the plant load factor.