

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:3536

ANSWERED ON:16.12.2005

POWER GENERATION

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Will the Minister of POWER be pleased to state:

- (a) the ratio of power generation in hydro, thermal and atomic power sector in the country as on date;
- (b) whether hydro power potential in the country was assessed recently;
- (c) if so, the details thereof; and
- (d) if not, the reasons therefor?

Answer

THE MINISTER OF INFORMATION & BROADCASTING AND MINISTER OF PARLIAMENTARY AFFAIRS(SHRI PRIYA RANJAN DASMUNSI)

(a) : The power generation from thermal, hydro and nuclear power plants in the country and its ratio during the current year (April-November, 2005) was as under:

Category	Generation
Thermal	3,19,273 Million Units (78.6%)
Hydro	75,105 Million Units (18.5%)
Nuclear	11,825 Million Units (2.9%)
Total	4,06,203 Million Units (100.0%)

(b) to (d) : The last re-assessment studies of the hydro-electric potential of the country, completed by the Central Electricity Authority in 1987, have placed the economically exploitable hydro potential at 84,044 MW at 60% load factor, which, when fully developed, would result in an installed capacity of about 1,50,000 MW on the basis of probable average load factor. A total of 845 hydro-electric schemes have been identified in various basins which will yield 442 billion units of electricity annually. With seasonal energy, the total energy potential is assessed to be 600 billion units per year. In addition, the re-assessment studies have also identified 56 sites for pumped storage schemes with total installation of about 94,000 MW.