GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:6934
ANSWERED ON:18.05.2012
UTILIZATION OF POWER GENERATIONCAPACITY
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Will the Minister of POWER be pleased to state:

(a) whether the Government is in aposition to make optimum utilization ofinstalled capacity in power generation;

(b) if so, the details thereof;

(c) if not, the reasons therefor; and

(d) the details of difference in makingoptimum utilization of installedcapacityof power generation by public sector andprivate sector during thelast three yearsand the current year, year-wise?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI K.C. VENUGOPAL)

(a) to (c) : The utilization of installed capacity of a generating unit is linked to the type of power station. While the thermal units are meant to be utilized continuously as base-load units, hydro units are to be utilized depending on availability of water / reservoir level. Thus, utilization of installed capacity is effectively applicable to thermal (including nuclear) generating units and is expressed in terms of Plant Load Factor (PLF). The PLF of thermal and nuclear units mainly depends on a number of factors such as vintage of the unit, forced and planned outages, availability of required quality and quantity of fuel and receipt of schedule from beneficiaries etc. During the last three

years, the average PLF of thermal power plants has declined from 77.5% (2009-10) to 73.3% (2011-12), primarily due to shortage of coal and delay in stabilization of newly commissioned units and receipt of low schedule from beneficiaries. However, the average PLF of nuclear power plants has increased from 51.1% (2009-10) to 76.9% (2011-12). Indicator of performance of hydro generating unit is its availability (excluding the time required for its planned maintenance and attending to forced outages) and actual energy generation (vis-Ã -vis design energy) which is mainly dependent on natural factors like monsoon and snow melting. List of hydro power stations which are not generating as per their generation capacity is given at Annex.

(d) : The Sector-wise Plant Load Factor (PLF) of thermal and nuclear generating units in the public and private sector during the last three years and the current year are given below:

Sector	2009-10	2010-11	2011-12	2012-13 (April 12)#
Thermal				
Central Sector	85.49	85.12	82.12	82.21
State Sector	70.90	66.72	68.00	71.67
Private Sector IPP	85.68	83.47	67.27	67.90
Private Sector Utilities	82.41	76.70	76.19	82.13
Nuclear				
Central sector	51.08	65. 40	76.90	81.52

Provisional