

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:2794
ANSWERED ON:14.03.2013
HYDEL POWER
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Will the Minister of POWER be pleased to state:

- (a) whether the Government is harnessing the hydel power available in the country;
- (b) if so, the details thereof along with the hydro power generation during the 11th Five Year Plan period including the shortfall in achieving the targets and the reasons therefor;and
- (c) the hydro power expected to be generated during the 12th Five Year Plan period along with the steps being taken to overcome the difficulties faced during the 11th Plan Period in achieving the targets?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER (SHRI JYOTIRADITYA M. SCINDIA)

(a) As per the re-assessment studies of hydro-electric potential in the country carried out by Central Electricity Authority (CEA), the hydro power potential in terms of Installed capacity is estimated at 145320 MW (above 25 MW). Out of the above, a capacity of 34630.8 MW has been developed till 31.1.2013 and Hydro Electric Projects (HEPs) having I.C. of 12447 MW are under construction. The State-wise details are given at Annex.

(b) The details of Hydro Generation viz. a viz. Target during 11th Plan i.e. 2007-08 to 2011-12 are given below:

YearPower Generation(Million Units) % of Gen. Over Target

TARGET GENERATION

2007-08 105896 119805.64 113.1

2008-09 114841 109839.86 95.65

2009-10 115468 103916.27 90.00

2010-11 111352 114257.36 102.61

2011-12 112050 130509.52 116.47

The reasons for shortfall during 2008-09 and 2009-10 are given below:

(i) 2008-09: Due to less rainfall in the catchment areas. As per IMD, during South-West monsoon 2008, the country's actual rainfall was only 93% of its Long Period Average, resulting in lesser inflows into reservoirs.

(ii) 2009-10: Due to less rainfall in catchment areas. As per IMD, during South-West Monsoon 2009, the country's actual rainfall was only 80% of its Long Period Average, resulting in lesser inflows into reservoirs.

(c) A hydro capacity addition of 10897 MW (6004 MW in Central Sector, 1608 MW in State Sector and 3285 MW in Private Sector) is expected to yield benefits during 12th Plan (2012-17).

The Government adopted a multi-pronged strategy for augmenting hydel capacity and hydro power generation in the country. Some of the policy measures and initiatives taken by the Government are investor-friendly New Hydro Policy, 2008, liberal National Rehabilitation and Resettlement Policy, Renovation, Modernization and life extension of old hydel generating units, incentives for completion of projects ahead of schedule, etc.