

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

STARRED QUESTION NO:26
ANSWERED ON:03.07.2009
HYDRO POWER GENERATION
Owaisi Shri Asaduddin

Will the Minister of POWER be pleased to state:

- (a) whether despite the immense potential, the share of hydro power sector in power generation in the country is decreasing;
- (b) if so, the reasons therefor;
- (c) the targets set for hydro power generation and achievements made during the Tenth Five Year Plan, State/UT-wise;
- (d) the targets fixed for augmenting hydro power generation capacity in the country during the eleventh Five Year Plan; and
- (e) the funds proposed for the purpose and the steps taken/likely to be taken by the Government to achieve the targets?

Answer

THE MINISTER OF POWER(SHRI SUSHILKUMAR SHINDE)

(a) to (e) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 26 TO BE ANSWERED IN THE LOK SABHA ON 03.07.2009 REGARDING HYDRO POWER GENERATION.

(a) & (b) : The share of hydro capacity in the total of generating capacity in the country has declined from 34% at the end of the Sixth Plan to 25% at the end of the Ninth Plan. The share of hydro capacity at the end of Tenth Plan was 26% and is envisaged to be about 23% by the end of the Eleventh Plan if the targeted capacity addition is achieved during the Eleventh Plan.

Geological uncertainties, contract management, resettlement and rehabilitation issues, land acquisition problems, inter-state issues, long gestation period, law and order problem & cost as well as security and infrastructure development have been the main reasons for lesser share of hydro capacity in the total generating capacity.

(c) : The State-wise and Utility-wise hydro generation target and achievement in respect of hydro stations with installed capacity above 3 MW during the 10th Five Year Plan is enclosed at Annex.

(d) : Planning Commission has set a target of 15,627 MW hydro capacity during the Eleventh Plan. However, keeping in view the preparedness and projects under construction, Central Electricity Authority has revised the target to 15,507 MW.

(e) : For accelerated development of hydro power in the country a 50,000 MW hydro initiative was launched in 2003 and Preliminary Feasibility Reports of 162 projects aggregating 48,000 MW were prepared. Out of these, 77 projects with capacity of 37,000 MW were selected for execution. Against this, a target of 15,627 MW hydro capacity has been set by the Planning Commission for the Eleventh Plan. A total fund requirement of Rs. 1,31,105 crores were provided in the Eleventh Plan for the hydro projects. The following steps have been/are being taken to achieve the target :

- i) Expediting preparation of Detailed Project Reports based on economic viability;
- ii) Streamlining clearances for pursuing priority projects;
- iii) Simplifying approval procedures;
- iv) Facilitating early financial closure;
- v) High priority to smaller capacity run of the river type hydro projects having gestation period of less than five years; and
- vi) Basin-wise optimization studies.