

**GOVERNMENT OF INDIA  
POWER  
LOK SABHA**

STARRED QUESTION NO:510  
ANSWERED ON:30.04.2010  
HYDRO POWER GENERATION POTENTIAL  
Singh Rajkumari Ratna;Sinh Dr. Sanjay

**Will the Minister of POWER be pleased to state:**

- (a) the details of the potential/untapped source of hydro power generation in the country, State-wise;
- (b) whether the west flowing rivers in the country have huge potential for the hydro power generation;
- (c) if so, the details thereof;
- (d) whether the Government has identified sites for hydro power generation on these rivers; and
- (e) if so, the details thereof and the steps taken by the Government for harnessing the hydro power potential of these rivers?

**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. 510 TO BE ANSWERED IN THE LOK SABHA ON 30.04.2010 REGARDING HYDRO POWER GENERATION POTENTIAL.

(a) : As per the re-assessment studies of hydro-electric potential of the country done by the Central Electricity Authority (CEA) earlier, the hydro power potential in terms of installed capacity(IC) is estimated at 148701 MW out of which 145320 MW of the potential consists of hydro electric schemes having IC above 25 MW. Of the above identified capacity, 32077.8 MW (22.07%) has so far been developed and another 14278 MW (9.83%) is under development. Thus about 68.1% of the identified potential is yet to be developed. The State-wise details are given at Annex-I.

(b) to (e) : As per the reassessment study, the Basin-wise potential details are given at Annex-II. A total of 94 hydro electric schemes having 9430 MW have been identified in the Western flowing river systems, out of which 60 hydro schemes are above 25 MW with total IC of 8997 MW. The list of the hydro electric schemes identified for hydro power generation on West flowing rivers is given at Annex-III.

Of the identified capacity of 8997 MW, 5560.7 MW (61.81%) have been developed and 200 MW (2.22%) is under construction. Further, Gundia-I H.E. Project (200 MW) has been cleared by CEA. The details of the hydro schemes developed and under construction is given at Annex-IV. The Government has adopted multi-pronged strategy to harness the hydro potential of these rivers. Some of the Policy measures and initiatives taken by the Government are finalization of investor-friendly National Hydro Policy, 2008, Liberal National Rehabilitation and Resettlement Policy, National Water Policy, 50,000 MW Hydroelectric Initiative and Three stage clearance procedures etc.