

**GOVERNMENT OF INDIA  
POWER  
LOK SABHA**

UNSTARRED QUESTION NO:2564  
ANSWERED ON:09.12.2011  
HYDRO POWER GENERATION BY NHPC  
Vijayan Shri A.K.S.

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

- (a) whether the National Hydro Power Corporation Limited (NHPC) has fully exploited the hydro-electric potential in the country including Tamil Nadu;
- (b) if so, the details thereof, State-wise; and
- (c) if not, the concrete steps proposed to be taken in this regard?

**Answer**

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

(a) & (b): Hydro-electric projects (HEPs) have been developed / are being developed by many agencies like State Governments, private developers, Central Public Sector Undertakings (CPSUs) including NHPC, etc. in the country. As per re- assessment studies carried out by Central Electricity Authority (CEA) in 1978-87, 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 hydroelectric schemes having IC above 25 MW. Of the above identified capacity, 33920.8 MW (23.34%) has so far been developed and another 14627 MW (10.07%) is under development. The State-wise details are given at Annex-I.

So far NHPC has commissioned 14 hydroelectric projects with an aggregate installed capacity of 5295 MW (including JV projects). The details are as per Annex-II. Further, 10 hydroelectric projects with total capacity of 4502 MW are under construction. Details are as per Annex-III.

In Tamil Nadu, out of 1918 MW of hydro potential, 1722.2 MW has so far been developed and 60 MW is under development. However, NHPC has no hydro-electric project in Tamil Nadu.

(c) : The following measures have been taken by the Government for development of hydro-electric potential in the country:-

1. Policy initiatives taken for increasing the hydro capacity

- i) Policy Liberalisation.
- ii) Policy on hydro power development.
- iii) National Water Policy.
- iv) Electricity Act 2003.
- v) National Electricity Policy.
- vi) National Rehabilitation (R&R) Policy.
- vii) Mega Power Projects Policy (Revised).

2. Other measures taken for increasing the hydro capacity

- i) Creation of Power Corporations.
- ii) Ranking Study by Central Electricity Authority.
- iii) 50,000 MW Hydroelectric Initiative.