

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:4483
ANSWERED ON:20.12.2012
HYDRO POWER GENERATION
Deo Shri Kalikesh Narayan Singh

Will the Minister of POWER be pleased to state:

- (a) the current position of the country in relation to other developed countries with regard to hydro power generation;
- (b) the potential vis-a-vis actual power generated by using pumped-storage hydro power plants in the country during the last three years and the current year, State/UT-wise;
- (c) whether the Government provides any financial and technical incentives to individuals to enter the hydro power generation market;
- (d) if so, the details thereof and if not, the reasons therefor; and
- (e) whether there exists any contingency plan for hydro power projects affected by natural calamities and if so, the details thereof?

Answer

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

(a): As per the available information, the hydroelectric generation by different leading countries in the world including India for the year 2011 is given below:

S. Country Name Hydro-electric Generation in
No. Billion Units (BU)

1	China	694
2	Brazil	430
3	Canada	377
4	USA	328
5	Russia	165
6	India	132
7	Norway	122
8	Japan	85
9	Venezuela	84
10	Sweden	66

(b) : The details of programme vis-à-vis actual power generated by using pumped-storage hydro power plants in the country during the last three years and the current year, State/UT-wise is enclosed at Annex.

(c) & (d) : As per the extant Acts, Policies etc., financial incentives are available to a hydro-power generator by way of fixation of tariff on cost plus basis, merchant sale upto 40% of the saleable power, additional Return on Equity for commissioning the project before the scheduled timelines etc. During the appraisal of Detailed Project Report (DPR) of a Hydro Electric Project (HEP) by the Central Electricity Authority (CEA) and Central Water Commission (CWC), technical inputs are also provided to the developers of an HEP.

(e) : The Central Electricity Authority/Ministry of Power had brought out a Crisis and Disaster Management plan for power sector in July, 2004. This document was prepared by obtaining inputs from various utilities including Central Public Sector Undertaking (CPSU) and is periodically updated. This document is basically for guidance of utilities associated with generation, transmission and distribution of Electricity and Load Dispatch Centres to prepare their Disaster Management Plan. It also includes disaster management plan for natural calamities for electricity generating plants including Hydro Electric Stations. The utilities are required to prepare the disaster management plan by incorporating various aspects to effectively handle the disaster situations to which their plants are vulnerable.