

**GOVERNMENT OF INDIA  
POWER  
LOK SABHA**

STARRED QUESTION NO:186

ANSWERED ON:06.12.2012

HYDRO POWER GENERATION

Gandhi Smt. Maneka Sanjay;Saroj Shri Tufani

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

- (a) the details of the actual hydro power generation vis-a-vis targets fixed for various hydro power projects of the Central Public Sector Undertakings during the Eleventh Five Year Plan, year, project and State/UT-wise;
- (b) the reasons for the short fall, if any, category-wise;
- (c) whether various hydro power projects being implemented by the National Hydro Power Corporation Limited have incurred time and cost overruns;
- (d) if so, the details thereof and the reasons therefor, project-wise; and
- (e) the corrective measures taken by the Government in this regard?

**Answer**

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

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

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 186 TO BE ANSWERED IN THE LOK SABHA ON 06.12.2012 REGARDING HYDRO POWER GENERATION.

(a) & (b) : The details of actual hydro power generation vis-à-vis targets fixed for various hydro power projects in the Central Sector during the individual years of the Eleventh Five Year Plan, year, project and State/UT-wise are at Annex-I.

There has been shortfall in generation for the year 2009-10 due to less rainfall in some regions during the period resulting in less inflow into the reservoirs. Besides, shortfall in generation in different years in individual power projects has been mainly due to poor rainfall in some regions, delay in commissioning of new projects and forced outages due to mechanical/electrical reasons etc.

(c) & (d) : The details of the time and cost overruns incurred and the reasons for delay in the hydro power projects being implemented by NHPC Limited are enclosed at Annex-II.

(e) : The following corrective measures have been taken with regard to the reasons causing delays:

# For geological delays technical steps taken include interalia strengthening of work area in the hill slope region through provisioning of Rock Bolts and more efficient tunnel boring mechanisms by intensive and detailed probing of the geological strata.

# As regards Local area agitations, these are mostly dependent on socio-political conditions, like civil disturbances in the J&K Valley area, Gorkha agitation in West Bengal etc. To address them, efforts have been made to maintain good relations with local communities through interaction at several fora and attempts to meet local aspirations by assisting in creation of social infrastructure like schools, roads, drinking water facilities, health infrastructure etc.

# For delays due to uncertain weather conditions which are difficult to manage to begin with, attempts have been stepped up to ensure better planning of work such as transportation of skilled manpower and critical material, in the available window of working season etc.

Further, following additional measures have been taken by the Ministry of Power for better project and contract management:

# Central Electricity Authority (CEA) monitors the progress of each project continuously through frequent site visits, interaction with the developers, critical study of monthly progress reports, etc. Chairperson, CEA holds review meetings with the developers and other stakeholders to sort out the critical issues.

# A Power Project Monitoring Panel (PPMP) has been set up by the Ministry of Power to independently follow up and monitor the progress of the hydro projects.

# Review meetings are taken by Ministry of Power regularly with the concerned officers of CEA, equipment manufacturers, State Utilities/Central Public Sector Undertakings/Project developers, etc. to sort out the critical issues.