

(b) if so, the details thereof including the steps taken to address their demands?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI K.C. VENUGOPAL): (a) A number of representations have been received from various organizations especially on the issues of safety and downstream impact due to the construction of Subansiri Lower Hydroelectric Project (2000 MW) in Assam and Arunachal Pradesh.

(b) On the concerns expressed by Government of Assam (GoA), NHPC constituted an Expert Group consisting of experts from IIT, Guwahati, Gauhati University and Dibrugarh University to study the downstream impact of Lower Subansiri HEP (2000 MW). The Expert Group has submitted its final report on 3.3.2011. Meanwhile, on the concerns expressed by GoA regarding structural safety of the dam, Planning Commission has appointed a two Member Technical Experts Committee to study the technical reports of the Expert Group.

Further, as desired by GoA, a Joint Steering Committee (JSC) has been constituted by NHPC on 19.04.2011 to suggest feasible and practicable remedial measures in the downstream areas with reference to Expert Group's recommendations on downstream impact of Subansiri Lower Dam (Part-II) alongwith issues related to flood, bank erosion and sediment control.

As recommended by an Inter-Ministerial Group, headed by Secretary (Water Resources), cumulative environment impact assessment study of Lohit sub-basin has recently been completed by WAPCOS and studies for Subansiri and Siang sub-basins are on the anvil.

Status of NHPC projects

2146. SHRI SHYAMAL CHAKRABORTY: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that the scheduled dates of commissioning of many under construction projects of NHPC have been delayed; and

(b) if so, the details thereof and the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI K.C. VENUGOPAL): (a) Yes, Sir.

(b) At present, NHPC is constructing ten hydro-electric projects in the country. Out of these, commissioning of nine projects is likely to be delayed due to various reasons are given in the statement.

Statement

Details of reasons for NHPC under Construction Hydro Projects running behind schedule

Sl. No.	Name of Project Capacity/ Agency/ State Date of approval	Commissioning Schedule		Reasons for delay
		Original	Approved Latest	
1	2	3	4	5
1.	Parbati - II (4x200 MW) NHPC H.P 11.9.2002	Sep-09 (2009-10)	Dec-14 (2014-15)	Slow progress of HRT by TBM. Contractual issues. Ban on operation of stone crusher by Hon'ble High Court of Himachal Pradesh. Delay in revised forest clearance. Delay in widening the project roads by HP, PWD. Slide in Power House area in Feb 07. Heavy ingress of water and slush in TBM face in Nov. 2006. TBM suffered extensive damage. Lot PB-2 works suffers due to non resolution of its contractual issues. Flash flood on 16th August, 2011.
2.	Chamera-III (3x77 MW) NHPC HP 01.09.2005	Aug-10 (2010-11)	Feb-12 (2010-12)	Murder of 3 persons and damage to equipments in June 2006. Washing away of Coffer dam during flash flood in July 2007. Shut down of main crusher plant by

1	2	3	4	5
				state govt. Shooting stone in right bank of Dam, Shortage of Man Power by HCC, Cavity in LEG, Suction formation at inlet of diversion tunnel
3	Parbati-III (4x130 MW) NHPC HP 09.11.2005	Nov-10 (2010-11)	Sept-12 (2012-13)	Poor geology in HRT, Delay in completion of E& M works. Stoppage of work by locals w.e.f 01.07.11. Flash flood on 16th August, 2011.
4	Uri-II(4x60 MW) NHPC J&K 01.09.2005	Nov-09 (2009-10)	April 12 (2010-12)	Lack of resources with contractor. Slope failure in Dam area on 19.01.2008. Widening of NH 1A by BRO. Breaching of Cofferdam on 19.05.10. Disturbance in Kashmir Valley since June, 2010, Rainfall & snowfall w.e.f Feb 11 to May 11 resulting in overtopping of dam on 17.04.11. Cash flow crunch of HCC, Flash flood on 16.09.2011
5	Teesta Low Dam-III (4x33 MW) NHPC West Bengal 30.10.2003	Mar-07 (2006-07)	Dec-12 (2012-13)	Delay in obtaining Forest clearance. Power house hill slope failure. Flash flood in July, 2007, May, 2009 & July, 2010. Gorkha Jan Mukti agitations/bandhs.

6	Teesta Low Dam- IV (4x40 MW) NHPC WB 30.09.2005	Sep-09 (2009-10)	Dec-12 (2012-13)	Delay in forest clearance. Flash flood in July, 2007, May, 2009 & July, 2010. Gorkha Jan Mukti agitations/bandhs.
7	Subansiri Lower (8x250 MW) NHPC Ar. Pradesh/Assam 09.09.2003	Sep-10 (2010-11)	Aug-14 (2014-15)	Disruption of works by locals in Ar. Pradesh side. Slope failure in Power House area on 28.01.2008. Damage to bridge on Ranganadi river, change in design of surge shafts to surge tunnels, Issue of D/S Impact studies & demand for stoppage of dam work, Issue of forest permit of minor minerals on payment of Govt, royalty for dam works, transportation of equipment.
8	Chutak (4x11 MW) NHPC J&K 24.08.2006	Feb-11 (2010-11)	May-12 (2011-12)	Working in extreme cold weather conditions (Short Working Season), Supplies of E&M and HM parts, Shortage of Man power with BHEL
9	Nimoo Bazgo (3x15 MW) NHPC J&K 24.08.2006	Aug-10 (2010-11)	Nov-12 (2012-13)	Working in extreme cold weather conditions (Short working season), Supplies of E&M and HM parts, shortage of manpower for E&M works.
