

Reasons of Slippages of Hydro Electric Projects from 12th Plan

Sl. No	Project Name/(I.C.)/ Executing Agency	State	Reasons for time and cost over run
	CENTRAL SECTOR		
1	Subansiri Lower (8x250 = 2000 MW) NHPC (1000 MW in 12 th Plan)	Arunachal Pradesh/ Assam	<ul style="list-style-type: none"> ➤ Disruption of works by locals in Ar. Pradesh side. ➤ Slope failure in Power House in Jan, 2008. ➤ Damage to bridge on Ranganadi river. ➤ Change in design of surge shafts to surge tunnels. ➤ Stoppage of works due to agitation launched by Anti Dam activists in Assam against construction of Project. Work stopped since 16.12.2011. ➤ Issue of D/s impact studies. ➤ Case in NGT & Stay in construction activities.
2	Parbati - II (4x200 = 800 MW) NHPC	Himachal Pradesh	<ul style="list-style-type: none"> ➤ Hon'ble High Court of Himachal Pradesh ban on stone crusher operation. ➤ Delay in revised forest clearance. ➤ TBM suffered extensive damage due to heavy ingress of water and slush in TBM face in Nov, 2006. ➤ Slide in Power House area in Feb, 07. ➤ Flash flood in August, 2011. ➤ Jiwa Nallah works affected due to cavity treatment. ➤ Contractual issues. ➤ Poor geology in HRT
3	Kishanganga (3x110 = 330 MW) NHPC	Jammu & Kashmir	<ul style="list-style-type: none"> ➤ Approval of RCE as L-1 price bid was more than cost estimate. RCE approved in Jan.-2009. ➤ Heavy Rainfall in March, 2011. ➤ Cavity in HRT – TBM portion. ➤ Poor geology in Access tunnel. ➤ Dam works affected due to arbitration proceedings at International Court of Arbitration. ➤ Local issues / Law & Order problem. ➤ R&R Issues.
4	Tapovan Vishnughad (4x130 = 520 MW) NTPC	Uttarakhand	<ul style="list-style-type: none"> ➤ Delay in procurement/deployment of Tunnel Boring Machine by Civil Contractor. ➤ Slow progress in Power house due to poor rock strata. ➤ Heavy water ingress due to bad geology in HRT and rock fall on TBM. TBM struck 3 times. ➤ Flash flood in June, 2013. ➤ Termination of civil contracts for Barrage and HRT.
5	Tuirial (2x30 = 60 MW) NEEPCO	Mizoram	<ul style="list-style-type: none"> ➤ Suspension of Project activities due to local agitation for about 7 yrs. (June-2004 to May-2011) ➤ Poor approach roads. ➤ Slope failure in Power House. ➤ Insufficient resources by contractor.
6	Pare (2x55 = 110 MW) NEEPCO	Arunachal Pradesh	<ul style="list-style-type: none"> ➤ Law & Order problem. ➤ Poor geology. ➤ Poor approach roads. ➤ Flash flood during Jun-Sep -2015. Dam area inundated with water, Concreting of Dam effected for 04 months.
7	Kameng (4x150 = 600 MW) NEEPCO		<ul style="list-style-type: none"> ➤ Change in dam parameters. ➤ Slow progress in dam & HRT due to bad geology, heavy seepage, inadequate machinery. ➤ Flash flood in Oct. 2008 and Sept. 2012. ➤ Ingress of water in HRT. ➤ Poor approach roads. ➤ Contractual issues. ➤ Shortage of aggregate. ➤ Clearance for quarry from State Govt.
	Sub-Total (Central Sector) :- 3420 MW		

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STATE SECTOR			
8	Uhl-III 3x33.33= 100 MW) BVPC	Himachal Pradesh	<ul style="list-style-type: none"> ➤ Delay in award of works. ➤ Contract for construction of HRT rescinded twice i.e. during May, 2008 & July, 2010 due to slow progress and non-performance by the contractor. ➤ Poor geology in HRT.
9	Sawra Kuddu (3x37 =111MW) HPPCL,	Himachal Pradesh	<ul style="list-style-type: none"> ➤ Delay in MOEF clearance. ➤ Delay in award of Civil & E&M works. ➤ Poor geology in HRT. ➤ Slow progress of HRT Lining. ➤ Contractual issues ➤ Contract for HRT package terminated on 9.1.14. Re-awarded in Nov,2014 to M/s. HCC.
10	Sainj (2x50 =100MW) HPPCL,	Himachal Pradesh	<ul style="list-style-type: none"> ➤ Slow progress of HRT and Barrage works ➤ Local issues ➤ Cash flow problem with Contractor. ➤ Contractual issues.
11	Thottiyar (1x30+1x10)= 40MW KSEB	Kerala	<ul style="list-style-type: none"> ➤ Land acquisition issue. ➤ The works of weir and approach channel stopped from 2010 to 2012 by local people. ➤ The work stopped by Court from 12.12.2012 to April-2013. ➤ Contractual Issues.
12	Pallivasal 2x30 = 60 MW KSEB	Kerala	<ul style="list-style-type: none"> ➤ Slow progress of civil works. ➤ Delay in land acquisition. ➤ Change in alignment of Adit to HRT. ➤ Poor geology strata in HRT. ➤ Heavy Monsoon ➤ Contractual Issues.
13	Pulichintala (4x30 = 120 MW) TGENCO (Slippage 90 MW)	Telengana	<ul style="list-style-type: none"> ➤ Delay in award of E&M works. ➤ Unprecedented floods in Oct.2009 & Sept.2011. ➤ Contractual issues. ➤ Slow progress of Power House works.
14	New Umtru (2x20 =40 MW) MePGCL	Meghalaya	<ul style="list-style-type: none"> ➤ Delay in award of works. ➤ Slow progress of civil works.
Sub-Total (State Sector) :- 541 MW			
PRIVATE SECTOR			
15	Tidong-I (2x50 = 100 MW) N S L Tidong Power Gen. Ltd	Himachal Pradesh	<ul style="list-style-type: none"> ➤ Delay in NOC by Projects affected Panchayats, suspension of works by Govt.for one year. ➤ Funds constraints with developer.
16	Tangnu Romai-I (2x22 = 44 MW) TRPGPL	Himachal Pradesh	<ul style="list-style-type: none"> ➤ Slow progress of civil works. ➤ Poor geology. ➤ Difficult area. ➤ Weather conditions & accessibility. ➤ Funds constraints with developer.
17	Maheshwar (10x40 = 400 MW) SMHPCL	Madhya Pradesh	<ul style="list-style-type: none"> ➤ R&R issues ➤ Cash flow problem with developer
18	Bhasmey (2x25.5 =51 MW) Gati Infrastructure	Sikkim	<ul style="list-style-type: none"> ➤ Forest clearance ➤ Financial constraints with developer.
19	Rangit-IV HE Project (3X40 = 120 MW) JPCL	Sikkim	<ul style="list-style-type: none"> ➤ Slow progress of HRT & Surge Shaft works due to poor geology. ➤ Works hampered due to earthquake in September, 2011. ➤ Financial constraints with developer. Works at hold since October'2013.
20	Teesta Stage VI (4x125 = 500 MW) Lanco Energy Private Limited	Sikkim	<ul style="list-style-type: none"> ➤ Poor geology in HRT. ➤ Land acquisition. ➤ Contractual issues ➤ Funds constraints with developer

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21	Singoli Bhatwari (3x33 = 99 MW) L&T	Uttarakhand	<ul style="list-style-type: none"> ➤ Poor geology in HRT. ➤ Agitation by local people. ➤ Flash flood in June,2013.
22	Phata Byung (2x38 = 76 MW) LANCO	Uttarakhand	<ul style="list-style-type: none"> ➤ Flash flood in June,2013. ➤ Poor geology in HRT. ➤ Funds constraints with developer.
23	Sorang (2x50 = 100 MW), HSPPL	Himachal Pradesh	<ul style="list-style-type: none"> ➤ Poor geology. ➤ Difficult area. ➤ Weather conditions & accessibility. ➤ Penstock cracks / leakage during filling of Water conductor System. ➤ Rupture in surface penstock in Nov-15 during trial run. ➤ Funds constraints with developer.
Sub-Total (Private Sector) :- 1490 MW			
Grand Total :- 5451 MW			