

## Reasons for Hydro Electric Projects Slipping from 11<sup>th</sup> Plan

Particulars	Benefits (MW)	Remarks/Critical Areas
<b>Central Sector</b>		
<b>Parbati St.-II</b> NHPC, HP. 4x200= 800 MW	800	<ul style="list-style-type: none"> <li>• Delay in revised forest clearance.</li> <li>• Slow progress of HRT due to poor geology.</li> <li>• Slide in Power House area in Feb 07.</li> </ul>
<b>Rampur SJVNL, HP.</b> 6 x 68.67= 412 MW	412	<ul style="list-style-type: none"> <li>• Slow progress of HRT due to poor geology.</li> </ul>
<b>Loharinagpala</b> NTPC, Uttranchal 4x150= 600 MW	600	<ul style="list-style-type: none"> <li>• Work suspended due to environmental concerns.</li> <li>• Delay in forest clearance for approach road to Helgu Adit.</li> </ul>
<b>Tapovan Vishnugad</b> NTPC, Uttranchal 4x130= 520 MW	520	<ul style="list-style-type: none"> <li>• Civil works of HRT due to delay in procurement/deployment of Tunnel Boring Machine by Civil Contractor.</li> <li>• Poor rock strata encountered in power house.</li> </ul>
<b>Subansiri Lower</b> NHPC, Ar.Pr. 8x250= 2000 MW	2000	<ul style="list-style-type: none"> <li>• Frequent stoppage of work by locals in Ar. Pradesh side.</li> <li>• Signing of MOU with state Govt.</li> </ul>
<b>Kameng</b> NEEPCO, Ar.Pr. 4x150= 600 MW	600	<ul style="list-style-type: none"> <li>• Adverse geology resulting in slow progress in HRT. Also flash flood on 28.10.2008 caused major damage to some of the works.</li> </ul>
<b>Sub-Total (CS):</b>	<b>4932</b>	
<b>StateSector</b>		
<b>Uhl-III</b> HPJVVNL, HP 3x33.3= 100 MW	100	<ul style="list-style-type: none"> <li>• Cancellation of contract for HRT &amp; Neri Khad works due to slow progress.</li> <li>• Fresh award placed in October, 2008.</li> <li>• Poor geology in HRT.</li> </ul>
<b>Lower Jurala</b> APGENCO, A.P. 6x40= 240 MW	240	<ul style="list-style-type: none"> <li>• Order for E&amp;M works was placed on Chinese Firm CMEC (L1) in Jan. 2008 who did not sign the agreement due to exchange fluctuation.</li> <li>• The fresh order was placed on M/s Alsthom India Ltd. with commissioning of 3 units by December, 2011 and balance 3 units in 12<sup>th</sup> plan.</li> <li>• Power hose civil works</li> </ul>
<b>Sawara Kuddu</b> PVC, H.P. 3x36.67= 110 MW	110	<ul style="list-style-type: none"> <li>• Initial delay due to MOE&amp;F clearance, clearance obtained on 17.05.2007.</li> <li>• Delay in award of Civil &amp; E&amp;M package. Civil package of HRT was awarded in June, 2007 and E&amp;M package awarded in Feb., 09.</li> </ul>
<b>Pallivasal</b> KSEB, Kerala 3x20= 60 MW	60	<ul style="list-style-type: none"> <li>• Delay in land acquisition.</li> <li>• Slow progress of civil works.</li> </ul>
<b>Sub-Total (SS):</b>	<b>510</b>	
<b>Total (Slipping):</b>	<b>5442 MW</b>	

## Reasons of Hydro Projects Possible With Efforts for Benefits During 11th Plan

Particulars	Benefits (MW)	Remarks/Critical Areas
<b>Central Sector</b>		
<b>Kol Dam</b> HP 4x200= 800 MW	800	<ul style="list-style-type: none"> <li>• Slow progress of Clay/earth filling of main dam, grouting of dam galleries, concreting of spillway.</li> <li>• Fund constraints with contractor on account of non-release of funds for want of hypothecation of equipment/asset.</li> </ul>
<b>State Sector</b>		
<b>New Umtru</b> MEGHALAYA 2x20= 40 MW	40	<ul style="list-style-type: none"> <li>• LoI for award of E&amp;M works issued in February, 2009.</li> <li>• Delivery period is 28 months.</li> </ul>
<b>Private Sector</b>		
<b>Sorang</b> HP 2x50= 100 MW	100	<ul style="list-style-type: none"> <li>• Difficult area, weather conditions &amp; accessibility.</li> </ul>
<b>Srinagar</b> Uttarakhand 4x82.5= 330 MW	330	<ul style="list-style-type: none"> <li>• Dam works are critical.</li> <li>• Acquisition of private land.</li> <li>• Lease deed for forest land.</li> </ul>
<b>Maheshwar</b> Madhya Pradesh 10x40= 400 MW	200	<ul style="list-style-type: none"> <li>• Commercial issues with BHEL and timely delivery of equipments made by BHEL.</li> </ul>
<b>Teesta-III</b> SIKKIM 6x200= 1200 MW	600	<ul style="list-style-type: none"> <li>• Readiness of Power House Civil Works for erection/ installation of E&amp;M Works.</li> </ul>
<b>Total:</b>	<b>2070 MW</b>	