

EXECUTIVE SUMMARY

Trend of Hydro-Thermal Mix as on 30.09.2016

Hydro:	43,112.43 MW	(16.45%)
Thermal:	2,13,228.90 MW	(81.35%)
Nuclear:	5,780.00 MW	(02.21%)
Total: (excluding RES)	2,62,121.33 MW	

Hydro Capacity Under Execution (As on 30.09.2016): A hydro capacity of **13,182 MW** is under execution to give benefits during remaining period of 12th Plan & beyond. Sector wise summary is given as under:-

Sector	Capacity (MW)
Central	6155
State	3672
Private	3355
Total:	13,182 MW

12th Plan Hydro Capacity Addition as Plan Progress:-

Hydro Capacity Addition for the Year 2012-13: Hydro Capacity Addition Monitorable Targets for the Year 2012-13 was **802 MW** (645 MW in Central Sector, 87 MW in State Sector, and 70 MW in Private Sector.). A Capacity of **510 MW** (374 MW in Central Sector, 66 MW in State Sector and 70 MW in Private Sector) has been achieved during 2012-13. Project-wise details are given in Chapter 2.2a.

Hydro Capacity Addition for the Year 2013-14: Hydro Capacity Addition Monitorable Targets for the Year 2013-14 was **1198 MW** (914 MW in Central Sector, 85 MW in State Sector and 199 MW in Private Sector.). A Capacity of **1058 MW** (914 MW in Central Sector, 45 MW in State Sector and 99 MW in Private Sector) has been achieved during the year 2013-14. Project-wise details are given in Chapter 2.2b.

Hydro Capacity Addition for the Year 2014-15: Hydro Capacity Addition Monitorable Targets for the Year 2014-15 was **842 MW** (336 MW in Central Sector, 210 MW in State Sector and 296 MW in Private Sector.). A Capacity of **736 MW** in Central Sector has been achieved during the year 2014-15. Project-wise details are given in Chapter 2.2c.

Hydro Capacity Addition for the Year 2015-16: Hydro Capacity Addition Monitorable Targets for the Year 2015-16 was **1691 MW** (590 MW in Central Sector, 575 MW in State Sector and 526 MW in Private Sector) A Capacity of **1516 MW** (480 MW in Central Sector 610 MW in State Sector and 426 MW in Private Sector) has been achieved during the year 2015-16. Project-wise details are given in Chapter 2.2d.

Hydro Capacity Addition for the Year 2016-17: Hydro Capacity Addition Monitorable Targets for the Year 2016-17 is **1714 MW** (490 MW in Central Sector, 995 MW in State Sector and 229 MW in Private Sector). A Capacity of **320 MW** (80 MW in Central Sector, 240 MW in State Sector) has been achieved during the year 2016-17 up to **30.09.2016**. Project-wise details are given as under:-

Hydro Projects Monitorable Target for 2016-17

Sl. No.	Particular	Unit Nos.	Cap. (MW)	Commissioning as programmed	Actual(A)/ Anticipated	Remarks
A.	Central Sector					
1	Teesta Low Dam IV NHPC, West Bengal 4x40 = 160 MW	Unit # 3 Unit # 4	40 40	Jun.16 Sep.16	03.07.2016(A) 11.08.2016(A)	Commissioned Commissioned
2	Pare NEEPCO, Ar. Pradesh 2x55=110 MW	Unit # 1 Unit # 2	55 55	Dec. 16 Jan.17	2017-18 2017-18	Slipped Slipped

3	Kameng NEEPCO Arunachal Pradesh 4x150= 600 MW	Unit # 1 Unit # 2	150 150	Feb.17 Mar.17	2017-18 2017-18	Slipped Slipped
	Sub- total (C.S.):		490		80MW	
B.	State Sector					
1	Sainj HPPCL, H.P. 2x50= 100 MW	Unit # 1 Unit # 2	50 50	Dec.16 Jan.17	Dec.16 Jan.17	
2	Kashang – I HPPCL, H.P. 1x65=65 MW	Unit # 1	65	May 16	26.06.2016(A)	Commissioned
3	Lower Jurala TSGENCO, Telangana 6x40= 240 MW	Unit # 5 Unit # 6	40 40	Sept.16 Nov.16	20.08.2016(A) 29.09.2016(A)	Commissioned Commissioned
4	Pulichintala TSGENCO,Telangana 4x30=120 MW	Unit # 1 Unit # 2	30 30	Aug.16 Dec16	25.09.2016(A) Dec16	Commissioned
5	New Umtru MePGCL, Meghalaya 2x20=40MW	Unit # 1 Unit # 2	20 20	Nov.16 Dec.16	Mar.17 Mar.17	Critical
6	Teesta-III Teesta Urja Ltd. 6x200=1200 MW	Unit #1 Unit # 2 Unit # 2	200 200 200	Dec.16 Jan.17 Feb.17	Nov.16 Dec.17 Dec.17	
7	Nagarjuna Sagar TR APGENCO, Telangana 2x25= 50 MW	Unit #1 Unit # 2	25 25	Aug.16 Aug.16	Nov.16 Nov.16	Depends on availability of water
	Sub- total (B):		995		175 MW	
C.	Private Sector					
1	Chanju-I IA Energy ; H.P. 3x12= 36 MW	Unit # 1 Unit # 2 Unit # 3	12 12 12	July 16 Sept.16 Dec.16	Nov.16 Nov.16 Nov.16	
2	Dikchu Sneha Kinetic Power Projects (P).Ltd., Sikkim 2x48= 96 MW	Unit # 1 Unit # 2	48 48	July.16 Sept.16	Dec.16 Dec.16	
3	Tashiding Shiga Energy Pvt. Ltd. Sikkim 2x48.5= 97 MW	Unit # 1 Unit # 2	48.5 48.5	Jan.17 Feb.17	Jan.17 Feb.17	
	Sub- total (P.S.):		229			
	Total C.S.+S.S.+P.S.)		1714		255 MW	
	Out Side Programme					
1	Kashang-II & III HPPCL , HP	Unit # 1	65	NA	28.08.2016(A)	Commissioned
	Grand Total (30.09.2016)				320 MW	