



देश में कार्यान्वित ताप विद्युत परियोजनाओं  
की प्रगति का पुनर्वलोकन



REVIEW OF PROGRESS OF THERMAL POWER PROJECTS  
UNDER EXECUTION IN THE COUNTRY

156 वाँ त्रैमासिक पुनर्वलोकन  
(जुलाई-सितम्बर, 2016)

**156<sup>th</sup> QUARTERLY REVIEW**  
(July to September, 2016)

केन्द्रीय विद्युत प्राधिकरण  
विद्युत मंत्रालय  
भारत सरकार  
नई दिल्ली

**CENTRAL ELECTRICITY AUTHORITY  
MINISTRY OF POWER  
GOVERNMENT OF INDIA  
NEW DELHI**

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(विद्युत अधिनियम, 2003 की धारा 63 (एफ) के तहत के.वि.प्रा. के दायित्व की पूर्णता के लिये संकलित)  
(In fulfillment of CEA's obligation under section 73(f) of Electricity)

## **FOREWORD**

Central Electricity Authority (CEA) has been bringing out Quarterly Review of the progress of works on various sanctioned thermal power projects under implementation in the country. The present quarterly review, 156<sup>th</sup> in the series (for the period July – September, 2016) gives the details of thermal power projects commissioned during 11<sup>th</sup> plan and Quarterwise of the First, Second, Third, Fourth & Fifth Year of 12<sup>th</sup> Plan in the country. This review also provides information in respect of thermal power projects under construction for commissioning during 12<sup>th</sup> plan and beyond.

CEA has been rendering assistance to various stake holders in timely commissioning of the project and even in pre-ponement of the project commissioning. We would like to welcome you for sharing your experiences, high standards of achievements and the constraints in project implementation. We shall endeavour to resolve the issues to the benefit of the project and therefore, request you to feel free in reporting the same for initiating the suitable remedial measures.

The quarterly review has been brought out by CEA on the basis of data received from various project authorities, visits made by the CEA engineers to different power projects and discussions held with the executing agencies and suppliers of equipments from time to time. Project authorities are requested to intimate the latest status of their projects in case the status indicated in this review has changed in any manner so that the same could be incorporated in the subsequent issues.

We whole-heartedly welcome suggestions/feed back for further improvement in the quarterly review.

**(Phool Chandra)**  
**Chief Engineer (TPM-II)**

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## 1. Executive Summary

### 1.2 TOTAL CAPACITY ADDITION (MW) PROGRAMME DURING 11<sup>TH</sup> PLAN (AS PER ORIGINAL TARGET) (MW)

Thermal	Hydro	Nuclear	Total
59693	15627	3380	78700

### 1.2.1 TOTAL CAPACITY ADDITION (MW) PROGRAMME DURING 11<sup>TH</sup> PLAN (AS PER MID TERM TARGET) (MW)

SECTOR	THERMAL		HYDRO		NUCLEAR		TOTAL	
	Target	Achieved	Target	Achieved	Target	Achieved	Target	Achieved
CENTRAL	14920.0	12790.0	2922	1550	3380	880	21222.0	15220.0
STATE	18501.4	14030.4	2854	2702	0	0	21355.4	16732.4
PRIVATE	17335.5	21719.5	2461	1292	0	0	19796.5	23011.5
TOTAL	50756.9	48539.9	8237	5544	3380	880	62373.9	54963.9

### 1.2.2 DETAILS OF CAPACITY ADDITION (MW) DURING 11<sup>TH</sup> PLAN (MW) (AS PER MID TERM TARGET)

Mode-wise	Mid-Term Target	Slipped	CAPACITY ADDITION		
			From Target	Additional	Total
THERMAL	50756.9	9142	41614.9	6925	48539.9
HYDRO	8237	2693	5544	0	5544
NUCLEAR	3380	2500	880	0	880
TOTAL	62373.9	14335	48038.9	6925	54963.9

### 1.2.3 YEAR-WISE TOTAL CAPACITY COMMISSIONED DURING 11<sup>TH</sup> PLAN

#### 1.2.3a TOTAL CAPACITY COMMISSIONED DURING 2007-08 (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	1990	1030	220	3240
STATE	3880	1393	-	5273
PRIVATE	750	-	-	750
TOTAL	6620	2423	220	9263

#### 1.2.3b TOTAL CAPACITY COMMISSIONED DURING 2008-09 (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	750	-	-	750
STATE	852.2	969	-	1821.2
PRIVATE	882.5	-	-	882.5
TOTAL	2484.7	969	-	3453.7

#### 1.2.3c TOTAL CAPACITY COMMISSIONED DURING 2009-10 (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	1740	-	440	2180
STATE	3079	39	-	3118
PRIVATE	4287	-	-	4287
TOTAL	9106	39	440	9585

#### 1.2.3d TOTAL CAPACITY COMMISSIONED DURING 2010-11 (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	3740.0	320	220	4280.0
STATE	2581.0	178	-	2759.0
PRIVATE	4929.5	192	-	5121.5
TOTAL	11250.5	690	220	12160.5

1.2.3 e TOTAL CAPACITY COMMISSIONED DURING 2011-12 (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	4570.0	200	-	4770.0
STATE	3638.2	123	-	3761.2
PRIVATE	10870.5	1100	-	11970.5
TOTAL	19078.7	1423	-	20501.7

1.3.1 CAPACITY ADDITION (MW) PROGRAMME DURING 12<sup>TH</sup> PLAN

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	14878	6004	5300	26182
STATE	13922	1608	0	15530
PRIVATE	43540	3285	0	46825
TOTAL	72340	10897	5300	88537

1.3.2 DETAILS OF CAPACITY ADDITION (MW) DURING 12<sup>TH</sup> PLAN (up to 30.09.16)

Mode-wise	Target	CAPACITY ADDITION		
		From Target	Additional	Total
THERMAL	72340	51519.7	32268.5	83788.2
HYDRO	10897	4066.01	65	4131.01
NUCLEAR	5300	1000	0	1000
TOTAL	88537	56585.7	32333.5	88919.21

1.3.3 TOTAL CAPACITY (MW) COMMISSIONED DURING 2012-13

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	5023.3	374	-	5397.3
STATE	3911.0	57	-	3968.0
PRIVATE	11187.5	70	-	11257.5
TOTAL	20121.8	501	-	20622.8

1.3.4 TOTAL CAPACITY (MW) COMMISSIONED DURING 2013-14 (QUARTERWISE)

SECTOR	THERMAL					HYDRO	NUCLEAR	Total
	Q-1	Q-2	Q-3	Q-4	Total			
CENTRAL	0	0	1160	500	1660	914	0	2574
STATE	250	871	850	1351	3322	45	0	3367
PRIVATE	2130	1250	1815	6590	11785	99	0	11884
TOTAL	2380	2121	3825	8441	16767	1058	0	17825

1.3.5 TOTAL CAPACITY (MW) COMMISSIONED DURING 2014-15 (QUARTER-WISE)

SECTOR	THERMAL					HYDRO	NUCLEAR	Total
	Q-1	Q-2	Q-3	Q-4	Total			
CENTRAL	0	600	363.3	1695.9	2659.2	736.01	1000	4395.21
STATE	1276.1	800	600	2210.0	4886.1	0	0	4886.10
PRIVATE	2755.0	3280	600	6650.0	13285.0	0	0	13285.00
TOTAL	4031.1	4680	1563.3	10559.9	20830.3	736.01	1000	22566.31

**1.3.6 TOTAL CAPACITY (MW) COMMISSIONED DURING 2015-16 (QUARTER-WISE)**

SECTOR	THERMAL					HYDRO	NUCLEAR	Total
	Q-1	Q- 2	Q-3	Q-4	Total			
CENTRAL	250	1000	0	2045.6	3295.6	480	0	3775.6
STATE	1100	250	1100	4010.0	6460.0	610	0	7070
PRIVATE	1200	2386	2584	6535.0	12705.0	426	0	13131
TOTAL	2550	3636	3684	12590.6	22460.6	1516	0	23976.6

**1.3.7 TOTAL CAPACITY (MW) COMMISSIONED DURING 2016-17 (QUARTER-WISE)(up to 30.09.2016)**

SECTOR	THERMAL					HYDRO	NUCLEAR	Total
	Q-1	Q- 2	Q-3	Q-4	Total			
CENTRAL	0	25.5			25.5	80	0	105.5
STATE	250	500			750	240	0	990
PRIVATE	1260	1573			2833	0	0	2833
TOTAL	1510	2098.5	0	0	3608.5	320	0	3928.5

**1.3.8 THERMAL / HYDRO/NUCLEAR CAPACITY ADDITIONS DURING 12<sup>TH</sup> PLAN (MW)**

YEAR	THERMAL	HYDRO	NUCLEAR	Total
2012-13	20121.8	501		20622.8
2013-14	16767	1058		17825
2014-15	20830.3	736.01	1000	22566.31
2015-16	22460.6	1516	0	23976.6
2016-17 (Upto 30.09.16)	3608.5	320	0	3928.5
Total	83788.2	4131.01	1000	88919.21

**2. Plan wise Thermal Capacity Targets / Achievements (from 4<sup>th</sup> Plan onwards )**

Plan	Target (MW) (Original)	Capacity (MW) Addition	% Achieved
4th Plan (1969-74)	5746.00	2007.90	34.94
5th Plan (1974-79)	7845.00	6148.73	78.38
Annual Plan (1979-80)	2265.00	1216.87	53.72
6th Plan (1980-85)	14898.00	10605.84	71.19
7th Plan (1985-90)	15999.00	17093.40	106.84
Annual Plan (1990-91)	3962.00	2364.00	64.03

<b>Annual Plan (1991-92)</b>	<b>4512.00</b>	<b>2370.50</b>	<b>52.54</b>
<b>8th Plan (1992-97)</b>	<b>20156.00</b>	<b>13554.90</b>	<b>67.20</b>
<b>9th Plan (1997-02)</b>	<b>29550.70</b>	<b>13800.90</b>	<b>46.71</b>
<b>10th Plan (2002-07)</b>	<b>25416.20</b>	<b>12114.24</b>	<b>47.66</b>
<b>11th Plan (2007-12)</b>	<b>59693.00</b>	<b>48539.90</b>	<b>81.32</b>
<b>12th Plan (2012-13)</b>	<b>15154.3</b>	<b>20121.80</b>	<b>132.77</b>
<b>12th Plan (2013-14)</b>	<b>15234.3</b>	<b>16767.00</b>	<b>110.10</b>
<b>12th Plan (2014-15)</b>	<b>14988.3</b>	<b>20830.30</b>	<b>138.97</b>
<b>12th Plan (2015-16)</b>	<b>17346.1</b>	<b>22460.60</b>	<b>129.48</b>
<b>12th Plan (2016-17)*</b>	<b>13440.5</b>	<b>3608.5</b>	

\*Capacity addition achieved up to 30/09/2016

## 2.1 Year/Plan wise Thermal Capacity Addition in the Country

Sl. No.	Year	Capacity Addition (MW)	Remarks
<b>1st Five Year Plan (1.1.51 to 31.12.55)</b>			
1	1951	107.02	
2	1952	86.33	
3	1953	227.43	
4	1954	126.64	
5	1955	54.69	
	<b>Total :</b>	<b><u>602.11</u></b>	
<b>2nd Five Year Plan (1.1.56 to 31.03.61)</b>			
6	1956-57	69.36	
7	1957-58	184.49	
8	1958-59	140.65	
9	1959-60	193.18	
10	1960-61	<u>393.37</u>	
	<b>Total :</b>	<b><u>981.05</u></b>	
<b>3rd Five Year Plan (1.4.61 to 31.03.66)</b>			
11	1961-62	63.33	
12	1962-63	65.12	
13	1963-64	544.08	
14	1964-65	599.02	
15	1965-66	<u>895.34</u>	
	<b>Total :</b>	<b><u>2166.89</u></b>	
<b>Annual Plans (1966-67, 67-68, 68-69)</b>			
16	1966-67	431.67	
17	1967-68	1061.29	
18	1968-69	654.12	
	<b>Total :</b>	<b><u>2147.08</u></b>	
<b>4th Five Year Plan (1.4.69 to 31.03.74)</b>			
19	1969-70	497.32	
20	1970-71	358.04	

SL No.	Year	Capacity Addition(MW)	Remarks
21	1971-72	317.04	
22	1972-73	653.54	
23	1973-74	<u>181.96</u>	
	<b>Total :</b>	<b><u>2007.9</u></b>	
	<b>5th Five Year Plan (1.4.74 to 31.03.79)</b>		
24	1974-75	1089.18	
25	1975-76	866.02	
26	1976-77	790.23	
27	1977-78	1204.8	
28	1978-79	<u>2198.5</u>	
	<b>Total :</b>	<b><u>6148.73</u></b>	
29	1979-80	<b>1216.87</b>	
	<b>6th Five Year Plan (1.4.80 to 31.03.85)</b>		
30	1980-81	1138.6	
31	1981-82	1749.82	
32	1982-83	2135.13	
33	1983-84	2940.89	
34	1984-85	<u>2641.4</u>	
	<b>Total :</b>	<b><u>10605.84</u></b>	
	<b>7th Five Year Plan (1.4.85 to 31.03.90)</b>		
35	1985-86	2977.00	
36	1986-87	1920.00	
37	1987-88	3912.00	
38	1988-89	4117.30	
39	1989-90	<u>4167.00</u>	
	<b>Total :</b>	<b><u>17093.30</u></b>	
	<b>Annual Plans (1990-91, 91-92)</b>		
40	1990-91	<b>2364.00</b>	
41	1991-92	<b>2370.50</b>	
	<b>8th Five Year Plan (1.4.92 to 31.03.97)</b>		
42	1992-93	2944.32	
43	1993-94	3741.6	
44	1994-95	3928.5	
45	1995-96	1976.5	
46	1996-97	<u>963.00</u>	
	<b>Total :</b>	<b><u>13553.92</u></b>	
	<b>9th Five Year Plan (1.4.97 to 31.03.2002)</b>		
47	1997-98	2993.50	
48	1998-99	3724.50	
49	1999-2000	2696.00	
50	2000-01	2277.90	
51	2001-02	<u>2009.00</u>	
	<b>Total :</b>	<b><u>13700.9</u></b>	
	<b>10th Five Year Plan (1.4.02 to 31.03.07)</b>		
52	2002-03	2223.10	
53	2003-04	1361.60	
54	2004-05	2933.92	



SL No.	Year	Capacity Addition(MW)	Remarks
55	2005-06	1588.80	
56	2006-07	<u>4006.80</u>	
	<b>Total :</b>	<b><u>12114.22</u></b>	
<b>11th Five Year Plan (1.4.07 to 31.03.12)</b>			
57	2007-08	6620.00	
58	2008-09	2484.70	
59	2009-10	9106.00	
60	2010-11	11250.5	
61	2011-12	<u>19078.7</u>	
	<b>Total</b>	<b><u>48539.90</u></b>	
<b>12th Five Year Plan (1.4.12 to 31.03.17)</b>			
62	2012-13	20121.80	
63	2013-14	16767.00	
64	2014-15	20830.30	2nd Highest
65	2015-16	22460.60	Highest till date
65	2016-17	<u>3608.50</u>	
	<b>Total</b>	<b><u>83788.20</u></b>	Up to 30.09.2016

Note: Figures from 1951 to 1984-85 indicate uprated/derated capacities

### 3. Thermal Projects Commissioned During the year 2012-13

S.No	Project Name & Unit No./ Implementing Agency	Capacity ( MW)	Date of Commissioning
<b>Central Sector</b>			
1	Mouda TPP, U-1, NTPC	500	19.04.12(A)
2	Rihand STPS-III, U-5, NTPC	500	25.05.12(A)
3	Sipat TPP, U-3, NTPC	660	02.06.12(A)
4	Vindhyachal U – 11, NTPC	500	14.06.12(A)
5	Indira Gandhi TPP, U-3, NTPC	500	07.11.12(A)
6	Koderma U-2, DVC	500	15.02.13(A)
7	Tripura Gas Model-1, ONGC	363.3	03.01.13(A)
8	Vallur TPP Ph-I, U-2, NTECL	500	28.02.13(A)
9	Vindhyachal U – 12, NTPC	500	22.03.13(A)
10	Mouda TPP, U-2, NTPC	500	29.03.13(A)
11	<b>Total Central Sector</b>	<b>5023.3</b>	
<b>State Sector</b>			
12	Parichha Extn., U-5, UPRVUNL	250	24.05.12(A)
13	Harduaganj, U-9, UPRVUNL	250	25.05.12(A)

14	Pragati CCGT - III , GT-3, PPCL	250	27.06.12(A)
15	Mettur TPP Extn. U-1	600	11.10.12(A)
16	Ukai TPP, U-6, GSECL	500	05.03.13(A)
17	North Chennai Extn., U-2, TNEB	600	09.03.13(A)
18	Parichha Extn., U-6, UPRVUNL	250	11.03.13(A)
19	Ramgarh GT, RRVUNL	110	20.03.13(A)
20	Korba West Extn., St.III TPP, CSEB	500	22.03.13(A)
21	Satpura TPS Extn., U-10, MPPGCL	250	22.03.13(A)
22	Pipavav CCPP, Block-2, GSECL	351	27.03.13(A)
	<b>Total of State Sector</b>	<b>3911</b>	
<b>Private Sector</b>			
23	Jhajjar TPS(Mahatma Gandhi TPP), U-2, CLP Power	660	11.04.12(A)
24	Sterlite TPP, U-4, Sterlite Energy	600	25.04.12(A)
25	GEPL TPP, U-2, GEPL	60	28.04.12(A)
<b>S.No</b>	<b>Project Name &amp; Unit No./ Implementing Agency</b>	<b>Capacity ( MW)</b>	<b>Date of Commissioning</b>
26	Salaya TPP, U-2, Essar Power	600	13.06.12(A)
27	Kasaipalli TPS, U-2, ACB India	135	21.06.12(A)
28	Simhadri TPP Ph-I, U-2 Madhucon	150	02.07.12(A)
29	Mundra UMPP, U-2, Tata Power Co.	800	25.07.12(A)
30	Bina TPP, U-1, Bina Power Ltd,	250	12.08.12(A)
31	Butibori TPP, U-1, Vidharba Ind. Ltd	300	17.08.12(A)
32	Thamminapatnam TPP, U-1, MEPL	150	09.09.12(A)
33	Tirora TPP, U-1, Adani Power Ltd.	660	11.09.11(A)
34	GEPL TPP, U-1, GEPL	60	08.09.12(A)
35	Mundra UMTTP, U-3, Tata Power Co.	800	16.10.12(A)
36	Mahadev Pd. TPP U-1, Adhunik Power Co. Ltd.	270	19.11.12(A)
37	Mundra UMTTP, U-4, Tata Power Co.	800	16.01.13(A)
38	Uno Sugan CCPP, Mod-1,Torrent Power Ltd	382.5	20.01.13(A)
39	Ratija TPP, U-1, SCPL	50	04.02.13(A)
40	Jallip-Kapurdi TPP, U-5, Raj West Power Ltd.	135	05.02.13(A)
41	EMCO Warora TPP, U-1, EMCO Energy Ltd, (GMR)	300	07.02.13(A)
42	Mahan TPP, U-1, Essar Power Ltd.	600	24.02.13(A)
43	Jallip-Kapurdi TPP, U-8, Raj West Power Ltd.	135	28.02.13(A)
44	Jallip-Kapurdi TPP, U-6, Raj West Power Ltd.	135	03.03.13(A)
45	Tuticorin TPP, U-1. Ind Barath	150	10.03.13(A)
46	Jallip-Kapurdi TPP, U-7, Raj West Power Ltd.	135	16.03.13(A)

47	Mundra UMTTP, U-5, Tata Power Co.	800	18.03.13(A)
48	Bela TPP-I, U-1, IEPL	270	20.03.13(A)
49	Tirora TPP, U-2, Adani Power Ltd.	660	25.03.13(A)
50	Amravathi TPP, U-1, Indiabulls	270	25.03.13(A)
51	Kamalanga TPP, U-1, GMR	350	28.03.13(A)
52	Mahadev Pd. TPP U-2, Adhunik Power Co. Ltd.	270	29.03.13(A)
53	Bina TPP, U-2, Bina Power Ltd,	250	31.03.13(A)
	<b>Total of Private Sector</b>	<b>11187.5</b>	
	<b>Total in 2012-13</b>	<b>20121.8</b>	

### 3 (a) . Thermal Projects Commissioned During the year 2013-14

S.No	Project Name & Unit No./ Implementing Agency	Capacity ( MW)	Date of Commissioning	Remarks
<b>Central Sector</b>				
1	Rihand STPP St-III, U-6, NTPC	500	07.10.13(A)	RFD
2	Barh STPP St-II, U-4, NTPC	660	30.11.13(A)	RFD
3	Vallur TPP Ph-I, NTPC	500	28.02.14(A)	RFD
	<b>Total Central Sector</b>	<b>1660</b>		
<b>State Sector</b>				
4	Pragati CCGT - III , GT-4, PPCL	250	07.05.13(A)	RFD
5	Rokhia CCPP, GT-9, Govt. Of Tripura	21	13.08.13(A)	Additional
6	North Chennai TPP Extn U-1, TNEB	600	13.09.13(A)	RFD
7	Chhabra TPP Ext U-3, RRVUNL	250	14.09.13(A)	RFD
8	Shree Singhaji (Malwa) TPP, U-1, MPPGCL	600	18.11.13(A)	RFD
9	Satpura TPS Ext, U-11, MPPGCL	250	25.12.13(A)	RFD
10	Pipavav JV CCGT, Block-I, GSECL	351	05.02.14(A)	RFD
11	Pragati CCGT-III, ST-2, PPCL	250	26.02.14(A)	RFD
12	Marwa TPP, Unit-1, CSEB	500	30.03.14(A)	RFD
13	Durgapur TPS Extn., U – 8, DPL	250	31.03.14(A)	Additional
	<b>Total of State Sector</b>	<b>3322</b>		
<b>Private Sector</b>				

14	Thaminapatnam TPP Phase-I, U-2, Meenakshi Energy Pvt. Ltd	150	17.04.13(A)	RFD
15	Kawai TPP, U-1, Adani Power	660	30.05.13(A)	Additional
16	Sasan UMPP, U-3, Reliance Power	660	25.05.13(A)	RFD
17	Tirora TPP, Phase-II, U-1, Adani Power	660	10.06.13(A)	RFD
18	Akaltara TPP, U-1, Wardha PCL(KSK)	600	13.08.13(A)	RFD
19	EMCO Warora TPP U-2, GMR EMCO Energy Ltd	300	27.08.13(A)	RFD
20	Kamalanga TPP, U-2, GMR	350	28.09.13(A)	RFD
21	Dhariwal Infrastructure TPP, U-1, Dhariwal Infrastructure (P), Ltd.	300	03.11.13(A)	RFD
22	Niwati TPP, U-1, BLA Power LTD	45	01.12.13(A)	Additional
23	Sasan UMPP, U-2, Reliance Power	660	20.12.13(A)	RFD
24	Kawai TPP, U-2, Adani Power Rajasthan Ltd	660	24.12.13(A)	Additional
25	Tuticorin TPP, U-2. Ind Barath	150	30.12.13(A)	Additional
26	Degen CCPP, Block-I, Torrent Power	400	12.01.14(A)	Additional
27	Rajpura TPP, U-1, Nabha Power	700	24.01.13(A)	Additional
28	Amravati TPP Ph-I, U-2, India Bulls Power Ltd	270	17.02.14(A)	Additional
29	Simhapuri TPS Ph-II, U-3, Simhapuri Energy Pvt Ltd	150	21.02.14(A)	Additional
30	DB Power TPP, Unit-1, DB Power Ltd	600	23.02.14(A)	RFD
31	Nasik TPP Ph-I, U-1, India Bulls Power Ltd	270	25.02.14(A)	RFD
32	Degan CCPP, Block-3, Torrent Power	400	09.03.14(A)	Additional
33	Tamnar TPP, U-1, Jindal Power	600	10.03.14(A)	RFD
34	Kamalang TPP, U-3, GMR Energy	350	21.03.14(A)	Additional
35	Tirora TPP Ph-II, U-2, Adani Power	660	23.03.14(A)	Additional
36	Sasn UMPP, U-4, reliance Power	660	25.03.14(A)	Additional
37	Chakabura TPP, U-1, ACBIL	30	28.03.14(A)	Additional
38	Tamnar TPP, U-2, Jindal Power	600	30.03.14(A)	Additional
39	Avantha Bhandar TPP, U-1, KWPCCL	600	31.03.14(A)	Additional
40	Butibori TPP Ph-I, U-2, Vidarbha Industries Power Ltd.	300	31.03.14(A)	Additional
	<b>Total Private Sector</b>	<b>11785</b>		
	<b>Total Thermal Capacity Addition in 2013-14</b>	<b>16767</b>		

### 3 (b). Thermal Projects Commissioned During the year 2014-15

S.No	Project Name & Unit No./ Implementing Agency	Capacity ( MW)	Date of Commissioning	Remarks
<b>Central Sector</b>				
1	Raghunathpur TPP Phase-I, Unit-1, DVC	600	24.08.14(A)	RFD
2	Palatana CCPP, Block-2, OTPC (JV of ILFS, ONGC & Tripura Govt.)	363.3	16.11.14(A)	RFD

3	Neyveli TPS-II Exp. , U-2, NLC	250	24.01.15(A)	Additional
4	Barh STPP-II, Unit-5, NTPC	660	04.03.15(A)	RFD
5	Tuticorin JV, U-1, NTPL ( JV- NLC & TANGEDCO)	500	10.03.15(A)	RFD
6	Agartala CCPP, ST-1, NEEPCO	25,5	22.03.15(A)	Additional
7	Monarchak CCPP, GT, NEEPCO	65,4	30.03.15(A)	Additional
8	Muzaffarpur TPP Exp ,U-3, JV - NTPC & BSEB	195	31.03.15(A)	RFD
	<b>Total Central Sector</b>	<b>2659.2</b>		
<b>State Sector</b>				
9	Ramgarh CCPP, ST, RRVUNL	50	01.05.14(A)	RFD
10	Kalisindh TPP, Unit-1, RRVUNL	600	02.05.14(A)	RFD
11	Dhuvraan CCPP, Unit – 1, GSECL	376.1	21.05.14(A)	Additional
12	Chhabra TPP, U-4, RRVUNL	250	30.06.14(A)	RFD
13	Damodaran Sanjeevaiah TPP, U-1, APPDCL	800	28.08.14(A)	RFD
14	Malwa (Shree Singaji) TPP, Unit-2, MPPGCL	600	15.10.14(A)	RFD
15	Damodaran Sanjeevaiah TPP, U-2, APPDCL	800	17.03.15(A)	RFD
16	Sikka TPP Extn. (SS), U-3, GSECL	250	29.03.15(A)	Additional
17	Chandrapur TPS , U-8, MSPGCL	500	29.03.15(A)	RFD
18	Koradi TPP Expn., U-8, MSPGCL	660	30.03.15(A)	RFD
	<b>Total of State Sector</b>	<b>4886.1</b>		
<b>Private Sector</b>				
19	SaloraTPP, U-1, Vandana Vidyut Ltd	135	10.04.14 (A)	RFD
20	D gen CCPP, Block - 2, Torrent Power	400	23.04.14 (A)	Additional
21	Derang TPP, U- 1, JPL	600	10.05.14 (A)	RFD
22	Sasan UMPP, U-1, SPL	660	21.05.14 (A)	Additional
23	Dhariwal TPP, U-2, Dhariwal Industries Ltd	300	28.05.14 (A)	RFD
24	Talwandi Sabo TPP U - 1, Sterlite	660	17.06.14 (A)	RFD
25	Rajpura TPP, U-2, Nabha Power Ltd.	700	06.07.14 (A)	RFD
26	Akaltara TPP, U-2, ASK	600	22.08.14 (A)	Additional
27	Sasan UMPP, U-5, SPL	660	24.08.14 (A)	Additional
28	Nigrie TPP, U-1, JPVL	660	29.08.14 (A)	Additional
29	Tirora TPP Phase-II, APMPL	660	25.09.14 (A)	Additional

30	Mutiara TPP, U-1, Coastal Energen	600	02.12.14 (A)	Additional
31	Tamnar (TPP) Raigarh, U-3, Jindal Power	600	07.01.15 (A)	Additional
32	Haldia TPP-I, Unit-1, M/s Haldia Energy Ltd.	300	14.01.15 (A)	RFD
33	Derang TPP, U- 2, JPL	600	24.01.15(A)	Additional
34	Amravati TPP Ph-I, Unit-3, India Bulls	270	29.01.15 (A)	RFD
35	Painampuram TPP, U-1, Thermal Power Tech Corp.Ltd	660	07.02.15 (A)	RFD
36	Haldia TPP-I, Unit-2, M/s Haldia Energy Ltd.	300	16.02.15(A)	Additional
37	Nigrie TPP, U-2, JPVL	660	17.02.15 (A)	Additional
38	Raikheda TPP, U-1, GMR Chhattisgarh	685	27.02.15(A)	Additional
39	Amravati TPP Ph-I, Unit-4, India Bulls	270	04.03.15(A)	Additional
40	Simhapuri Ph-II,U-4, Simhapuri Energy Power Ltd	150	06.03.15 (A)	Additional
41	Amravati TPP Ph-I, Unit-5, India Bulls	270	12.03.15(A)	Additional
42	Sasan UMPP, U-6, SPL	660	19.03.15 (A)	Additional
43	Badadarha TPP, U-2, D.B.Power Ltd.	600	24.03.15(A)	Additional
44	Tamnar (TPP) Raigarh, U-4, Jindal Power	600	26.03.15(A)	Additional
45	Swastic Korba, Unit-1, ACB India Ltd.	25	31.03.15 (A)	RFD
	<b>Total Private Sector</b>	<b>13285</b>		
	<b>Total Thermal Capacity Addition in 2014-15</b>	<b>20830.3</b>		

### 3 (c). Thermal Projects Commissioned During the year 2015-16

S.No	Project Name & Unit No./ Implementing Agency	Capacity ( MW)	Date of Commissioning	Remarks
<b>Central Sector</b>				
1	Bongaigaon TPP, Unit-1, NTPC	250	22.06.15 (A)	RFD
2.	Tuticorin TPP, Unit-2, NLC	500	09.07.15 (A)	RFD
3.	Vindhyachal TPP-V, Unit-13, NTPC	500	06.08.15 (A)	RFD
	Monarchak CCPP, ST, NEEPCO	35.6	14.01.16 (A)	RFD
	Raghunathpur TPP-I, Unit-2, DVC	600	18.01.16 (A)	RFD
	Nabi Nagar TPP, Unit-1, NTPC	250	20.03.16 (A)	Additional
	Bokaro TPS 'A' Extn., Unit-1, DVC	500	22.03.16 (A)	Additional
	Mouda STPP-II, Unit-3, NTPC	660	28.03.16 (A)	Additional
	<b>Total Central Sector</b>	<b>3295.6</b>		
<b>State Sector</b>				
4.	Kalisindh TPP, Unit-1, RRVUNL	600	06.06.15 (A)	RFD
5.	Anpara-D TPS, Unit- 6, UPRVUNL	500	06.06.15 (A)	RFD

6.	Sikka TPS, Unit-4, GSECL	250	25.09.15( A)	RFD
7.	Sagardighi TPS Ext., Unit-3, WBPCL	500	14.12.15(A)	RFD
8	Kakatia TPS Extn., Unit-1, TGENCO	600	31.12.15(A)	RFD
9.	Bellary TPS St-III,Unit-1, KPCL	700	01.03.16 (A)	RFD
10.	Anpara-D TPS, Unit- 7, UPRVUNL	500	06.03.16 (A)	RFD
11.	Singareni TPP, Unit-1, Singareni Collieries	600	13.03.16 (A)	RFD
12.	Koradi TPS Extn, Unit-9, MSPGL	660	15.03.16 (A)	RFD
13.	Chandrapur TPS, Unit-9, MSPGL	500	21.03.16 (A)	RFD
14.	Yermarus TPP, Unit-1, KPCL	800	29.03.16 (A)	RFD
15.	Parli TPS, Unit-8, MSPGL	250	30.03.16 (A)	RFD
16.	Total of State Sector	6460		
<b>Private Sector</b>				
17.	Anuppur TPP Ph-I, Unit-1, MB Power(MP)	600	20.04.15 (A)	RFD
18.	BALCO TPP, Unit-1, BALCO Pvt Ltd	300	05.06.15 (A)	RFD
19.	Bandakhar TPP, Unit-1, M/s Maruti Clean (Chhattisgarh) Ltd.	300	19.06.15 (A)	RFD
20.	Lanco Kondapalli Extn., Ph-III(PS), Block-I, Lanco Kondapalli Power Co. Ltd. (LKPCCL).	371	07.08.15 (A)	Additional
21.	Painampuram TPP, Unit-2, M/s. Thermal Power Tech Corporation Ltd.	660	03.09.15 (A)	RFD
22.	Lanco Kondapalli Extn., Ph-III(PS), Block-II, LKPCCL	371	05.09.15 (A)	Additional
23.	Vemagiri CAPP-II (PS), Block-I, GMR Rajamundry Energy Ltd.	384	12.09.15 (A)	Additional
24	ITPCL TPP, Unit-1, IL&FS TNPC Ltd.	600	19.09.15(A)	Additional
25	Vemagiri CAPP-II (PS), Block-I, GMR Rajamundry Energy Ltd.	384	05.10.15 (A)	Additional
26	Uchpinda TPP, Unit-1, RKM Powergen Co	360	28.10.15(A)	RFD
27	Talwandi Sabo TPP, Unit-2, Tal. Sabo Power	660	30.10.15(A)	RFD
28	Prayagraj(Bara) TPP, Unit – 1, Prayagraj PGCL	660	25.12.15(A)	RFD
29	Vizag TPP, Unit-1, Hinduja National Power Co Ltd	520	27.12.15(A)	RFD
30	Melamaruthur(Mutiara) TPP, Unit-2, Coastal Energen	600	02.01.16(A)	Additional
31	Lalitpur TPP, Unit-2, Lalitpur Power Gen. Co. Ltd	660	08.01.16(A)	RFD
32	Uchpinda TPP, Unit-2, RKM Powergen Co	360	28.01.16(A)	Additional
33	Goindwal Sahib TPP, Unit-1, GVK Power	270	14.02.16(A)	Additional
34	Ind Bharat TPP(Odisha), Unit-1, Ind Barat	350	25.02.16(A)	RFD
35	Goindwal Sahib TPP, Unit-2, GVK Power	270	15.03.16(A)	Additional
36	Seioni TPP Ph-I, Unit-1, Jhabua Power Ltd.	600	22.03.16(A)	Additional

37	BALCO TPP, Unit-2, BALCO Pvt Ltd	300	24.03.16(A)	RFD
38	Lalitpur TPP, Unit-1, Lalitpur Power Gen. Co. Ltd	660	26.03.16(A)	Additional
39	Raikheda TPP, Unit-2, GMR Chhattisgarh	685	28.03.16(A)	RFD
40	Talwandi Sabo TPP, Unit-3, Tal. Sabo Power	660	29.03.16(A)	RFD
41	Vizag TPP, Unit-2, Hinduja National Power Co Ltd	520	30.03.16(A)	Additional
42	Anuppur TPP Ph-I, Unit-2, MB Power(MP)	600	30.03.16(A)	Additional
	<b>Total Private Sector</b>	<b>12705</b>		
	<b>Total Thermal Capacity Addition in 2015-16</b>	<b>22460.6</b>		

### 3 (d). Thermal Projects Commissioned during the year 2016-17

S.No	Project Name	Implementing Agency	Unit No.	Capacity ( MW)	Date of Commissioning	Remarks
<b>Central Sector</b>						
1	Agartalla Gas Based Power Project	NEEPCO	ST-1	25.5	23.08.16(D)/ 23.08.15(A)	RFD
	<b>Total Central Sector</b>			<b>25.5</b>		
<b>State Sector</b>						
2	BhavnagarTPP	BECL	Unit-1	250	16.05.16 (A)	RFD
3	Marwa TPS	CSPGCL	Unit-2	500	15.07.16(A)	RFD
	<b>Total of State Sector</b>			<b>750</b>		
<b>Private Sector</b>						
4	Lalitpur TPP	Lalitpur Power Gen. Co. Ltd	Unit-3	660	01.04.16(A)	RFD
5	GAMA CCGP Module-1	M/s. GAMA Infraprop Ltd	GT 1&2+ST	225	25.04.16(A)	Addl
6	ITPCL TPP	ILFS	Unit-2	600	18.04.16(A)	RFD
7	Mangaon CCGP	PGPL	Block-1	388	14.07.16(A)	Addl
8	Nawpara TPP	TRN	Unit-1	300	14.08.16(A)	RFD
9	Bara TPP	J.P.Power Ventures	Unit-2	660	06.09.16(A)	RFD
	<b>Total Private Sector</b>			<b>2833</b>		
	<b>Total Thermal Capacity Addition in 2016-17</b>			<b>3608.5</b>		



#### 4. Thermal Capacity Addition Target/Achievement for the year 2012-13

S.No	Project Name	Impl Agency	Targeted Cap. (MW)	Q1	Q2	Q3	Q4	Cap. (MW) Achieved
<b><i>CENTRAL SECTOR</i></b>								
1	Vindhyachal STPS-IV, U-11	NTPC	500		500			500
2	Rihand STPS- III, U-5	NTPC	500	500				500
3	Sipat-I, U-3	NTPC	660	660				660
4	Mouda TPP, U-1	NTPC	500		500			500
5	Indira Gandhi TPP, U-3	APCPL	500			500		500
6	Vallur TPP Ph I U-2	NTECL	500				500	500
7	Koderma TPP U-2	DVC	500			500		500
8	Tripura Gas, Module-1	ONGC	363.3			363.3		363.3
<b>Total -Central sector</b>			<b>4023.3</b>	<b>1160</b>	<b>1000</b>	<b>1363.3</b>	<b>500</b>	<b>4023.3</b>
<b><i>STATE SECTOR</i></b>								
9	Marwa TPP, U-1	CSEB	500				500	
10	Pragati CCGT - III , GT-3	PPCL	250		250			250
11	Pipavav CCGP, Block-2	GSECL	351				351	351
12	Ukai TPP Extn. U-6	GSECL	490			490		500
13	Ramgarh GT,	RRVUNL	110				110	110
14	Ramgarh ST	RRVUNL	50				50	
15	Satpura TPS Extn , U-10	MPPGCL	250				250	250
16	North Chennai Extn, U-2	TNEB	600				600	600
17	Mettur TPS Ext, U-1	TNEB	600	600				600
18	Parichha Extn, U-5	UPRVUNL	250	250				250
19	Parichha Extn, U-6	UPRVUNL	250		250			250
20	Harduaganj Ext, U-9	UPRVUNL	250	250				250
<b>Total -State sector</b>			<b>3951</b>	<b>1100</b>	<b>500</b>	<b>490</b>	<b>1861</b>	<b>3411</b>
<b><i>PRIVATE SECTOR</i></b>								
21	Simhapuri Ph-I, U-2	Madhucon	150		150			150
22	Thamminapatnam TPP-I	Meenakshi	150		150			150
23	Thamminapatnam TPP-I, U-2	Meenakshi	150			150		
24	Vandana Vidyut TPP, U-1	Vandana	135			135		
25	Kasaipalli TPP , U-2	ACB	135	135				135
26	Swastik Korba , U-1	ACB	25	25				
27	Mundra UMTTP, U-2	Tata Power	800			800		800
28	Salaya TPP, U-2	Essar Power	600		600			600
29	Jajjar TPS ( Mahatama Gandhi TPP) , U-2	CLP Power	660	660				660
30	Mahadev Pd, TPP, U-1	Adhunik Power	270		270			270
31	Corporate Power Ltd -Ph-I ( Maitrishi Usha), U-1	Corporate	270			270		
32	Butibori TPP Ph-II, U-1	RPL	300		300			300
33	Bela TPP-I, U-1	IEPL	270		270			270
34	EMCO Warora TPP, U-1	EMCO GMR)	300			300		300
35	Tirora TPP Ph-I, U-1	Adani Power	660		660			660
36	Tirora TPP Ph-I, U-2	Adani Power	660			660		660
37	Tirora TPP Ph-II, U-1	Adani Power	660				660	
38	Bina TPP, U-1	Bina Power	250		250			250
39	Jallipa-Kapurdi TPP, U-5	Raj West	135				135	135
40	Sterlite TPP, U-4	Sterlite	600	600				600
<b>Total -Private sector</b>			<b>7180</b>	<b>1420</b>	<b>2650</b>	<b>2315</b>	<b>795</b>	<b>5940</b>
<b>Total</b>			<b>15154.3</b>	<b>3680</b>	<b>4150</b>	<b>4168.3</b>	<b>3156</b>	<b>13374.3</b>
<b>Thermal</b>			<b>15154.3</b>					
<b>Overall Central Sector</b>			<b>4023.3</b>	<b>1160</b>	<b>1000</b>	<b>1363.3</b>	<b>500</b>	<b>4023.3</b>
<b>Overall State Sector</b>			<b>3951</b>	<b>1100</b>	<b>500</b>	<b>490</b>	<b>1861</b>	<b>3411</b>
<b>Overall Private Sector</b>			<b>7180</b>	<b>1420</b>	<b>2650</b>	<b>2315</b>	<b>795</b>	<b>5940</b>
<b>Total Thermal</b>			<b>15154.3</b>	<b>3680</b>	<b>4150</b>	<b>4168.3</b>	<b>3156</b>	<b>13374.3</b>
<b>Total Hydro</b>			<b>802</b>	<b>127</b>	<b>269</b>	<b>234</b>	<b>172</b>	<b>501</b>
<b>Grand Total of 2012-13</b>			<b>15956.3</b>	<b>3807</b>	<b>4419</b>	<b>4402.3</b>	<b>3328</b>	<b>13875.3</b>
<b>Additional Capacity</b>								
	Vindhyachal STPS-IV, U-12, NTPC							500
	Mouda TPP, U-2, NTPC							500
	Korba West Extn., St. III TPP, CSEB							500
	GEPL TPP, U-1, GEPL							60
	GEPL TPP, U-2, GEPL							60
	Mundra UMTTP, U-3, Tata Power							800
	Mundra UMTTP, U-4, Tata Power							800
	Mundra UMTTP, U-5, Tata Power							800
	Uno Sugan CCGP, Module-1, Torrent Power Ltd							382.5
	Ratija TPP, U-1, SCPL							50
	Mahan TPP, -1, Essar Power Ltd							600
	Jallipa-Kapurdi TPP, U-6, Raj West							135

Jallipa-Kapurdi TPP, U-7, Raj West								135
Jallipa-Kapurdi TPP, U-8, Raj West								135
Tuticorin TPP, U-1, Ind Barath								150
Amravati TPP, U-1, Indiabulls								270
Kamalanga TPP, U-1, GMR								350
Mahadev Pd, TPP, U-2, Adhunik Power Ltd								270
Bina TPP, U-2, Bina Power Ltd								250
Additional Total								6747.5
Thermal Total								20121.8

#### 4a. Thermal Capacity Addition Target (RFD)/Achievement during the Year 13-14

Sl. No.	Project Name	Developer	Capacity (MW)	Q1	Q2	Q3	Q4	Cap. (MW) Achieved
			2013-14					
	<b>Central Sector</b>							
1	Barh II U-4	NTPC	660			660		660
2	Vallur (Ennore) TPP U-3	NTPC/TNEB JV	500				500	500
3	Tuticorin TPPU-1	NLC/TNEB JV	500				500	
4	Tripura CCGT, Block-2	ONGC JV	363.3		363.3			
5	Rihand STPS-III U-6	NTPC	500			500		500
6	Raghunathpur TPP U-1	DVC	600				600	
	Sub-total		3123.3	0	363.3	1160	1600	1660
	<b>State Sector</b>							
7	Marwa TPP U- 1	CSEB	500		500			500
8	Pragati -III CCGT (Bawana) GT-4	PPCL	250	250				250
9	Pragati -III CCGT (Bawana) ST-2	PPCL	250		250			250
10	Pipavav JV CCGT Block-1	GSECL	351		351			351
11	Shree Singaji TPP U-1	MPPGCL	600	600				600
12	Satpura TPS U-11	MPPGCL	250			250		250
13	Chandrapur TPP Ext. U 8	MAHGenco	500			500		
14	Kalisindh TPP U1	RRVUNL	600			600		
15	Chhabra TPP Ext U-3	RRVUNL	250	250				250
16	Chhabra TPP Ext U-4	RRVUNL	250				250	
17	Ramgarh ST	RRVUNL	50			50		
18	North Chennai TPP Ext U-1	TNEB	600		600			600
	Sub-total		4451	1100	1701	1400	250	3051
	<b>Private Sector</b>							
19	Vizag TPP,U-1	Hinduja	520				520	
20	Thamminapatnam TPP U-2	Meenakshi Energy	150		150			150
21	Tamnar TPP U-1	Jindal Power	600				600	600
22	Vandana Vidyut TPP U-1	Vandana Vidyut	135	135				
23	D B Power TPP U-1	DB Power Ltd	600			600		600
24	Swastik Korba TPP U-1	ACB	25			25		
25	Akaltara TPP U-1	KSK Mahanadi	600		600			600
26	Sasan UMPP U-3	Reliance Power	660	660				660
27	Sasan UMPP U-2	Reliance Power	660		660			660
28	Nasik TPP Ph-I,U-1	India Bulls	270		270			270
29	Dhariwal Infrastructure (P) Ltd TPP U-1	Dhariwal Infrastructure	300	300				300

30	Dhariwal Infrastructure (P) Ltd TPP U-2	Dhariwal Infrastructure	300			300		
31	EMCO Warora TPP U-2	GMR EMCO Energy Ltd	300	300				300
32	Tiroda TPP Ph-II, U-1	Adani Power	660	660				660
33	Derang TPP U1	Jindal India Thermal Power	600			600		
34	Kamalanga TPP U-2	GMR Energy	350		350			350
35	Goindwal Sahib TPP U-1	GVK Industries	270	270				
36	Talwandi Sabo TPP U-1	Sterlite	660				660	
	Sub-total		7660	2325	2030	1525	1780	5150
	Total		15234.3	3425	4094.3	4085	3630	9861
		Capacity (MW)		Q1	Q2	Q3	Q4	
	Overall Central Sector	3123.3		0	363.3	1160	1600	1660
	Overall State Sector	4451		1100	1701	1400	250	3051
	Overall Private Sector	7660		2325	2030	1525	1780	5150
	Total Thermal	15234.3		3425	4094.3	4085	3630	9861
	Total Hydro	1198		347.5	329.5	185	336	1058
	Grand Total of 2013-14	16432.3		3772.5	4423.8	4270	3966	10919
	Additional Capacity							
	DPL TPS Extn, U-8, DPL							250
	Rokhia CCPP, U-9, Govt of Tripura							21
	Kawai TPP, U-1, Adani Power							660
	Kawai TPP, U-2, Adani Power							660
	Niwati TPP, U-1, BLA Power Ltd							45
	Tuticorin TPP, U-2, Ind Barath							150
	Rajpura TPP, U-1, Nabha Power							700
	Degen CCPP, Block-1, Torrent Power							400
	Amaravati TPP Ph-I, U-2, India bulls Power Ltd							270
	Simhapuri TPS Ph-II, U-3, Simhapuri Energy Pvt. Ltd.							150
	Degen CCPP, Block-2, Torrent Power							400
	Kamalanga TPP, U-3, GMR Energy							350
	Tirora TPP Ph-II, U-2, Adani Power							660
	Sasn UMPP, U-4, Reliance Power							660
	Tamnar TPP, U-2, Jindal Poer							600
	Chakabura tPP, U-1, ACBIL							30
	Avantha Bhandar TPP, U-1, KWPCCL							600
	Butibori TPP, Ph-II, U-2, Vidarbha Ind. Power Ltd.							300
	Additional Total Thermal							6906
	Total Thermal							16767
	Total Capacity (2013-14)							17825

**4b. Thermal Capacity Addition Target (RFD)/Achievement for the year 2014-15**

State	Project Name	Impl Agency	Unit No	Cap. (MW)	Q-1	Q-2	Q-3	Q-4	Cap. (MW) Achieved	
<b>CENTRAL SECTOR</b>										
Bihar	Barh STPP-II	NTPC	U-5	660				660	660	
	Muzaffarpur TPS Exp	KBUNL (JV of NTPC & BSEB)	U-3	195				195	195	
TN	Tuticorin TPP	NTPL( JV of NLC & TANGEDCO)	U-1	500			500		500	
			U-2	500				500		
Tripura	Palatana CCPP	OTPC (JV of ILFS, ONGC & Tripura Govt)	BLK-2	363.3		363.3			363.3	
WB	Raghunathpur TPP, Ph-I	DVC	U-1	600		600			600	
Sub Total Central Sector					2818.3	0	963.3	500	1355	2318.3
<b>STATE SECTOR</b>										
AP	Damodaram Sanjeevaiah TPP	APPDCL	U-1	800	800				800	
			U-2	800			800	800		
Chhattisgarh	Marwa TPP	CSPGCL	U-2	500			500			
Maharashtra	Chandrapur TPS	MSPGCL	U-8	500			500		500	
	Koradi TPS Expn.	MSPGCL	U-8	660			660		660	
	Koradi TPS Expn.	MSPGCL	U-9	660				660		
	Parli TPS Expn.	MSPGCL	U-8	250			250			
MP	Malwa TPP (Shree Singaji)	MPPGCL	U-2	600		600			600	
Rajasthan	Kalisindh TPP	RRVUNL	U-1	600	600				600	
	Kalisindh TPP		U-2	600			600			
	Ramgarh CCPP		ST	50		50			50	
	Chhabra TPP		U-4	250	250				250	
UP	Anpara-D TPS	UPRVUNL	U-6	500				500		
Sub Total State Sector					6770	1650	650	1910	2560	4260
<b>PRIVATE SECTOR</b>										
AP	Painampuram TPP	Thermal Power Tech Corp.Ltd	U-1	660			660		660	
	Vizag TPP	Hinduja National Power Corp.Ltd	U-1	520			520			
Chhattisgarh	Swastic Korba TPP	ACB India Ltd.	U-1	25			25		25	
	Salora TPP	Vandana Vidyut Ltd	U-1	135		135			135	
	Bandakhar TPP	Maruti Clean Coal	U-1	300				300		
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	U-3	270			270		270	
	Nasik TPP Ph-I	India Bulls Realtech	U-2	270		270				
	Dhariwal TPP	Dhariwal Infrastructure Ltd	U-2	300	300				300	
Orissa	Derang TPP	JIPL	U-1	600	600				600	
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	U-2	700		700			700	
	Talwandi Sabo TPP	M/s Sterlite	U-1	660	660				660	
		M/s Sterlite	U-2	660		660				
WB	Haldia TPP	M/s Haldia Energy Ltd.	U-1	300			300		300	

	<b>Sub Total Private Sector</b>		<b>5400</b>	<b>1560</b>	<b>1765</b>	<b>1775</b>	<b>300</b>	<b>3650</b>
	<b>Total Thermal</b>		<b>14988.3</b>	<b>3210</b>	<b>3378.3</b>	<b>4185</b>	<b>4215</b>	<b>10228.3</b>
				<b>Q-1</b>	<b>Q-2</b>	<b>Q-3</b>	<b>Q-4</b>	
	<b>Overall Central Sector</b>		<b>2818.3</b>	<b>0</b>	<b>963.3</b>	<b>500</b>	<b>1355</b>	<b>2318.3</b>
	<b>Overall State Sector</b>		<b>6770</b>	<b>1650</b>	<b>650</b>	<b>1910</b>	<b>2560</b>	<b>4260.0</b>
	<b>Overall Private Sector</b>		<b>5370</b>	<b>1560</b>	<b>2035</b>	<b>1775</b>	<b>0</b>	<b>3650.0</b>
	<b>Total Thermal</b>		<b>14958.3</b>	<b>3210</b>	<b>3648.3</b>	<b>4185</b>	<b>3915</b>	<b>10228.3</b>
	<b>Total Hydro</b>		<b>842</b>	<b>206</b>	<b>235.0</b>	<b>65</b>	<b>336</b>	<b>336.01</b>
	<b>Grand Total of 2014-15</b>		<b>15800.3</b>	<b>3416</b>	<b>3883.3</b>	<b>4250</b>	<b>4251</b>	<b>10564.31</b>
	<b>Additional Capacity</b>							
	<b>D gen CCPP, Block-1, Torrent Power(P)</b>							<b>400</b>
	<b>Dhuvran CCPP, Unit-1, GSECL(S)</b>							<b>376.1</b>
	<b>Sasan UMPP, Unit-1, SPL</b>							<b>660</b>
	<b>Akaltara TPP, Unit-2, KSK</b>							<b>600</b>
	<b>Sasan UMPP, Unit - 5, SPL</b>							<b>660</b>
	<b>Nigrie TPP, Unit – 1,JPVL,</b>							<b>660</b>
	<b>Tirora TPP Phase-II, Adani Power Maharashtra Pvt. Ltd.</b>							<b>660</b>
	<b>Mutiara TPP Unit-1, Coastal Energen</b>							<b>600</b>
	<b>Tamnar TPP, Unit-3, Jindal Power</b>							<b>600</b>
	<b>Neyveli TPS-II Exp. , U-2, NLC</b>							<b>250</b>
	<b>Derang TPP, U- 2, JPL</b>							<b>600</b>
	<b>Haldia TPP-I, Unit-2, M/s Haldia Energy Ltd.</b>							<b>300</b>
	<b>Nigrie TPP, U-2, JPVL</b>							<b>660</b>
	<b>Raikheda TPP, U-1, GMR Chhattisgarh</b>							<b>685</b>
	<b>Amravati TPP Ph-I, Unit-4, India Bulls</b>							<b>270</b>
	<b>Simhapuri Ph-II,U-4, Simhapuri Energy Power Ltd</b>							<b>150</b>
	<b>Amravati TPP Ph-I, Unit-5, India Bulls</b>							<b>270</b>
	<b>Sasan UMPP, U-6, SPL</b>							<b>660</b>
	<b>Agartala CCPP, ST-1, NEEPCO</b>							<b>25.5</b>
	<b>Badadarha TPP, U-2, D.B.Power Ltd.</b>							<b>600</b>
	<b>Tamnar (TPP) Raigarh, U-4, Jindal Power</b>							<b>600</b>
	<b>Sikka TPP Extn. (SS), U-3, GSECL</b>							<b>250</b>
	<b>Monarchak CCPP, GT, NEEPCO</b>							<b>65.4</b>
	<b>Additional Total Thermal</b>							<b>10602.0</b>
	<b>Total Thermal Capacity Addition</b>							<b>10228.3</b>
	<b>Total Capacity Addition</b>							<b>20830.3</b>

<b>4c. THERMAL CAPACITY ADDITION PROGRAMME (RFD) FOR THE YEAR 2015-16</b>									
State	Project Name	Impl Agency	Unit No	Cap. (MW)	Q1	Q2	Q3	Q4	Capacity (MW) Achieved
<b><u>CENTRAL SECTOR</u></b>									
Assam	Bongaigaon TPP	NTPC	U-1	250	250				250
Bihar	Muzafferpur	NTPC	U-4	195				195	
MP	Vindhyachal TPP-V	NTPC	U-13	500			500		500
Tripura	Agratala CCPP	NEEPCO	ST-1	25.5	25.5				
Tripura	Monarchak CCPP	NEEPCO	ST	35.6		35.6			35.6
TN	Tuticorin TPP	NLC	U-2	500		500			500
WB	Raghunathpur TPP, Ph-I	DVC	U-2	600				600	600
		<b>Total Central Sector</b>		<b>2106.1</b>	<b>275.5</b>	<b>535.6</b>	<b>500</b>	<b>795</b>	<b>1885.6</b>
<b><u>STATE SECTOR</u></b>									
Chhattisgarh	Marwa TPP	CSPGCL		U-4	500	500			
Gujarat	Sikka TPS	GSECL	U-4	250			250		250
Karnataka	Bellary TPS St-III	KPCL	U-3	700			700		700
Karnataka	Yermarus TPP	KPCL	U-1	800				800	800
Maharashtra	Chandrapur TPS	MSPGCL	U-9	500			500		500
Maharashtra	Koradi TPS Expn.	MSPGCL	U-9	660		660			660
Maharashtra	Koradi TPS Expn.	MSPGCL	U-10	660				660	
Maharashtra	Parli TPS	MSPGCL	U-8	250				250	250
Rajasthan	Kalisindh TPP	RVUNL	U-2	600	600				600
Telangana	Singareni TPP	Singareni Collieries Co Ltd	U-1	600				600	600
Telangana	Kakatiya TPS Extn.	T GENCO	U-1	600			600		600
UP	Anpara-D TPS	UPRVUNL	U- 6	500	500				500
UP	Anpara-D TPS	UPRVUNL	U- 7	500			500		500
WB	Sagardighi TPS-Extn	West Bengal	U-3	500		500			500
WB	Sagardighi TPS-Extn	West Bengal	U-4	500				500	
		<b>Total State Sector</b>		<b>8120</b>	<b>1100</b>	<b>1660</b>	<b>2550</b>	<b>2810</b>	<b>6460</b>
<b><u>PRIVATE SECTOR</u></b>									
AP	Painampuram TPP	Thermal Power Tech Corporation Ltd	U-2	660		660			660
AP	Vizag TPP	Hinduja National Power Corp. Ltd	U-1	520			520		520
Chhattisgarh	Bandakhar TPP	M/s Maruti Clean (Chhattisgarh) Ltd.	U-1	300	300				300
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	U-1	360	360				360
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	U-1	300	300				300
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	U-2	300		300			300
Chhattisgarh	Raikheda TPP	GMR	U-2	685			685		685
Chhattisgarh	Salora	Vandana Vidyut	U-2	135		135			

Maharashtra	Nasik	Ratan India (Nasik) Power Ltd	U-2	270				270	
MP	Anuppur TPP Ph-I	MB Power(MP)	U-1	600	600				600
Orissa	Ind Bharat TPP (Orissa)	Ind Barath	U-1	350			350		350
Punjab	Talwandi Sabo TPP	Talwandi Sabo Power Ltd	U-2	660	660				660
Punjab	Talwandi Sabo TPP	Talwandi Sabo Power Ltd	U-3	660			660		660
UP	Lalitpur TPP	Lalitpur Power Generation Co. Ltd (LPGCL)	U-1	660		660			660
UP	Prayagraj (Bara ) TPP	Prayagraj power Gen. Co. Ltd( J.P.Power Ventures)	U-1	660			660		660
		<b>Total Private Sector</b>		<b>7120</b>	2220	1755	2875	270	6715
<b>Grand Total 2015-16</b>				<b>17346.1</b>	<b>3595.5</b>	<b>3950.6</b>	<b>5925</b>	<b>3875</b>	<b>15060.6</b>
					Q-1	Q-2	Q-3	Q-4	
Overall Central Sector				2106.1	275.5	535.6	500	795	1885.6
Overall State Sector				8120	1100	1660	2550	2810	6460.0
Overall Private Sector				7120	2220	1755	2875	270	6715.0
Total Thermal				17346.1	3595.5	3950.6	5925	3875	15060.6
Total Hydro				1691	830	518	88	255	1516
Grand Total of 2015-16				19037.1	4425.5	4468.6	6013	4130	16576.6
Additional Capacity									
<b>Central Sector</b>									
Nabi Nagar TPP, NTPC				Unit-1					250
Bokaro TPS 'A' Extn., DVC				Unit-1					500
Mouda STPP-II				Unit-3					660
<b>Total Central Sector</b>									1410
<b>Private Sector</b>									
Lanco Kondapalli Extn., Ph-III (PS), Lanco Kondapalli Power Co. Ltd. (LKPCL).				Block-I					371
				Block-II					371
Vemagiri CCPP-II (PS), GMR Rajamundry Energy Ltd.				Block-I					384
				Block-II					384
Vizag TPP, Hinduja National Power Corp. Ltd				Unit-2					520
Uchpinda TPP, RKM Powergen (P) Ltd				Unit-2					360
Anuppur TPP Ph-I, MB Power(MP)				Unit-2					600
Seioni TPP, Jhabua Power Ltd.				Unit-1					600
Goindwal Sahib TPP, GVK Power				Unit-1					270
Goindwal Sahib TPP, GVK Power				Unit-2					270
ITPCL TPP, IL&FS TNPC Ltd.				Unit-1					600
Melamaruthur(Mutiara) TPP, Coastal Energen				Unit-2					600
Lalitpur TPP, LPGCL				Unit-2					660
<b>Total Private Sector</b>									5990
<b>Additional Total Thermal</b>									7400
<b>Total Thermal Capacity Addition</b>									22460.6
<b>Total Capacity Addition</b>									23976.6

4d. THERMAL CAPACITY ADDITION TARGET (RFD) FOR THE YEAR 2016-17									
State	Project Name	Imp Agency	Unit	Capacity (MW)	Quarter wise Phasing				Capacity (MW) Achieved
					Q1	Q2	Q3	Q4	
<b><u>CENTRAL SECTOR</u></b>									
Bihar	Nabinagar TPP	NTPC	2	250				250	
Maharashtra	Mauda STPP-II	NTPC	4	660				660	
Chhatisgarh	Lara STPP	NTPC	1	800				800	
Bihar	Kanti TPS St-II	NTPC	4	195		195			
Karnataka	Kudgi TPP	NTPC	1	800		800			
Tripura	Agartala Gas Based Power Project	NEEPCO	ST-1	25.5	25.5				25.5
<b>Total Central</b>				<b>2730.5</b>	<b>25.5</b>	<b>995</b>	<b>0</b>	<b>1710</b>	<b>25.5</b>
<b><u>STATE SECTOR</u></b>									
Assam	Namrup CCGT	APGCL	GT+ST	100		67	33		
Bihar	Barauni TPP	BSEB	8	250			250		
Chhatisgarh	Marwa TPS	CSPGCL	2	500	500				500
Gujrat	Bhavnagar TPP	BECL	1	250	250				250
Gujrat	Bhavnagar TPP	BECL	2	250			250		
Karnataka	Yermarus TPP	KPCL	2	800		800			
Maharashtra	Koradi TPP	MSPGCL	10	660			660		
Telangan	Singreni TPP	SCCL	2	600	600				
West Bengal	Sagardighi TPS-II	WBPCL	4	500			500		
<b>Total State Sector</b>				<b>3910</b>	<b>1350</b>	<b>867</b>	<b>1693</b>	<b>0</b>	<b>750</b>
<b><u>PRIVATE SECTOR</u></b>									
Chhatisgarh	Nawapara TPP	TRN	1	300	300				300
Chhatisgarh	Nawapara TPP	TRN	2	300			300		
Uttarpradesh	Bara TPP	Jaypee	2	660		660			660
Tamilnadu	Utkal TPP	Ind Barath	2	350			350		
Chhatisgarh	Ucchpinda TPP	RKM	3	360		360			
Tamilnadu	ITPCL TPP	ILFS	2	600	600				600
Orissa	Lanco Babandh TPP	Lanco Babandh	1	660				660	
Uttar pradesh	Lalitpur TPP	LPGCL	3	660	660				660
Maharashtra	Nashik TPP, Ph-I	Rattan Power	2	270	270				
Maharashtra	Nashik TPP, Ph-I	Rattan Power	3	270			270		
Andhra pradesh	NCC TPP	NCC	1	660		660			
Andhra pradesh	NCC TPP	NCC	2	660			660		
Chhatisgarh	Binjkote TPP	SKS	1	300			300		
Chhatisgarh	Athena Singhitari TPP	Athena Chhattisgarh	1	600			600		
West Bengal	Haldia TPP	India Power	1	150		150			
<b>Total Private Sector</b>				<b>6800</b>	<b>1830</b>	<b>1830</b>	<b>2480</b>	<b>660</b>	<b>2220</b>
<b>Grand Total 2016-17</b>				<b>13440.5</b>	<b>3205.5</b>	<b>3692</b>	<b>4173</b>	<b>2370</b>	<b>2995.5</b>
Overall Central Sector				<b>2730.5</b>	<b>25.5</b>	<b>995</b>	<b>0</b>	<b>1710</b>	<b>25.5</b>



Overall State Sector		<b>3910</b>	1350	867	1693	0	750
Overall Private Sector		<b>6800</b>	1830	1830	2480	660	2220
Total Thermal		<b>13440.5</b>	3205.5	3692	4173	2370	2995.5
Total Hydro		<b>1714</b>					320
<b>Grand Total of 2016-17</b>		<b>15154.5</b>					3315.5
<b>Additional Capacity</b>							
<b>Central Sector</b>							
							0
State Sector							
							0
Private Sector							
GAMA CCPP Module, M/s. GAMA Infraprop Ltd. Uttrakhand							225
Mangaon CCPP, PGPL, Maharastra							388
Additional Total Thermal							613
Total Thermal Capacity Addition							3608.5
Total Capacity Addition							3928.5

5 THERMAL POWER PROJECTS COMMISSIONED DURING 11TH PLAN

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Actual. Comm. Date</i>
<b>2007-08</b>					
<b><u>CENTRAL SECTOR</u></b>					
<i>Bihar</i>	Kahalgaon St-2,Ph-1	NTPC	U-6	500	16-03-08
<i>Chhattisgarh</i>	Sipat-II	NTPC	U-4	500	27-05-07
<i>Maharashtra</i>	Ratnagiri(Dhabol) Ph-II	RGPP	Block-3	740	28-10-07
<i>WB</i>	Mejia TPS	DVC	U-6	250	01-10-07
			<b>Sub Total :</b>	<b>1990</b>	
<b><u>STATE SECTOR</u></b>					
<i>AP</i>	Rayalseema TPP St-II	APGENCO	U-4	210	20-11-07
<i>Chhattisgarh</i>	Korba East TPP St-V	CSEB	U-2	250	11-12-07
<i>Gujarat</i>	Dhuvaran CCPP Extn.	GSECL	ST	40	13-08-07
<i>Haryana</i>	Yamuna Nagar TPP	HPGCL	U-1	300	13-11-07
			U-2	300	29-03-08
<i>Karnataka</i>	Bellary TPP	KPCL	U-1	500	03-12-07
<i>Maharashtra</i>	Paras TPS Expn,U-1	MSPGCL	U-1	250	31-05-07
<i>MP</i>	Sanjay Gandhi TPP Extn.-III	MPPGCL	U-5	500	18-06-07
<i>Punjab</i>	Guru Har Govind TPS-II	PSEB	U-3	250	03-01-08
<i>Rajasthan</i>	Dholpur CCGT	RRVUNL	GT-2	110	16-06-07
			ST	110	27-12-07
<i>WB</i>	Bakreshwar TPS	WBPDC	U-4	210	23-12-07
<i>WB</i>	Durgapur TPS Extn	DPL	U-7	300	24-11-07
<i>WB</i>	Sagardighi TPP	WBPDC	U-1	300	21-12-07
<i>WB</i>	Santalidih TPP Extn Ph-I	WBPDC	U-5	250	07-11-07
			<b>Sub Total :</b>	<b>3880</b>	
<b><u>PRIVATE SECTOR</u></b>					
<i>Chhattisgarh</i>	O.P.Jindal STPP	Jindal Power Ltd.	U-1	250	02-09-07
			U-2	250	06-03-08
			U-3	250	10-02-08
			<b>Sub Total :</b>	<b>750</b>	
			<b>Total :</b>	<b>6620</b>	
<b>2008-09</b>					
<b><u>CENTRAL SECTOR</u></b>					
<i>Chhattisgarh</i>	Bhilai TPP Expn	NSPCL	U-1	250	20-04-08
<i>Chhattisgarh</i>	Sipat-II	NTPC	U-5	500	27-12-08
			<b>Sub Total :</b>	<b>750</b>	
<b><u>STATE SECTOR</u></b>					
<i>MP</i>	Amarkantak TPP	MPPGCL	U-5	210	15-06-08
<i>Punjab</i>	Guru Har Govind TPS-II	PSEB	U-4	250	31-07-08
<i>TN</i>	Valuthur CCPP Extn.	TNEB	GT	59.8	06-05-08
			ST	32.4	16-02-09
<i>WB</i>	Sagardighi TPP	WBPDC	U-2	300	20-07-08
			<b>Sub Total :</b>	<b>852.2</b>	
<b><u>PRIVATE SECTOR</u></b>					
<i>Chhattisgarh</i>	O.P.Jindal STPP	Jindal Power Ltd.	U-4	250	17-06-08
<i>Gujarat</i>	Sugen CCPP(Akhakhoh)	Torrent Power Gen. Ltd.	Blk-I	382.5	04-02-09
<i>Maharashtra</i>	Trombay TPS Extn	Tata Power Company	U-8	250	26-03-09
			<b>Sub Total :</b>	<b>882.5</b>	
			<b>Total :</b>	<b>2484.7</b>	
<b>2009-10</b>					
<b><u>CENTRAL SECTOR</u></b>					
<i>Bihar</i>	Kahalgaon St-2,Ph-2	NTPC	U-7	500	31-07-09
<i>Chhattisgarh</i>	Bhilai TPP Expn	NSPCL	U-2	250	12-07-09
<i>Jharkhand</i>	Chandrapura TPS Extn.	DVC	U-7	250	04-11-09
			U-8	250	31-03-10
<i>UP</i>	NCP Project St-II, U-5	NTPC	U-5	490	29-01-10
			<b>Sub Total :</b>	<b>1740</b>	

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Actual. Comm. Date</i>
<b><u>STATE SECTOR</u></b>					
<b>AP</b>	Vijayawada TPP -IV	APGENCO	U-1	500	<b>08-10-09</b>
<b>Gujarat</b>	Kutch Lignite TPS Extn	GSECL	U-4	75	<b>01-10-09</b>
<b>Gujarat</b>	Utran CCPP Extn	GSECL	GT	240	<b>08-08-09</b>
			ST	134	<b>10-10-09</b>
<b>Haryana</b>	Rajiv Gandhi TPS,Hissar	HPGCL	U-1	600	<b>31-03-10</b>
<b>Maharashtra</b>	New Parli TPP	MSPGCL	U-2	250	<b>10-02-10</b>
<b>Maharashtra</b>	Paras TPS Expn,U-2	MSPGCL	U-2	250	<b>27-03-10</b>
<b>Rajasthan</b>	Chhabra TPS	RRVUNL	U-1	250	<b>30-10-09</b>
<b>Rajasthan</b>	Giral Lignite-II	RRVUNL	U-2	125	<b>06-11-09</b>
<b>Rajasthan</b>	Kota TPP	RRVUNL	U-7	195	<b>31-08-09</b>
<b>Rajasthan</b>	Suratgarh TPP	RRVUNL	U-6	250	<b>29-08-09</b>
<b>WB</b>	Bakreshwar TPS	WBPDCCL	U-5	210	<b>07-06-09</b>
			<b>Sub Total :</b>	<b>3079</b>	
<b><u>PRIVATE SECTOR</u></b>					
<b>AP</b>	Gautami CCPP	Gautami Power Ltd	GT-1	145	<b>03-05-09</b>
			GT-2	145	<b>03-05-09</b>
			ST	174	<b>03-05-09</b>
<b>AP</b>	Konaseema CCPP	Konaseema gas Power Ltd.	GT-1	140	<b>01-05-09</b>
			GT-2	140	<b>01-05-09</b>
<b>AP</b>	Lanco Kondapalli Ph-II (GT)	Lanco Kondapalli	GT	233	<b>05-12-09</b>
<b>Chhattisgarh</b>	Lanco AmarkantakTPS Ph-1,U-1	Lanco Amarkantak Power Pvt. Ltd.	U-1	300	<b>04-06-09</b>
<b>Chhattisgarh</b>	Lanco AmarkantakTPS Ph-1,U-2	Lanco Amarkantak Power Pvt. Ltd	U-2	300	<b>26-03-10</b>
<b>Gujarat</b>	Mundra TPP Ph-1(U-1&2)	Adani Power Ltd	U-1	330	<b>04-08-09</b>
			U-2	330	<b>17-03-10</b>
<b>Gujarat</b>	Sugen CCPP(Akhakhoh)	Torrent Power Gen. Ltd.	Blk-II	382.5	<b>07-05-09</b>
			Blk-III	382.5	<b>08-06-09</b>
<b>Karnataka</b>	Toranagallu TPP	JSW Energy(Vijayanagar)	U-1	300	<b>27-04-09</b>
			U-2	300	<b>24-08-09</b>
<b>Rajasthan</b>	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	U-1	135	<b>16-10-09</b>
<b>UP</b>	Rosa TPP Ph-I	Rosa Power Supply Co.Ltd.- Reliance Energy	U-1	300	<b>10-02-10</b>
<b>WB</b>	Budge-Budge- III	CESC	U-3	250	<b>29-09-09</b>
			<b>Sub Total :</b>	<b>4287</b>	
			<b>Total :</b>	<b>9106</b>	
<b>2010-11</b>					
<b><u>CENTRAL SECTOR</u></b>					
<b>AP</b>	Simhadri STPP Extn.	NTPC	U-3	500	<b>31-03-11</b>
<b>Chhattisgarh</b>	Korba STPP	NTPC	U-7	500	<b>26-12-10</b>
<b>Haryana</b>	Indira Gandhi TPP	APCPL	U-1	500	<b>31-10-10</b>
<b>Rajasthan</b>	Barsingsar Lignite	NLC	U-1	125	<b>28-06-10</b>
			U-2	125	<b>25-01-11</b>
<b>UP</b>	NCP Project St-II	NTPC	U-6	490	<b>30-07-10</b>
<b>WB</b>	Farakka STPS- III	NTPC	U-6	500	<b>23-03-11</b>
<b>WB</b>	<b>Mejia TPS Extn</b>	<b>DVC</b>	<b>U-1</b>	<b>500</b>	<b>30-09-10</b>
			<b>U-2</b>	<b>500</b>	<b>26-03-11</b>
			<b>Sub Total</b>	<b>3740</b>	
<b><u>STATE SECTOR</u></b>					
<b>AP</b>	Kakatiya TPP	APGENCO	U-1	500	<b>27-05-10</b>
<b>AP</b>	Rayalseema TPP St-III	APGENCO	U-5	210	<b>31-12-10</b>
<b>Delhi</b>	Pragati CCGT - III	PPCL	GT-1	250	<b>24-10-10</b>
			GT2	250	<b>16-02-11</b>
<b>Gujarat</b>	Surat Lignite TPP Extn.	GIPCL	U-3	125	<b>12-04-10</b>
			U-4	125	<b>23-04-10</b>
<b>Haryana</b>	Rajiv Gandhi TPS,Hissar	HPGCL	U-2	600	<b>01-10-10</b>
<b>Karnataka</b>	Raichur U-8	KPCL	U-8	250	<b>26-06-10</b>

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Actual. Comm. Date</i>
<b>Rajasthan</b>	Chhabra TPS	RRVUNL	U-2	250	<b>04-05-10</b>
<b>Tripura</b>	Baramura GT Extn.	TSECL	U-5	21	<b>03-08-10</b>
			<b>Sub Total :</b>	<b>2581</b>	
<b><u>PRIVATE SECTOR</u></b>					
<b>AP</b>	Konaseema CCPP	Konaseema gas Power Ltd.	ST	165	<b>30-06-10</b>
<b>AP</b>	Lanco Kondapalli Ph-II (ST)	Lanco Kondapalli	ST	133	<b>19-07-10</b>
<b>Delhi</b>	Rithala CCPP	NDPL	GT-1	35.75	<b>09-12-10</b>
			GT-2	35.75	<b>04-10-10</b>
<b>Gujarat</b>	Mundra TPP Ph-I(U-3&4)	Adani Power Ltd	U-3	330	<b>02-08-10</b>
			U-4	330	<b>20-12-10</b>
<b>Gujarat</b>	Mundra TPP Ph-II	Adani Power Ltd	U-1	660	<b>26-12-10</b>
<b>Karnataka</b>	Udupi TPP	UPCL	U-1	600	<b>23-07-10</b>
<b>Maharashtra</b>	JSW Ratnagiri TPP	JSW Energy(Ratnagiri) Ltd	U-1	300	<b>24-08-10</b>
			U-2	300	<b>09-12-10</b>
<b>Maharashtra</b>	Wardha Warora TPP	WPCL	U-1	135	<b>05-06-10</b>
			U-2	135	<b>10-10-10</b>
			U-3	135	<b>13-01-11</b>
<b>Orissa</b>	Sterlite TPP	Sterlite Energy Ltd.	U-1	600	<b>14-10-10</b>
			U-2	600	<b>29-12-10</b>
<b>Rajasthan</b>	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	U-2	135	<b>08-07-10</b>
<b>UP</b>	Rosa TPP Ph-I	Rosa Power Supply Co.Ltd.- Reliance Energy	U-2	300	<b>28-06-10</b>
			<b>Sub Total :</b>	<b>4929.5</b>	
			<b>Total :</b>	<b>11250.5</b>	
<b>2011-12</b>					
<b><u>CENTRAL SECTOR</u></b>					
<b>AP</b>	Simhadri STPP Extn.	NTPC	U-4	500	<b>30-03-12</b>
<b>Chhattisgarh</b>	Sipat-I	NTPC	U-1	660	<b>28-06-11</b>
			U-2	660	<b>24-12-11</b>
<b>Haryana</b>	Indira Gandhi TPP	APCPL	U-2	500	<b>05-11-11</b>
<b>Jharkhand</b>	Kodarma TPP	DVC	U-1	500	<b>20-07-11</b>
<b>TN</b>	Neyveli TPS-II Exp.	NLC	U-1	250	<b>04-01-12</b>
<b>TN</b>	Vallur TPP Ph I	NTECL	U-1	500	<b>28-03-12</b>
<b>WB</b>	Durgapur Steel TPS	DVC	U-1	500	<b>29-07-11</b>
			U-2	500	<b>23-03-12</b>
			<b>Sub Total :</b>	<b>4570</b>	
<b><u>STATE SECTOR</u></b>					
<b>AP</b>	Kothagudem TPP -VI	APGENCO	U-1	500	<b>26-06-11</b>
<b>Assam</b>	Lakwa Waste Heat Unit	APGCL	ST	37.2	<b>24-12-11</b>
<b>Delhi</b>	Pragati CCGT - III	PPCL	ST-1	250	<b>29-02-12</b>
<b>Gujarat</b>	Hazira CCPP Extn.	GSECL	GT+ST	351	<b>18-02-12</b>
<b>Karnataka</b>	Bellary TPP St-II	KPCL	U-2	500	<b>23-03-12</b>
<b>Maharashtra</b>	Bhusawal TPS Expn.	MSPGCL	U-4	500	<b>07-03-12</b>
			U-5	500	<b>30-03-12</b>
<b>Maharashtra</b>	Khaperkheda TPS Expn.	MSPGCL	U-5	500	<b>05-08-11</b>
<b>UP</b>	Harduaganj Ext	UPRVUNL	U-8	250	<b>27-09-11</b>
<b>WB</b>	Santalidih TPP Extn Ph-II	WBPCL	U-6	250	<b>29-06-11</b>
			<b>Sub Total :</b>	<b>3638.2</b>	
<b><u>PRIVATE SECTOR</u></b>					
<b>AP</b>	Simhapuri Energy Pvt.Ltd	Madhucon Projects Ltd	U-1	150	<b>24-03-12</b>
<b>Chhattisgarh</b>	Kasaipalli TPP	ACB India Ltd.	U-1	135	<b>13-12-11</b>
<b>Chhattisgarh</b>	Katghora TPP	Vandana Energy & Steel Ltd	U-1	35	<b>14-02-12</b>
<b>Chhattisgarh</b>	SV Power TPP	SV Power Pvt Ltd	U-1	63	<b>07-12-11</b>
<b>Delhi</b>	Rithala CCPP	NDPL	ST	36.5	<b>04-09-11</b>
<b>Gujarat</b>	Mundra TPP Ph-II	Adani Power Ltd	U-2	660	<b>20-07-11</b>
<b>Gujarat</b>	Mundra TPP Ph-III	Adani Power Ltd	U-1	660	<b>07-11-11</b>

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Actual. Comm. Date</i>
			U-2	660	03-03-12
			U-3	660	09-03-12
<b>Gujarat</b>	Mundra UMTTP	Tata Power Co.	U-1	800	25-02-12
<b>Gujarat</b>	Salaya TPP	Essar Power Gujarat Ltd.	U-1	600	22-02-12
<b>Haryana</b>	Jajjar TPP (Mahatama Gandhi TPP)	CLP Power India Pvt. Ltd	U-1	660	12-01-12
<b>Jharkhand</b>	Maithon RB TPP	DVC	U-1	525	30-06-11
			U-2	525	23-03-12
<b>Karnataka</b>	Udupi TPP	UPCL	U-2	600	17-04-11
<b>Maharashtra</b>	JSW Ratnagiri TPP	JSW Energy(Ratnagiri) Ltd	U-3	300	06-05-11
			U-4	300	08-10-11
<b>Maharashtra</b>	Mihan TPS	Abhijeet MADC Nagpur Energy Pvt Ptd	U-1	61.5	09-02-12
			U-2	61.5	09-02-12
			U-3	61.5	09-02-12
			U-4	61.5	09-02-12
<b>Maharashtra</b>	Wardha Warora TPP	WPCL	U-4	135	30-04-11
<b>Orissa</b>	Sterlite TPP	Sterlite Energy Ltd.	U-3	600	16-08-11
<b>Rajasthan</b>	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	U-3	135	02-11-11
<b>Rajasthan</b>	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	U-4	135	23-11-11
<b>UP</b>	Anpara-C	Lanco Anpara Power Pvt. Ltd.	U-1	600	15-11-11
			U-2	600	12-11-11
<b>UP</b>	Barkhera TPP	Bajaj Energy Pvt. Ltd	U-1	45	06-11-11
			U-2	45	28-01-12
<b>UP</b>	Khambarkhera TPP	Bajaj Energy Pvt. Ltd	U-1	45	17-10-11
			U-2	45	28-11-11
<b>UP</b>	Kundarki TPP	Bajaj Energy Pvt. Ltd	U-1	45	10-01-12
			U-2	45	29-02-12
<b>UP</b>	Maqsoodpur TPP	Bajaj Energy Pvt Ltd	U-1	45	03-11-11
			U-2	45	21-01-12
<b>UP</b>	Rosa TPP Ph-II	Reliance Power Ltd.	U-3	300	27-12-11
			U-4	300	28-03-12
<b>UP</b>	Utrala TPP	Bajaj Energy Pvt. Ltd	U-1	45	21-02-12
			U-2	45	19-03-12
			<b>Sub Total :</b>	<b>10870.5</b>	
			<b>Total :</b>	<b>19078.7</b>	
			<b>Total (11thPlan):</b>	<b>48539.9</b>	

## 6. Thermal Projects under construction and likely to be Commissioned during 12th Plan and beyond

State	Project Name	Impl Agency	Unit No	Cap. (MW)	BHEL (MW)	Non-BHEL (MW)	Chinese (MW)	Others (MW)
	<b>CENTRAL SECTOR</b>							
Assam	Bongaigaon TPP	NTPC	U-2	250	250	---	---	---
Assam	Bongaigaon TPP	NTPC	U-3	250	250	---	---	---
Bihar	Barh STPP- I	NTPC	U-1	660	---	---	---	660
Bihar	Barh STPP- I	NTPC	U-2	660	---	---	---	660
Bihar	Barh STPP- I	NTPC	U-3	660	---	---	---	660
Bihar	Muzaffarpur TPS Exp	JV of NTPC&BSEB	U-4	195	195	---	---	---
Bihar	Nabi Nagar TPP	JV of NTPC & Railways	U-2	250	250	---	---	---
Bihar	Nabi Nagar TPP	NTPC	U-3	250	250	---	---	---
Bihar	Nabi Nagar TPP	NTPC	U-4	250	250	---	---	---
Bihar	New Nabi Nagar STPP	JV of NTPC & BSEB	U-1	660	660	---	---	---
Bihar	New Nabi Nagar STPP	JV of NTPC & BSEB	U-2	660	660	---	---	---
Bihar	New Nabi Nagar STPP	NTPC	U-3	660	660	---	---	---
Chhattisgarh	Lara TPP	NTPC	U-1	800	---	800	TG- BGR/Hitachi	
Chhattisgarh	Lara TPP	NTPC	U-2	800	---	800	Boiler- Doosan	
Jharkhand	North Karnpura TPP	NTPC	U-1	660	660			
			U-2	660	660			
			U-3	660	660			
Karnataka	Kudgi STPP Ph-I	NTPC	U-1	800	---	TG- Toshiba Boiler- Doosan	800	
Karnataka	Kudgi STPP Ph-I	NTPC	U-2	800	---		800	
Karnataka	Kudgi STPP Ph-I	NTPC	U-3	800	---		800	
Maharashtra	Mouda STPS-II	NTPC	U-4	660	660	---	---	---
Maharashtra	SolapurSTPP	NTPC	U-1	660	---	660	TG-Alstom, Boiler- BGR	
Maharashtra	SolapurSTPP	NTPC	U-2	660	---	660	TG-Alstom, Boiler- BGR	
MP	Gadarwara STPP	NTPC	U-1	800	800	---	---	---
			U-2	800	800			
MP	Khargon TPP	NTPC	U-1	660	660	---	---	---
			U-2	660	660			
Odisha	Dashipalli STPP	NTPC	U-1	800	---	800	SG-BHEL, SGT- Toshiba	
			U-2	800	---	800		
Telangana	Telangana TPP Ph-I	NTPC	U-1	800	---	800		
			U-2	800	---	800		
TN	Neyveli New TPP	NLC	U-1	500	500			
			U-2	500	500			
UP	Ghatampur TPP	JV of NLC&UPSEB	U-1	660	---	660		
			U-2	660	---	660		
			U-3	660	---	660		
UP	Meja STPP	NTPC	U-1	660	---	660	TG – JSW -Toshiba Boiler- BGR Hitachi	
UP	Meja STPP	NTPC	U-2	660	---	660		
UP	Tanda TPS II	NTPC	U-1	660	660			
			U-2	660	660			
UP	Unchahar St-V	NTPC	U-6	500	500			
<b>Total Central Sector</b>				<b>25605</b>	<b>11805.0</b>	<b>9420.0</b>	<b>0</b>	<b>4380.0</b>

	<b>STATE SECTOR</b>							
AP	Dr. NT Rao TPS St-V	APGENCO	U-1	800		800		
AP	Rayalseema St-III U-6	APGENCO	U-6	600	600	---	---	---
AP	Sri Damodaran Sanjeevaiah TPS St-II	APGENCO	U-1	800		800		
Assam	Namrup CCGT	APGCL	GT	70	70	---	---	---
Assam	Namrup CCGT	APGCL	ST	30	30	---	---	---
Bihar	Barauni TPS Extn	BSPGCL	U-1	250	250			
			U-2	250	250			
Gujarat	Bhavnagar Lignite TPP	Bhavnagar Energy	U-2	250	250	---	---	---
Gujarat	Wankbori TPS Exten	GSECL	U-8	800	800	---	---	---
Karnataka	Yelahanka CCPP	KPCL	GT+ST	370	---	370		
Karnataka	Yemarus TPP	KPCL	U-2	800	---	800		
Maharashtra	Koradi TPS Expn.	MSPGCL	U-10	660	---	660	L&T	---
MP	Shri Singhaji TPP	MPPGCL	U-3	660	....	660	L&T	
			U-4	660	...	660	L&T	
Odisha	lb valley TPP	OPGC	U-1	660	660			
			U-2	660	660			
Rajasthan	Chhabra Super Critical TPP	RRVUNL	U-5	660		660		
			U-6	660		660		
Rajasthan	Suratgarh TPS	RRVUNL	U-7	660	660	...		
			U-8	660	660	...	---	---
Telangana	Bhadradri TPP(Manuguru)	TSGENCO	U-1	270	270	---	---	---
			U-2	270	270			
			U-3	270	270			
			U-4	270	270			
Telangana	Kothagudam TPS St-VII	TSGENCO	U-1	800	800	---	---	---
Telangana	Singareni TPP	SCCL	U-2	600	600	---	---	---
TN	Ennore SCTPP	TANGEDCO	U-1	660	660	---	---	---
			U-2	660	660	---	---	---
TN	Ennore TPP Expansion	TANGEDCO/Lanco	U-1	660	...	---	660	---
TN	North Chennai St-III	TANGEDCO	U-1	800	---	800	---	---
TN	Upper Super Critical TPP	TANGEDCO	U-1	800		800		
			U-2	800	---	800	---	---
UP	Harduaganj Exp.-II TPP	UPRVUNL	U-1	660	---	660	---	---
WB	Sagardighi TPP-3	WBPDCL	U-4	500	500	---	---	---
<b>Total State Sector</b>				<b>18980</b>	<b>8530</b>	<b>9790</b>	<b>660</b>	<b>0</b>
<b>PRIVATE SECTOR</b>								
AP	Bhavanpadu TPP	M/s East Coast Energy Ltd.	U-1	660	---	---	660	---
			U-2	660	---	---	660	---
AP	NCC TPP	NCC Power Projects Ltd	U-1	660	---	---	660	---
			U-2	660	---	---	660	---
AP	Thamminapatnam TPP-II	Meenakshi Energy Ltd.	U-3	350	---	---	350	---
			U-4	350	---	---	350	---
Bihar	Siriya TPP	Jas Infrastructure	U-1	660			660	
			U-2	660			660	
			U-3	660			660	
			U-4	660	....	.....	660	....
Chhattisgarh	Akaltara (Naiyara) TPP	Wardha PCL (KSK)	U-3	600			600	
			U-4	600			600	
			U-5	600			600	
			U-6	600	---	---	600	---
Chhattisgarh	Binjkote TPP	M/s SKS Power Generation ( Chhattisgarh) Ltd.	U-1	300	---	---	300	---
			U-2	300	---	---	300	---
			U-3	300	---	---	300	---

			U-4	300	---	---	300	---		
Chhattisgarh	Deveri TPP	Visa Power Ltd	U-1	600	600	---	---	---		
Chhattisgarh	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.	U-3	660	---	---	660	---		
			U-4	660	---	---	660	---		
Chhattisgarh	Nawapura TPP	M/s TRN Energy Pvt. Ltd.	U-2	300	---	---	300	---		
Chhattisgarh	Ratija TPS-II	M/s Spactrum Coal & Power Ltd	U-2	50	---	50	---	---		
Chhattisgarh	Salora TPPh	M/s Vandana Vidyut	U-2	135	---	---	135	---		
Chhattisgarh	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	U-1	600	---	---	600	---		
			U-2	600	---	---	600	---		
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	U-3	360	---	---	360	---		
			U-4	360	---	---	360	---		
Jharkhand	Matrishi Usha TPP-Ph-I	M/s Corporate Power Ltd	U-1	270	270	---	---	---		
			U-2	270	270	---	---	---		
			U-3	270	270	---	---	---		
Jharkhand	Matrishi Usha TPP-Ph-II	Corporate Power Ltd	U-4	270	270	---	---	---		
			U-1	600	---	---	600	---		
Jharkhand	Tori TPP Ph-I	Essar Power	U-2	600	---	---	600	---		
			U-3	600	---	---	600	---		
Jharkhand	Tori TPP Ph-II	Essar Power	U-4	600	---	---	600	---		
			Maharashtra	Amravati TPP Ph-II	Rattan India Power Ltd.	U-1	270	270	---	---
						U-2	270	270	---	---
						U-3	270	270	---	---
						U-4	270	270	---	---
U-5	270	270	---	---						
Maharashtra	Bijora Ghanmukh TPP	Jinbhuvish Power Generation Pvt. Ltd	U-1	300	---	---	300	---		
			U-2	300	---	---	300	---		
Maharashtra	Lanco Vidarbha TPP	Lanco Vidarbha	U-1	660	---	---	660	---		
			U-2	660	---	---	660	---		
Maharashtra	Nasik TPP Ph-I	Rattan India Power Ltd.	U-2	270	270	---	---	---		
			U-3	270	270	---	---	---		
			U-4	270	270	---	---	---		
			U-5	270	270	---	---	---		
			Maharashtra	Nasik TPP Ph-II	Rattan India Power Ltd.	U-1	270	270	---	---
U-2	270	270				---	---	---		
U-3	270	270				---	---	---		
U-4	270	270				---	---	---		
U-5	270	270				---	---	---		
MP	Gorgi TPP (DB Power)	DB Power	U-1	660	660	---	---	---		
MP	Mahan TPP	Essar Power MP Ltd	U-2	600	---	---	600	---		
MP	Niwari TPP	BLA Power	U-2	45	---	45	---	---		
Orissa	Ind Barat TPP ( Orissa)	Ind. Bharath	U-2	350	---	---	350	---		
			U-1	350	---	---	350	---		
Orissa	KVK Nilanchal TPP	KVK Nilanchal	U-2	350	---	---	350	---		
			U-3	350	---	---	350	---		
			U-1	660	---	---	660	---		
Orissa	Lanco Babandh TPP	Lanco Babandh Power Ltd	U-2	660	---	---	660	---		
			U-1	660	---	---	660	---		
Orissa	Malibrahmani TPP ( Monnet Ispat)	MPCL	U-1	525	525	---	---	---		
			U-2	525	525	---	---	---		
TN	Tuticorin (Ind-Barath) TPP	IBPIL	U-1	660	---	---	660	---		
TN	Tuticorin TPP St-IV	SEPC	U-1	525	525	---	---	---		
UP	Prayagraj (Bara) TPP	J.P.Power Ventures	U-3	660	660	---	---	---		
WB	India Power TPP	Haldia Energy Ltd.	U-1	150	150	---	---	---		
			U-2	150	150	---	---	---		
			U-3	150	150	---	---	---		
<b>Total Private Sector</b>				<b>29855.0</b>	<b>8805.0</b>	<b>95.0</b>	<b>20955.0</b>	<b>0</b>		
<b>Grand Total</b>				<b>74440.0</b>	<b>29140.0</b>	<b>19305.0</b>	<b>21615.0</b>	<b>4380.0</b>		



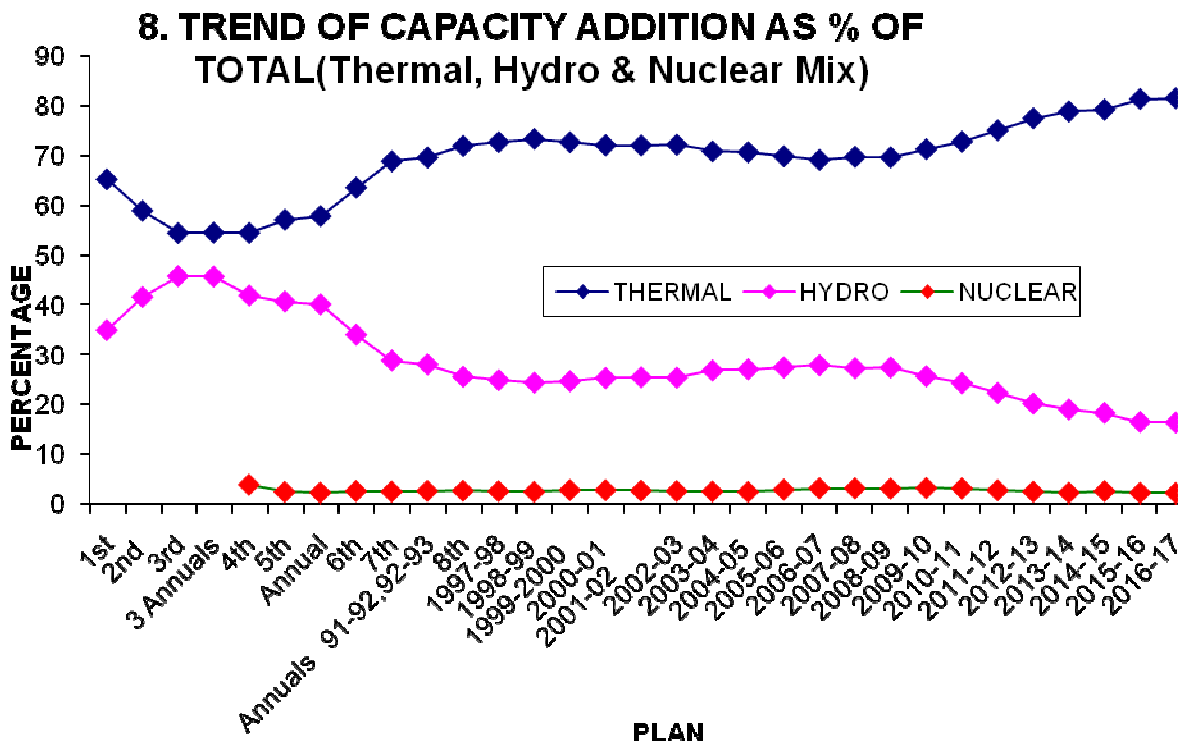
## 7. Thermal Power Projects visited during Second Quarter (July, August & September) of 2016-17

The following under construction thermal power projects in country were visited by the officers of TPM-I and TPM-II Divisions to review the progress of ongoing construction activities at project sites during the second quarter of the year 2016-17:

Sl. No.	Name of Project with capacity	State
1.	Kasipur CCPP Ph-I&II(2x225 MW)	Uttarakhand
2.	Beta CCPP (1x225 MW)	Uttarakhand
3.	Lanco Vidarbh TPP(2x660 MW)	Maharashtra
4.	Koradi TPP(3x660 MW)	Maharashtra
5.	Singhtarai TPP(2x600 MW)	<i>Chhattisgarh</i>
6.	Binjkote TPP(4x300 MW)	<i>Chhattisgarh</i>
7.	Agartala GTCCPP (25.5 MW)	A Pradesh
8.	Panduranga CCPP (116 MW)	Andhra Pradesh
9.	RVK CCPP (38 MW)	
10.	RVK gas Engine (38 MW)	
11.	Samalkot CCPP 3x800 MW)	
12.	Chhabra TPP(2x660 MW)	Rajasthan
13.	Harduaganj Extn. Ph-II TPP(1x660 MW)	UP
14.	Shirpur TPP(2x150 MW)	Maharashtra
15.	Meenakshi TPP (2x350 MW)	Andhra Pradesh
16.	SGPL TPP (2x660 MW)	
17.	Singreni TPP (2x600 MW)	Telangana
18.	Yermarus TPP (2x800 MW)	Karnataka

8. Trend of Thermal & Hydro Mix as on 30.09.2016

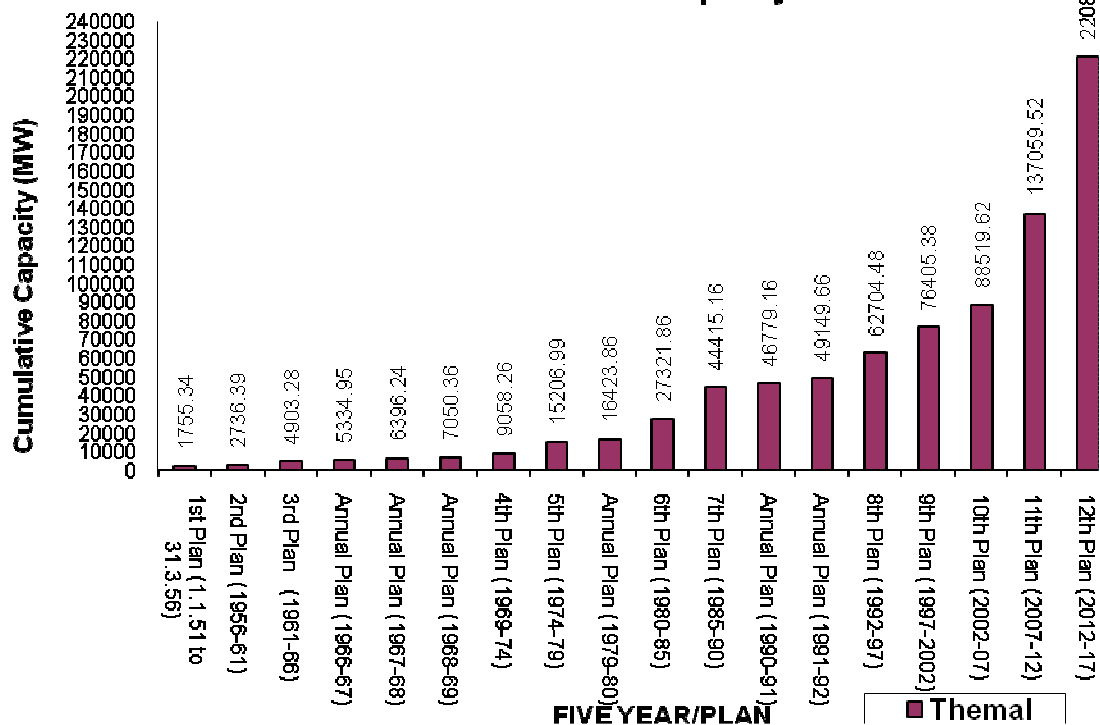
Mode-wise	As on 31.03.2016 (In MW)	Capacity Addition during 2016-17 (In MW)					As on 30.09.2016 (In MW )
		Q1	Q2	Q3	Q4	Total	
Thermal	211358.5	1510	2098.5			3608.5	214967
Hydro	42783	65	255			320	43103
Nuclear	5780	0				0	5780
Total	259921.5	1575	2353.5	0	0	3928.5	263850



**9(a) Power Generating Capacity of Thermal Units in the country since inception of 1st five year plan**

<b>Plan/ Duration</b>	<b>Capacity Addition (MW)</b>	<b>Cumulative (MW)</b>
1st Plan (1.1.51 to 31.3.56)	602.11	1755.34
2nd Plan (1956-61)	981.05	2736.39
3rd Plan (1961-66)	2166.89	4903.28
Annual Plan (1966-67)	431.67	5334.95
Annual Plan (1967-68)	1061.29	6396.24
Annual Plan (1968-69)	654.12	7050.36
4th Plan (1969-74)	2007.9	9058.26
5th Plan (1974-79)	6148.73	15206.99
Annual Plan (1979-80)	1216.87	16423.86
6th Plan (1980-85)	10898.00	27321.86
7th Plan (1985-90)	17093.3	44415.16
Annual Plan (1990-91)	2364.00	46779.16
Annual Plan (1991-92)	2370.50	49149.66
8th Plan (1992-97)	13554.82	62704.48
9th Plan (1997-2002)	13700.90	76405.38
10th Plan (2002-07)	12114.24	88519.62
11th Plan (2007-12)	48539.90	137059.52
12th Plan (2012-17)	83788.20	220847.72

9(b) Bar Chart representing Plan-Wise Growth of Thermal Installed Capacity



10. SUPER CRITICAL THERMAL POWER UNITS COMMISSIONED DURING 11TH PLAN AND BEYOND

Sector/State	Project Name	Implimenting Agency	Unit No.	Capacity (MW)	Date of Actual Commissioning
<b>2010-11</b>					
<b>PRIVATE SECTOR</b>					
Gujarat	Mundra TPP Ph-II	Adani Power Ltd	U-1	660	26.12.2010
		<b>Total (in 10-11):</b>		<b>660</b>	
<b>2011-12</b>					
<b>CENTRAL SECTOR</b>					
Chhattisgarh	Sipat-I	NTPC	U-1	660	28.06.2011
			U-2	660	24.12.2011
	<b>Sub Total :</b>			1320	
<b>PRIVATE SECTOR</b>					
Gujarat	Mundra TPP Ph-II	Adani Power Ltd	U-2	660	20.07.2011
	Mundra TPP Ph-III	Adani Power Ltd	U-1	660	07.11.2011
	Mundra TPP Ph-III		U-2	660	03.03.2012

	Mundra TPP Ph-III		U-3	660	09.03.2012
Gujarat	Mundra UMTTP	Tata Power Co.	U-1	800	25.02.2012
Haryana	Jajjar (Mahatama Gandhi) TPP	CLP Power India Pvt. Ltd	U-1	660	12.01.2012
	<b>Sub Total :</b>			4100	
	<b>Total (in 11-12):</b>			<b>5420</b>	
	<b>Total (11<sup>th</sup> Plan):</b>			<b>6080</b>	
<b>2012-13</b>					
<b>CENTRAL SECTOR</b>					
Chhattisgarh	Sipat-I	NTPC	U-3	660	02.06.2012
	<b>Sub Total :</b>			660	
<b>PRIVATE SECTOR</b>					
Gujarat	Mundra UMTTP	Tata Power Co.	U-2	800	25.07.2012
Gujarat	Mundra UMTTP	Tata Power Co.	U-3	800	16.10.2012
Gujarat	Mundra UMTTP	Tata Power Co.	U-4	800	16.01.2013
Gujarat	Mundra UMTTP	Tata Power Co.	U-5	800	18.03.2013
Haryana	Jajjar (Mahatama Gandhi) TPP	CLP Power India Pvt. Ltd	U-2	660	11.04.2012
Maharashtra	Tirora TPP Phase-I	Adani Power	U-1	660	11.09.2012
Maharashtra	Tirora TPP Phase-I	Adani Power	U-2	660	25.03.2013
	<b>Sub Total :</b>			5180	
	<b>Total (12-13)</b>			<b>5840</b>	
<b>2013-14</b>					
<b>CENTRAL SECTOR</b>					
Bihar	Barh-II	NTPC	U-4	660	30.11.2013
	<b>Sub Total :</b>			<b>660</b>	
<b>PRIVATE SECTOR</b>					
MP	Sasan UMTTP	Reliance Power	U-3	660	30.05.2013
MP	Sasan UMTTP	Reliance Power	U-2	660	20.12.2013
MP	Sasan UMTTP	Reliance Power	U-4	660	25.03.2014
Maharashtra	Tirora TPP Ph-II	Adani Power	U-1	660	10.06.2013
Maharashtra	Tirora TPP Ph-II	Adani Power	U-2	660	23.03.2014
Punjab	Rajpura TPP	Nabha Power	U-1	700	24.01.2014
Rajasthan	Kawai TPP	Adani Power	U-1	660	25.05.2013
Rajasthan	Kawai TPP	Adani Power	U-1	660	24.12.2013
	<b>Sub Total :</b>			5320	
	<b>Total (13-14)</b>			<b>5980</b>	
<b>2014-15</b>					
<b>CENTRAL SECTOR</b>					
Bihar	Barh-II	NTPC	U-5	660	04.03.2015
	<b>Sub Total :</b>			<b>660</b>	
<b>State Sector</b>					
AP	Damodaran Sanjeevaiah TPP	APPDCL	U-1	800	28.08.2014

AP	Damodaran Sanjeevaiah TPP	APPDCL	U-2	800	17.03.2015
Maharastra	Koradi TPP Expn.I	MSPGCL	U-8	660	30.03.2015
	<b>Sub Total :</b>			<b>2260</b>	
<b>PRIVATE SECTOR</b>					
MP	Sasan UMTTP	Reliance Power	U-1	660	21.05.2014
Punjab	Talwandi Saboo TPP	M/s Sterlite	U-1	660	17.06.2014
Punjab	Rajpura TPP	Nabha Power Ltd	U-2	700	06.07.2014
MP	Sasan UMPP	SPL	U-5	660	24.08.2014
MP	Nigrie	JPVL	U-1	660	29.08.2014
Maharastra	Tirora TPP Phase-II	Adani Power Maharashtra P Ltd	U-3	660	25.09.2014
AP	Painampuram TPP	Thermal Power Tech Corp.Ltd	U-1	660	07.02.2015
MP	Nigrie	JPVL	U-2	660	17.02.2015
Chhattisgarh	Raikheda TPP	GMR Chhattisgarh	U-1	685	27.02.2015
MP	Sasan UMPP	SPL	U-6	660	19.03.2015
	<b>Sub Total :</b>			<b>6665</b>	
	<b>Total ( 14-15)</b>			<b>9585</b>	
<b>2015-16</b>					
<b>CENTRAL SECTOR</b>					
Maharastra	Mouda STPP-II	NTPC	U-3	660	28.03.2016
	<b>Sub Total :</b>			<b>660</b>	
<b>State Sector</b>					
Karnataka	Bellary TPS St-III	KPCL	U-1	700	01.03.2016
Karnataka	Yermarus TPP	KPCL	U-1	800	29.03.2016
Maharastra	Koradi TPP Expn.I	MSPGCL	U-9	660	15.03.2016
	<b>Sub Total :</b>			<b>2160</b>	
<b>PRIVATE SECTOR</b>					
AP	Painampuram TPP	Thermal Power Tech Corp.Ltd	U-2	660	03.09.2015
Chhattisgarh	Raikheda TPP	GMR Chhattisgarh	U-2	685	28.03.2016
Punjab	Talwandi Saboo TPP	M/s Sterlite	U-2	660	30.10.2015
Punjab	Talwandi Saboo TPP	M/s Sterlite	U-3	660	29.03.2016
UP	Lalitpur TPP	Lalitpur Pwer Gen Co Ltd	U-1	660	26.03.2016
UP	Lalitpur TPP	Lalitpur Pwer Gen Co Ltd	U-2	660	08.01.2016
UP	Prayagraj (Bara) TPP	Prayagraj Power Gen Co Ltd	U-1	660	25.12.2015
	<b>Sub Total :</b>			<b>4645</b>	
	<b>Total ( 15-16)</b>			<b>7465</b>	
<b>2016-17</b>					
<b>PRIVATE SECTOR</b>					
UP	Lalitpur TPP	Lalitpur Pwer Gen Co Ltd	U-3	660	01.04.2016
UP	Prayagraj (Bara) TPP	Prayagraj Power Gen Co	U-2	660	06.09.2016

		Ltd		
	Sub Total :			1320
	<b>Total (1 6-17)</b>			1320
	<b>Total (12<sup>th</sup> Plan):</b>			<b>30190</b>
	<b>Total (upto 30.09.16):</b>			<b>36270</b>

## 11. Details of Expenditure of Thermal Power Projects Under Construction

State	Project Name	Impl Agency	Main Equip. Supplier	Unit No	Cap. (MW)	Total Exp incurred (Cr.)	Till (Month/Year)
<b>CENTRAL SECTOR</b>							
Assam	Bongaigaon TPP	NTPC	BHEL	U-2	250	6187.00	08/16
Assam	Bongaigaon TPP	NTPC	BHEL	U-3	250		
Bihar	Barh STPP- I	NTPC	Others	U-1	660	12000.00	08/16
				U-2	660		
				U-3	660		
Bihar	Muzaffarpur TPS Exp	JV of NTPC & BSEB	BHEL	U-4	195	3449.07	08/16
Bihar	Nabi Nagar TPP	NTPC	BHEL	U-2	250	5843.42	09/16
				U-3	250		
				U-4	250		
Bihar	New Nabi Nagar STPP	NTPC	BHEL	U-1	660	7380.71	09/16
				U-2	660		
				U-3	660		
Chhattisgarh	Lara TPP	NTPC	Boiler-Doosan, TG- BGR	U-1	800	6807.00	08/16
Chhattisgarh	Lara TPP	NTPC		U-2	800		
Jharkhand	North Karnpura TPP	NTPC	BHEL	U-1	660	3267.00	08/16
				U-2	660		
				U-3	660		
Karnataka	Kudgi STPP Ph-I	NTPC	Others	U-1	800	11603.00	08/16
Karnataka	Kudgi STPP Ph-I	NTPC	Others	U-2	800		
Karnataka	Kudgi STPP Ph-I	NTPC	Others	U-3	800		
Maharashtra	Mouda STPS-II	NTPC	BHEL	U-4	660	5761.00	08/16
Maharashtra	Solapur STPP	NTPC	SG-BGR, SGT- Alsthom	U-1	660	6764.00	08/16
Maharashtra	Solapur STPP	NTPC		U-2	660		
MP	Gadarwara STPP	NTPC	BHEL	U-1	800	6210.00	08/16
				U-2	800		
MP	Khargon TPP	NTPC	L&T	U-1	660	1794.00	08/16
				U-2	660		
Odisha	Darlipalli STPP	NTPC	SG-BHEL, SGT- Toshiba	U-1	800	3925.00	08/16
				U-2	800		
Telangana	Telangana Ph-I	NTPC	SG-BHEL, SGT- Alsthom	U-1	800	175.00	08/16
				U-2	800		
TN	Neyveli New TPP	NLC	BHEL	U-1	500	2635.30	08/16
				U-2	500		
UP	Ghatampur TPP	JV of NLC&UPSEB		U-1	660		
				U-2	660		
				U-3	660		
UP	Meja STPP	NTPC	SG-BGR, SGT- Toshiba	U-1	660	5332.00	06/16
UP	Meja STPP	NTPC		U-2	660		
UP	Tanda TPS II	NTPC	BHEL	U-1	660	1718.00	08/16
				U-2	660		
UP	Unchahar St-IV	NTPC	BHEL	U-6	500	1589.00	08/16
<b>Total Central Sector</b>					<b>25605.0</b>		
<b>STATE SECTOR</b>							
AP	Dr. NT Rao TPS St-V	APGENCO		U-1	800	207	05/16



AP	Rayalseema St-III U-6	APGENCO	BHEL	U-6	600	2901.30	09/16
AP	Sri Damodaran Sanjeevaiah TPS St-II	APGENCO		U-1	800	199.20	05/16
Assam	Namrup CCGT	APGCL	BHEL	GT	70	438.61	05/16
				ST	30		
Bihar	Barauni TPS Extn	BSPGCL	BHEL	U-8	250	4414.01	09/16
				U-9	250		
Chhattisgarh	Marwa TPP	CSPGCL	BHEL	U-2	500	8072.44	05/16
Gujarat	Bhavnagar Lignite TPP	Bhavnagar Energy	BHEL	U-2	250	3622.15	03/15
Gujarat	Wanakbori TPS Extn.	GSECL		U-8	800	892.58	07/16
Karnataka	Yelahanka CCGP	KPCL		GT+ST	370	129.95	09/16
Karnataka	Yemarus TPP	KPCL		U-2	800	11492.05	09/16
Maharashtra	Koradi TPS Expn.	MSPGCL	Non-BHEL	U-10	660	13590.52	07/16
MP	Shri Singhaji TPP	MPPGCL	L&T	U-3	660	1520.60	07/16
				U-4	660		
Odisha	Ib valley TPP		BHEL	U-3	660	3002.08	08/16
				U-4	660		
Rajasthan	Chhabra Super Critical TPP	RRVUNL	L&T-MHI	U-5	660	5140.75	07/16
				U-6	660		
Rajasthan	Suratgarh TPS	RRVUNL	BHEL	U-7	660	5644.56	09/16
				U-8	660		
Telangana	Kothagudem TPS St-VII	TSGENCO	BHEL	U-1	800	351.74	01/16
Telangana	Bhadradri TPP/	TSGENCO		U-1	270	1000.00	12/15
				U-2	270		
				U-3	270		
				U-4	270		
Telangana	Singareni TPP	SCCL	BHEL	U-2	600	7593.00	08/16
TN	Ennore SCTPP	TANGEDCO	BHEL	U-1	660	16.50	09/16
				U-2	660		
TN	Ennore TPP Exp. SC ( )	TANGEDCO/ Lanco	LANCO	U-1	660	453.71	03/16
TN	North Chennai St-III	TANGEDCO		U-1	800	100.00	09/16
TN	Upper Super Critical TPP	TANGEDCO		U-1	800		
				U-2	800		
UP	Harduaganj Exp.-II TPP	UPRVUNL	BHEL	U-1	660	203.90	12/15
WB	Sagardihdi TPS Extn.	WBPCL	BHEL	U-4	500	4063.19	09/16
	<b>Total State Sector</b>					<b>18980</b>	
	<b>PRIVATE SECTOR</b>						
AP	Bhavanpadu TPP	M/s East Coast Energy Ltd.	Chinese	U-1	660	3785.60	01/16
				U-2	660		
AP	NCC TPP	NCC Power Projects Ltd	Chinese	U-1	660	8623.00	07/16
				U-2	660		
AP	Thamminapatnam TPP-II	Meenaksha Energy Ltd.	Chinese	U-3	350	4952.00	09/16
				U-4	350		
Bihar	Siriya TPP	Jas Infrastructure	Chinese	U-1	660	NA	
				U-2	660		
				U-3	660		
				U-4	660		

Chhattisgarh	Akaltara (Naiyara) TPP	Wardha PCL (KSK)	Chinese	U-3	600	15543.00 (for 6units)	09/16
				U-4	600		
				U-5	600		
				U-6	600		
Chhattisgarh	Binjkote TPP	M/s SKS Power Generation (Chhattisgarh) Ltd.	Chinese	U-1	300	3828.00	06/15
				U-2	300		
				U-3	300		
				U-4	300		
Chhattisgarh	Devari TPP	Visa Power Ltd	BHEL	U-1	600	2077.23	11/15
Chhattisgarh	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.	Chinese	U-3	660	8629.00	08/16
				U-4	660		
Chhattisgarh	Nawapura TPP	M/s TRN Energy Pvt. Ltd.	Chinese	U-2	300	3143.00	06/16
Chhattisgarh	Ratija TPP-II	M/s. ACB(India) Ltd	Non-BHEL	U-2	50	247.27	03/16
Chhattisgarh	Salora TPP	M/s Vandana Vidyut	Chinese	U-2	135	2386.89	03/15
Chhattisgarh	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	Chinese	U-1	600	6092.28	08/16
				U-2	600		
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	Chinese	U-3	360	10292.99 (for 4units)	07/16
				U-4	360		
Jharkhand	Matrishi TPP-Ph-I	M/s Corporate Power Ltd	BHEL	U-1	270	3120.00	11/12
				U-2	270		
Jharkhand	Matrishi TPP-Ph-II	Corporate Power Ltd	BHEL	U-3	270	2207.00	09/12
				U-4	270		
Jharkhand	Tori TPP Ph-I	Essar Power	Chinese	U-1	600	3883.53	06/15
				U-2	600		
Jharkhand	Tori TPP Ph-II	Essar Power	Chinese	U-3	600	246.65	03/15
Maharashtra	Amravati TPP Ph-II	Ratan India Power Ltd.	BHEL	U-1	270	763.80	03/15
				U-2	270		
				U-3	270		
				U-4	270		
				U-5	270		
Maharashtra	Bijora Ghanmukh TPP	Jinbhuvish Power Generation Pvt. Ltd.	Chinese	U-1	300	422.27	03/15
				U-2	300		
Maharashtra	Lanco Vidarbha TPP	Lanco Vidarbha	Chinese	U-1	660	4790.00	08/16
				U-2	660		
Maharashtra	Nasik TPP Ph-I	Ratan India Power Ltd.	BHEL	U-2	270	6613.12	02/16
				U-3	270		
				U-4	270		
				U-5	270		
Maharashtra	Nasik TPP Ph-II	Ratan India Power Ltd.	BHEL	U-1	270	711.81	03/15
				U-2	270		
				U-3	270		

				U-4	270		
				U-5	270		
<i>MP</i>	Gorgi TPP (DB Power)	DB Power	<b>BHEL</b>	U-1	660	475.79	09/15
<i>MP</i>	Mahan TPP	Essar Power MP Ltd	Chinese	U-2	600	7944.50	06/16
<i>MP</i>	Niwari TPP	BLA Power	L&T	U-2	45	290.00	03/15
<i>Orissa</i>	Ind Barat TPP (Orissa)	Ind. Barath	Chinese	U-2	350	4249.00	09/16
<i>Orissa</i>	KVK Nilanchal TPP	KVK Nilachal	Chinese	U-1	350	1708.36	03/15
				U-2	350		
				U-3	350		
<i>Orissa</i>	Lanco Babandh TPP	Lanco Babandh Power Ltd	Chinese	U-1	660	7005.00	07/16
				U-2	660		
<i>Orissa</i>	Malibrahmani TPP (Monnet Ispat)	MPCL	BHEL	U-1	525	5329.75	12/14
				U-2	525		
<i>TN</i>	Tuticorin TPP St-IV	SEPC	BHEL	U-1	525	482.32	06/16
<i>TN</i>	Tuticorin TPP (Ind Barath)	IBPIL	Chinese	U-1	660	2000.00	05/15
<i>UP</i>	Prayagraj (Bara) TPP	J.P.Power Ventures	BHEL	U-3	660	13921.63	08/16
<i>WB</i>	India Power TPP.	Haldia Energy Ltd	BTG-BHEL	U-1	150	2881.19	09/16
				U-2	150		
				U-3	150		
	<b>Total Private Sector</b>				<b>29855</b>		
	<b>Grand Total</b>				<b>74440</b>		