



देश में कार्यान्वित ताप विद्युत परियोजनाओं
की प्रगति का पुनर्वलोकन



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

१६२ वाँ त्रैमासिक पुनर्वलोकन
(जनवरी-मार्च, २०१८)

162th QUARTERLY REVIEW
(January-March, 2018)

केन्द्रीय विद्युत प्राधिकरण
विद्युत मंत्रालय
भारत सरकार
नई दिल्ली

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

अप्रैल/मई-२०१८

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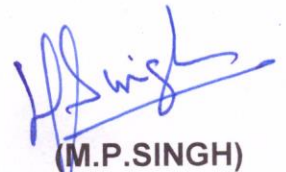
(विद्युत अधिनियम, २००३ की धारा ७३ (एफ) के तहत के.वि.प्रा. के दायित्व की पूर्णता के लिये संकलित)
(In fulfillment of CEA's obligation under section 73(f) of Electricity

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, 162th in the series (for the period January – March, 2018 gives the details of thermal power projects commissioned during 12th plan and quarterwise details of the Projects for the year 2017-18. This review also provides information in respect of thermal power projects under construction for commissioning beyond 2017-18.

The Quarterly Review has been brought out by CEA on the basis of data received from various project authorities, visits made by the CEA officers to various power projects and discussions held with the executing agencies and suppliers of equipment 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 issue.

CEA whole-heartedly welcomes suggestions/feed back from various stake holders for further improvement in the Quarterly Review.



(M.P.SINGH)

Chief Engineer (TPM-II)

Index

SI.NO	CONTENTS	PAGE NO
1	Executive Summary	1-2
2	Generation capacity addition target((RFD) /achievement for the year 2017-18 Bar Chart showing Thermal Capacity Addition Target/Achievement during the year 2017-18	3-5
3	Year wise Thermal Capacity Addition in the Country during 12 th Plan	6-14
3.1	Thermal Projects commissioned during the year 2012-13	6-7
3.2	Thermal Projects commissioned during the year 2013-14	8-9
3.3	Thermal Projects commissioned during the year 2014-15	10-11
3.4	Thermal Projects commissioned during the year 2015-16	12-13
3.5	Thermal Projects commissioned during the year 2016-17	14
4	Details of Thermal Power Projects under construction in the country	15-19
5	Thermal Power Projects visited during the quarter (October-December, 17)	20
6	Supercritical Units commissioned during 11 th Plan and beyond	20-22
7	Trend of Capacity addition as % of Total (Thermal, Hydro and Nuclear mix)	23
8	Plan/Year wise Thermal Capacity Targets / Achievements	24-25
9	Power Generating Capacity of Thermal Units in the country since inception of 1st five year plan	26
9.1	Bar Chart representing Plan wise Growth of Thermal Installed Capacity in MW	26

1. Executive Summary

1.1 Original Targeted Capacity Addition Programme during 12th Plan.

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	14877.6	6004	5300	26181.6
STATE	13922	1608		15530
PRIVATE	43540	3285		46825
TOTAL	72339.6	10897	5300	88536.6

1.2 Actual Achievement against Targeted Capacity Addition during 12th Plan

Year	Thermal Capacity Addition (Yearwise/Sectorwise) during 12th Plan (MW)											Revised Target	% Ach
	Central				State			Private					
Year	Thermal	Hydro	Nuclear	Total	Thermal	Hydro	Total	Thermal	Hydro	Total	Grand Total		
2012-13	5023.3	374		5397.3	3911	66	3977	11187.5	70	11257.5	20631.8	15154.3	136.14%
2013-14	1660	914		2574	3322	45	3367	11785	99	11884	17825	15234.3	117.01%
2014-15	2659.2	736.01	1000	4395.21	4886.1	0	4886.1	13285	0	13285	22566.31	14988.3	150.56%
2015-16	3295.6	480		3775.6	6460	610	7070	12705	426	13131	23976.6	17346.1	138.22%
2016-17	3230.5	80	1000	4310.5	3622.25	1555	5177.25	4698	24	4722	14209.75	13440.5	105.72%
Total	15868.6	2584.01	2000	20452.6	22201.4	2276	24477	53660.5	619	54279.5	99209.46	76163.5	130.26%

1.3 Thermal Capacity addition during 2017-18 (MW)

As on end of Quarter-4 (31st March 2018)

Thermal capacity addition achieved during 2017-18 (MW)		
Sector	Target (MW)	Achievement(MW) Total
Central	4880	3170
State	3546.15	1260
Private	2940	2280
Total	11366.15	6710
Additional Capacity Achieved during Quarter 1		
Private		540
Additional Capacity Achieved during Quarter 2		
Private		510
Additional Capacity Achieved during Quarter 3		
Private		150
Additional Capacity Achieved during Quarter 4		
State		500
Private		300
Grand Total		8710

1.4 Summary of Super Critical and Sub Critical Units under construction in the country

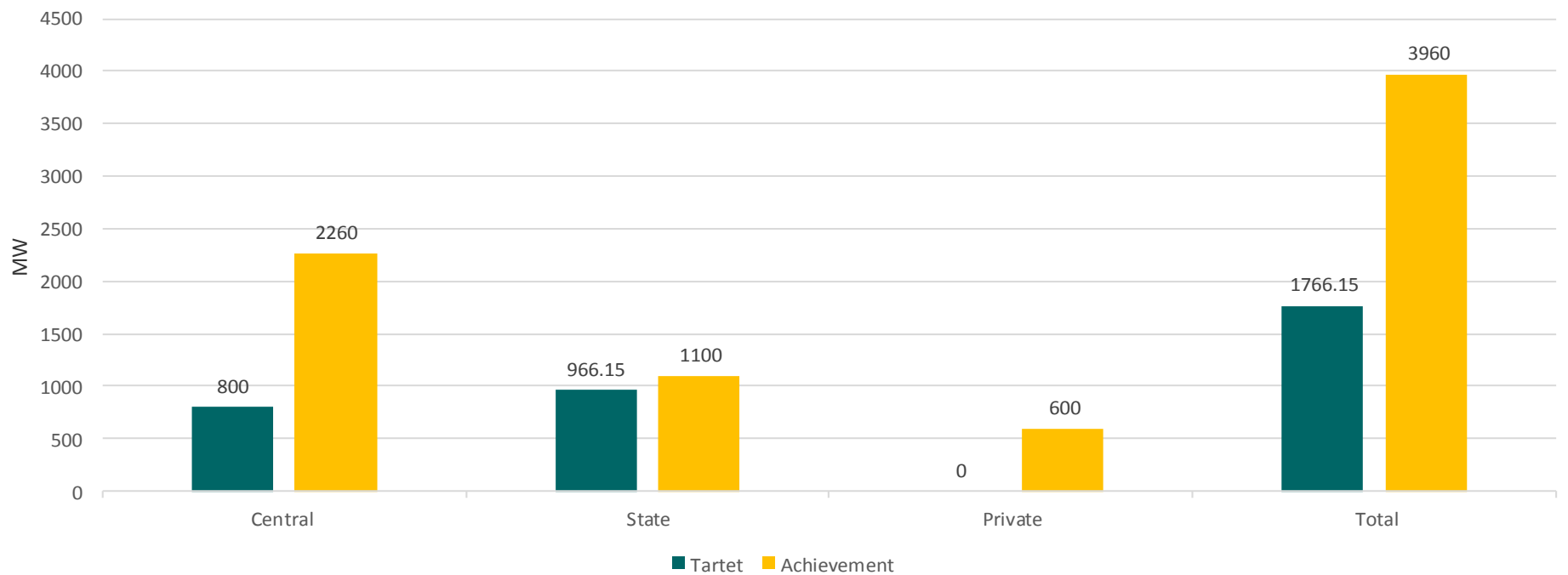
	Super Critical(MW)	Sub-Critical(MW)	Total(MW)	Super Critical Units	Sub Critical Units
Central	19880	2250	22130	28	7
State	20820	1486.15	22306.15	29	6
Private	9240	15495	24735	14	42
Total	49940	19231.15	69171.15	71	55

2. GENERATION CAPACITY ADDITION TARGET (RFD) /ACHEIVEMENT FOR THE YEAR 2017-18

	State	Project Name	Impl Agency	Unit No.	Targeted Cap. (MW)	Q1		Q2		Q3		Q4		Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Comm	Capacity Achieved (MW)
						T	A	T	A	T	A	T	A				
	CENTRAL SECTOR																
1	Assam	Bongaigaon TPP	NTPC	3	250					250				Dec-17	Mar-18		
2	Bihar	Nabi Nagar TPP	JV of NTPC & Rly	2	250	250	250							Apr-17	-	03.04.17	250.00
3	Bihar	New Nabi Nagar TPP	JV of NTPC & BSPGCL	1	660			660						Aug-17	Mar-18		
4	Chhattisgarh	Lara TPP	NTPC	1	800					800				Oct-17	Mar-18	23.03.18	800
5	Karnataka	Kudgi STPP Ph-I	NTPC	3	800			800					800	Aug-17	Feb-18	12.03.18	800
6	MP	Gadarwara STPP, St-I	NTPC	1	800							800		Jan-18	Jan-18		
7	Maharashtra	Solapur STPP	NTPC	1	660	660	660							Apr-17	-	07.04.17	660.00
8	UP	Meja STPP	JV of NTPC & UPRVUNL	1	660					660				Oct-17	Jun-18	31.03.18	660
		TOTAL CENTRAL SECTOR			4880	910	910	1460	0	1710		800					3170.00
	STATE SECTOR																
1	AP	Royal seema TPP	APGENCO	6	600			600					600	Aug-17	Feb-18	12.03.18	600
2	Assam	Namrup	APGCL	ST	36.15							36.15		Feb-18	Mar-18		
3	MP	Shree Singaji TPP, St-II	MPPGCL	3	660					660				Dec-17	Jun-18		
4	Rajasthan	Suratgarh TPS	RRVUNL	7	660					660				Nov-17	Feb-18		
5	Rajasthan	Chhabra SCTPP	RRVUNL	5	660	660	660							Apr-17	-	04.04.17	660.00
6	Rajasthan	Chhabra SCTPP	RRVUNL	6	660							660		Jan-18	Feb-18		
7	Telangana	Bhadradi TPP	TGENCO	1	270							270		Mar-18	May-18		
		TOTAL STATE SECTOR			3546.15	660	660	600	0	1320		966.15					1260.00
	PRIVATE SECTOR																
1	Chhattisgarh	Akaltara (Naiyara) TPP	KSK Mahandi Power Company Ltd	3	600					600			600	Nov-17	Jan-18	18.01.18	600

	State	Project Name	Impl Agency	Unit No.	Targeted Cap. (MW)	Q1		Q2		Q3		Q4		Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Comm	Capacity Achieved (MW)
						T	A	T	A	T	A	T	A				
2	Chhattisgarh	Binjkote TPP	SKS Power Generation (Chhattisgarh) Ltd	1	300	300	300							May-17	-	25.04.17	300.00
3	Chhattisgarh	Nawapara TPP	TRN Energy	2	300	300	300							May-17	-	18.04.17	300.00
4	Chhattisgarh	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.	3	660					660				Nov-17	Mar-18		
5	Maharashtra	Nasik TPP Ph-I	RattanIndia Nasik Power Ltd	3	270	270	270							May-17	-	14.04.17	270.00
6	UP	Bara TPP	Prayagraj Power Generation Co.Ltd.	3	660		660	660						Aug-17	-	22.05.17	660.00
7	WB	India Power TPP (Haldia),	Indian Energy Ltd (Haldia)	1	150	150	150							Apr-17	-	07.06.17	150.00
		TOTAL PRIVATE SECTOR				2940	1020	1680	660	0	1260		0				2280.00
	ADDITIONAL PROJECTS COMMISSIONED																
	PRIVATE SECTOR																
1	Maharashtra	Nasik TPP Ph-I	RattanIndia Nasik Power Ltd	4			270									19.05.17	270.00
2	Maharashtra	Nasik TPP Ph-I	RattanIndia Nasik Power Ltd	5			270									30.05.17	270.00
3	Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt.Ltd.	3					360							12.09.17	360.00
4	Maharashtra	Shirpur TPP	Shirpur Power Pvt. Ltd.	1					150							28.09.17	150.00
5.	Bihar	Barauni Extn.	BSEB	8												11.01.18	250
6.	Bihar	Barauni Extn.	BSEB	9												31.03.18	250
		TOTAL ADDITIONAL PRIVATE SECTOR					0	540	0	510	0		0				1550.00
		TOTAL THERMAL CAPACITY				11366.15	2590	3790	2720	510	4290		1766.2				8710.00

**(MW) THERMAL GENERATION CAPACITY ADDITION TARGET/ACHIEVMENT FOR THE YEAR
2017-18
(Q 4)**



3. Year wise details of Thermal Projects commissioned during 12th Plan

3.1 Thermal Projects commissioned during 2012-13

S.No	Project Name & Unit No./ Implementing Agency	Capacity (MW)	Date of Commissioning
Central Sector			
1	Mouda TPP, U-1, NTPC	500	19.04.12
2	Rihand STPS-III, U-5, NTPC	500	25.05.12
3	Sipat TPP, U-3, NTPC	660	02.06.12
4	Vindhyachal U – 11, NTPC	500	14.06.12
5	Indira Gandhi TPP, U-3, NTPC	500	07.11.12
6	Koderma U-2, DVC	500	15.02.13
7	Tripura Gas Model-1, ONGC	363.3	03.01.13
8	Vallur TPP Ph-I, U-2, NTECL	500	28.02.13
9	Vindhyachal U – 12, NTPC	500	22.03.13
10	Mouda TPP, U-2, NTPC	500	29.03.13
	Total Central Sector	5023.3	
State Sector			
11	Parichha Extn., U-5, UPRVUNL	250	24.05.12
12	Harduaganj, U-9, UPRVUNL	250	25.05.12
13	Pragati CCGT - III , GT-3, PPCL	250	27.06.12
14	Mettur TPP Extn. U-1	600	11.10.12
15	Ukai TPP, U-6, GSECL	500	05.03.13
16	North Chennai Extn., U-2, TNEB	600	09.03.13
17	Parichha Extn., U-6, UPRVUNL	250	11.03.13
18	Ramgarh GT, RRVUNL	110	20.03.13
19	Korba West Extn., St.III TPP, CSEB	500	22.03.13
20	Satpura TPS Extn., U-10, MPPGCL	250	22.03.13
21	Pipavav CCPP, Block-2, GSECL	351	27.03.13
	Total State Sector	3911	

Private Sector			
S.No	Project Name & Unit No./ Implementing Agency	Capacity (MW)	Date of Commissioning
22	Jhajjar TPS(Mahatma Gandhi TPP), U-2, CLP Power	660	11.04.12
23	Sterlite TPP, U-4, Sterlite Energy	600	25.04.12
24	GEPL TPP, U-2, GEPL	60	28.04.12
25	Salaya TPP, U-2, Essar Power	600	13.06.12
26	Kasaipalli TPS, U-2, ACB India	135	21.06.12
27	Simhadri TPP Ph-I, U-2 Madhucon	150	02.07.12
28	Mundra UMPP, U-2, Tata Power Co.	800	25.07.12
29	Bina TPP, U-1, Bina Power Ltd,	250	12.08.12
30	Butibori TPP, U-1, Vidharba Ind. Ltd	300	17.08.12
31	Thamminapatnam TPP, U-1, MEPL	150	09.09.12
32	Tirora TPP, U-1, Adani Power Ltd.	660	11.09.11
33	GEPL TPP, U-1, GEPL	60	08.09.12
34	Mundra UMTTP, U-3, Tata Power Co.	800	16.10.12
35	Mahadev Pd. TPP U-1, Adhunik Power Co. Ltd.	270	19.11.12
36	Mundra UMTTP, U-4, Tata Power Co.	800	16.01.13
37	Uno Sugan CCPP, Mod-1,Torrent Power Ltd	382.5	20.01.13
38	Ratija TPP, U-1, SCPL	50	04.02.13
39	Jallip-Kapurdi TPP, U-5, Raj West Power Ltd.	135	05.02.13
40	EMCO Warora TPP, U-1, EMCO Energy Ltd, (GMR)	300	07.02.13
41	Mahan TPP, U-1, Essar Power Ltd.	600	24.02.13
42	Jallip-Kapurdi TPP, U-8, Raj West Power Ltd.	135	28.02.13
43	Jallip-Kapurdi TPP, U-6, Raj West Power Ltd.	135	03.03.13
44	Tuticorin TPP, U-1. Ind Barath	150	10.03.13
45	Jallip-Kapurdi TPP, U-7, Raj West Power Ltd.	135	16.03.13
46	Mundra UMTTP, U-5, Tata Power Co.	800	18.03.13
47	Bela TPP-I, U-1, IEPL	270	20.03.13
48	Tirora TPP, U-2, Adani Power Ltd.	660	25.03.13
49	Amravathi TPP, U-1,Indiabulls	270	25.03.13
50	Kamalanga TPP, U-1, GMR	350	28.03.13
51	Mahadev Pd. TPP U-2, Adhunik Power Co. Ltd.	270	29.03.13
52	Bina TPP, U-2, Bina Power Ltd,	250	31.03.13
	Total Private Sector	11187.5	
	Total Thermal Capacity Addition in 2012-13	20121.8	

3.2 . Thermal Projects Commissioned during 2013-14

S.No	Project Name & Unit No./ Implementing Agency	Capacity (MW)	Date of Commissioning	Remarks
Central Sector				
1	Rihand STPP St-III, U-6, NTPC	500	07.10.13	RFD
2	Barh STPP St-II, U-4, NTPC	660	30.11.13	RFD
3	Vallur TPP Ph-I, NTPC	500	28.02.14	RFD
	Total Central Sector	1660		
State Sector				
4	Pragati CCGT - III , GT-4, PPCL	250	07.05.13	RFD
5	Rokhia CCPP, GT-9, Govt. Of Tripura	21	13.08.13	Additional
6	North Chennai TPP Extn U-1, TNEB	600	13.09.13	RFD
7	Chhabra TPP Ext U-3, RRVUNL	250	14.09.13	RFD
8	Shree Singhaji (Malwa) TPP, U-1, MPPGCL	600	18.11.13	RFD
9	Satpura TPS Ext, U-11, MPPGCL	250	25.12.13	RFD
10	Pipavav JV CCGT, Block-I, GSECL	351	05.02.14	RFD
11	Pragati CCGT-III, ST-2, PPCL	250	26.02.14	RFD
12	Marwa TPP, Unit-1, CSEB	500	30.03.14	RFD
13	Durgapur TPS Extn., U – 8, DPL	250	31.03.14	Additional
	Total State Sector	3322		
Private Sector				
14	Thaminapatnam TPP Phase-I, U-2, Meenakshi Energy Pvt. Ltd	150	17.04.13	RFD
15	Kawai TPP, U-1, Adani Power	660	30.05.13	Additional
16	Sasan UMPP, U-3, Reliance Power	660	25.05.13	RFD
17	Tirora TPP, Phase-II, U-1, Adani Power	660	10.06.13	RFD
18	Akaltara TPP, U-1, Wardha PCL(KSK)	600	13.08.13	RFD
19	EMCO Warora TPP U-2, GMR EMCO Energy Ltd	300	27.08.13	RFD
20	Kamalanga TPP, U-2, GMR	350	28.09.13	RFD
21	Dhariwal Infrastructure TPP, U-1, Dhariwal Infrastructure (P), Ltd.	300	03.11.13	RFD
22	Niwati TPP, U-1, BLA Power LTD	45	01.12.13	Additional
23	Sasan UMPP, U-2, Reliance Power	660	20.12.13	RFD
24	Kawai TPP, U-2, Adani Power Rajasthan Ltd	660	24.12.13	Additional

S.No	Project Name & Unit No./ Implementing Agency	Capacity (MW)	Date of Commissioning	Remarks
25	Tuticorin TPP, U-2. Ind Barath	150	30.12.13	Additional
26	Degen CCPP, Block-I, Torrent Power	400	12.01.14	Additional
27	Rajpura TPP, U-1, Nabha Power	700	24.01.13	Additional
28	Amravati TPP Ph-I, U-2, India Bulls Power Ltd	270	17.02.14	Additional
29	Simhapuri TPS Ph-II, U-3, Simhapuri Energy Pvt Ltd	150	21.02.14	Additional
30	DB Power TPP, Unit-1, DB Power Ltd	600	23.02.14	RFD
31	Nasik TPP Ph-I, U-1, India Bulls Power Ltd	270	25.02.14	RFD
32	Degan CCPP, Block-3, Torrent Power	400	09.03.14	Additional
33	Tamnar TPP, U-1, Jindal Power	600	10.03.14	RFD
34	Kamalang TPP, U-3, GMR Energy	350	21.03.14	Additional
35	Tirora TPP Ph-II, U-2, Adani Power	660	23.03.14	Additional
36	Sasn UMPP, U-4, reliance Power	660	25.03.14	Additional
37	Chakabura TPP, U-1, ACBIL	30	28.03.14	Additional
38	Tamnar TPP, U-2, Jindal Power	600	30.03.14	Additional
39	Avantha Bhandar TPP, U-1, KWPCCL	600	31.03.14	Additional
40	Butibori TPP Ph-I, U-2, Vidarbha Industries Power Ltd.	300	31.03.14	Additional
	Total Private Sector	11785		
	Total Thermal Capacity Addition in 2013-14	16767		

3.3 Thermal Projects Commissioned during 2014-15

S. No	Project Name & Unit No./ Implementing Agency	Capacity (MW)	Date of Commissioning	Remarks
Central Sector				
1	Raghunathpur TPP Phase-I, Unit-1, DVC	600	24.08.14	RFD
2	Palatana CCPP, Block-2, OTPC (JV of ILFS, ONGC & Tripura Govt.)	363.3	16.11.14	RFD
3	Neyveli TPS-II Exp. , U-2, NLC	250	24.01.15	Additional
4	Barh STPP-II, Unit-5, NTPC	660	04.03.15	RFD
5	Tuticorin JV, U-1, NTPL (JV- NLC & TANGEDCO)	500	10.03.15	RFD
6	Agartala CCPP, ST-1, NEEPCO	25,5	22.03.15	Additional
7	Monarchak CCPP, GT, NEEPCO	65,4	30.03.15	Additional
8	Muzaffarpur TPP Exp ,U-3, JV - NTPC & BSEB	195	31.03.15	RFD
	Total Central Sector	2659.2		
State Sector				
9	Ramgarh CCPP, ST, RRVUNL	50	01.05.14	RFD
10	Kalisindh TPP, Unit-1, RRVUNL	600	02.05.14	RFD
11	Dhuvraan CCPP, Unit – 1, GSECL	376.1	21.05.14	Additional
12	Chhabra TPP, U-4, RRVUNL	250	30.06.14	RFD
13	Damodaran Sanjeevaiah TPP, U-1, APPDCL	800	28.08.14	RFD
14	Malwa (Shree Singaji) TPP, Unit-2, MPPGCL	600	15.10.14	RFD
15	Damodaran Sanjeevaiah TPP, U-2, APPDCL	800	17.03.15	RFD
16	Sikka TPP Extn. (SS), U-3, GSECL	250	29.03.15	Additional
17	Chandrapur TPS , U-8, MSPGCL	500	29.03.15	RFD
18	Koradi TPP Expn., U-8, MSPGCL	660	30.03.15	RFD
	Total of State Sector	4886.1		
Private Sector				
19	SaloraTPP, U-1, Vandana Vidyut Ltd	135	10.04.14	RFD
20	D gen CCPP, Block - 2, Torrent Power	400	23.04.14	Additional
21	Derang TPP, U- 1, JPL	600	10.05.14	RFD

S. No	Project Name & Unit No./ Implementing Agency	Capacity (MW)	Date of Commissioning	Remarks
22	Sasan UMPP, U-1, SPL	660	21.05.14	Additional
23	Dhariwal TPP, U-2, Dhariwal Industries Ltd	300	28.05.14	RFD
24	Talwandi Sabo TPP U - 1, Sterlite	660	17.06.14	RFD
25	Rajpura TPP, U-2, Nabha Power Ltd.	700	06.07.14 `	RFD
26	Akaltara TPP, U-2, ASK	600	22.08.14	Additional
27	Sasan UMPP, U-5, SPL	660	24.08.14	Additional
28	Nigrie TPP, U-1, JPVL	660	29.08.14	Additional
29	Tirora TPP Phase-II, APMPL	660	25.09.14	Additional
30	Mutiara TPP, U-1, Coastal Energen	600	02.12.14	Additional
31	Tamnar (TPP) Raigarh, U-3, Jindal Power	600	07.01.15	Additional
32	Haldia TPP-I, Unit-1, M/s Haldia Energy Ltd.	300	14.01.15	RFD
33	Derang TPP, U- 2, JPL	600	24.01.15	Additional
34	Amravati TPP Ph-I, Unit-3, India Bulls	270	29.01.15	RFD
35	Painampuram TPP, U-1, Thermal Power Tech Corp.Ltd	660	07.02.15	RFD
36	Haldia TPP-I, Unit-2, M/s Haldia Energy Ltd.	300	16.02.15	Additional
37	Nigrie TPP, U-2, JPVL	660	17.02.15	Additional
38	Raikheda TPP, U-1, GMR Chhattisgarh	685	27.02.15	Additional
39	Amravati TPP Ph-I, Unit-4, India Bulls	270	04.03.15	Additional
40	Simhapuri Ph-II,U-4, Simhapuri Energy Power Ltd	150	06.03.15	Additional
41	Amravati TPP Ph-I, Unit-5, India Bulls	270	12.03.15	Additional
42	Sasan UMPP, U-6, SPL	660	19.03.15	Additional
43	Badadarha TPP, U-2, D.B.Power Ltd.	600	24.03.15	Additional
44	Tamnar (TPP) Raigarh, U-4, Jindal Power	600	26.03.15	Additional
45	Swastic Korba, Unit-1, ACB India Ltd.	25	31.03.15	RFD
	Total Private Sector	13285		
	Total Thermal Capacity Addition in 2014-15	20830.3		

3.4 Thermal Projects Commissioned during 2015-16

S.No	Project Name & Unit No./ Implementing Agency	Capacity (MW)	Date of Commissioning	Remarks
Central Sector				
1	Bongaigaon TPP, Unit-1, NTPC	250	22.06.15	RFD
2	Tuticorin TPP, Unit-2, NLC	500	09.07.15	RFD
3	Vindhyachal TPP-V, Unit-13, NTPC	500	06.08.15	RFD
4	Monarchak CCPP, ST, NEEPCO	35.6	14.01.16	RFD
5	Raghunathpur TPP-I, Unit-2, DVC	600	18.01.16	RFD
6	Nabi Nagar TPP, Unit-1, NTPC	250	20.03.16	Additional
7	Bokaro TPS 'A' Extn., Unit-1, DVC	500	22.03.16	Additional
8	Mouda STPP-II, Unit-3, NTPC	660	28.03.16	Additional
	Total Central Sector	3295.6		
State Sector				
9	Kalisindh TPP, Unit-1, RRVUNL	600	06.06.15	RFD
10	Anpara-D TPS, Unit- 6, UPRVUNL	500	06.06.15	RFD
11	Sikka TPS, Unit-4, GSECL	250	25.09.15	RFD
12	Sagardighi TPS Ext., Unit-3, WBPDC	500	14.12.15	RFD
13	Kakatia TPS Extn., Unit-1, TGENCO	600	31.12.15	RFD
14	Bellary TPS St-III, Unit-1, KPCL	700	01.03.16	RFD
15	Anpara-D TPS, Unit- 7, UPRVUNL	500	06.03.16	RFD
16	Singareni TPP, Unit-1, Singareni Collieries	600	13.03.16	RFD
17	Koradi TPS Extn, Unit-9, MSPGL	660	15.03.16	RFD
18	Chandrapur TPS, Unit-9, MSPGL	500	21.03.16	RFD
19	Yermarus TPP, Unit-1, KPCL	800	29.03.16	RFD
20	Parli TPS, Unit-8, MSPGL	250	30.03.16	RFD
	Total of State Sector	6460		
Private Sector				
21	Anuppur TPP Ph-I, Unit-1, MB Power(MP)	600	20.04.15	RFD
22	BALCO TPP, Unit-1, BALCO Pvt Ltd	300	05.06.15	RFD
23	Bandakhar TPP, Unit-1, M/s Maruti Clean (Chhattisgarh) Ltd.	300	19.06.15	RFD

S.No	Project Name & Unit No./ Implementing Agency	Capacity (MW)	Date of Commissioning	Remarks
24	Lanco Kondapalli Extn., Ph-III(PS), Block-I, Lanco Kondapalli Power Co. Ltd. (LKPCCL).	371	07.08.15	Additional
25	Painampuram TPP, Unit-2, M/s. Thermal Power Tech Corporation Ltd.	660	03.09.15	RFD
26	Lanco Kondapalli Extn., Ph-III(PS), Block-II, LKPCCL	371	05.09.15	Additional
27	Vemagiri CCPP-II (PS), Block-I, GMR Rajamundry Energy Ltd.	384	12.09.15	Additional
28	ITPCL TPP, Unit-1, IL&FS TNPC Ltd.	600	19.09.15	Additional
29	Vemagiri CCPP-II (PS), Block-I, GMR Rajamundry Energy Ltd.	384	05.10.15	Additional
30	Uchpinda TPP, Unit-1, RKM Powergen Co	360	28.10.15	RFD
31	Talwandi Sabo TPP, Unit-2, Tal. Sabo Power	660	30.10.15	RFD
32	Prayagraj(Bara) TPP, Unit – 1, Prayagraj PGCL	660	25.12.15	RFD
33	Vizag TPP, Unit-1, Hinduja National Power Co Ltd	520	27.12.15	RFD
34	Melamaruthur(Mutiara) TPP, Unit-2, Coastal Energen	600	02.01.16	Additional
35	Lalitpur TPP, Unit-2, Lalitpur Power Gen. Co. Ltd	660	08.01.16	RFD
36	Uchpinda TPP, Unit-2, RKM Powergen Co	360	28.01.16	Additional
37	Goindwal Sahib TPP, Unit-1, GVK Power	270	14.02.16	Additional
38	Ind Bharat TPP(Odisha), Unit-1, Ind Barat	350	25.02.16	RFD
39	Goindwal Sahib TPP, Unit-2, GVK Power	270	15.03.16	Additional
40	Seioni TPP Ph-I, Unit-1, Jhabua Power Ltd.	600	22.03.16	Additional
41	BALCO TPP, Unit-2, BALCO Pvt Ltd	300	24.03.16	RFD
42	Lalitpur TPP, Unit-1, Lalitpur Power Gen. Co. Ltd	660	26.03.16	Additional
43	Raikheda TPP, Unit-2, GMR Chhattisgarh	685	28.03.16	RFD
44	Talwandi Sabo TPP, Unit-3, Tal. Sabo Power	660	29.03.16	RFD
45	Vizag TPP, Unit-2, Hinduja National Power Co Ltd	520	30.03.16	Additional
46	Anuppur TPP Ph-I, Unit-2, MB Power(MP)	600	30.03.16	Additional
	Total Private Sector	12705		
	Total Thermal Capacity Addition in 2015-16	22460.6		

3.5 Thermal Projects Commissioned during 2016-17

S.No	Project Name	Implementing Agency	Unit No.	Capacity (MW)	Date of Commissioning	Remarks
Central Sector						
1	Agartalla Gas Based Power Project	NEEPCO	ST-1	25.5	23.08.2016	RFD
2	Kudgi STPP Ph-I	NTPC	Unit-1	800	25-12-2016	RFD
3	Bongaigaon TPP	NTPC	Unit-2	250	22.03.2017	
4	Kanti TPS St-II (Muzzafarpur)	NTPC	Unit-4	195	24.03.2017	
5	Mauda STPP-II	NTPC	Unit-4	660	18.03.2017	RFD
6	Kudgi TPP	NTPC	Unit-2	800	23.03.2017	
7	Unchahar TPS St-IV	NTPC	Unit-6	500	31.03.2017	
	Total Central Sector			3230.5		
State Sector						
1	BhavnagarTPP	BECL	Unit-1	250	16.05.16	RFD
2	Marwa TPS	CSPGCL	Unit-2	500	15.07.16	RFD
3	Singareni TPP	SECL	Unit-2	600	25.11.16	RFD
4	Koradi TPS Expn	MAHAGENCO	Unit-10	660	28.12.16	RFD
5	Sagardighi TPS-II	WPDCL	Unit-4	500	15.12.16	RFD
6	Namrup CCGT	APGCL	CCGT	62.25	11.01.17	RFD
7	Bhavnagar TPP	BECL	Unit-2	250	27.03.17	RFD
8	Yermarus TPP	KPCL	Unit-2	800	29.03.17	RFD
	Total State Sector			3622.25		
Private Sector						
1	Lalitpur TPP	Lalitpur Power Gen. Co. Ltd	Unit-3	660	01.04.16	RFD
2	GAMA CCPP Module-1	M/s. GAMA Infraprop Ltd	GT 1&2+ST	225	25.04.16	Addl
3	ITPCL TPP	ILFS	Unit-2	600	18.04.16	RFD
4	Mangaon CCPP	PGPL	Block-1	388	14.07.16	Addl
5	Nawpara TPP	TRN	Unit-1	300	14.08.16	RFD
6	Bara TPP	J.P. Power Ventures	Unit-2	660	06.09.16	RFD
7	Sembcorp Gayatri Pvt. Ltd	SGPL	Unit-1	660	12.11.2016	RFD
8	Ratiza TPS-II Ltd	Spectrum Coal & Power Ltd	Unit-2	50	10.11.16	RFD
9	Kashipur CCPP	Sravanthi energy Pvt	Block-1	225	20.11.16	RFD
10	NCC TPP (Sembcorp)	Sembcorp Gayatri Pvt. Ltd	Unit-2	660	15.02.17	RFD
11	Nashik TPP, Ph-I	Rattan Power	Unit-2	270	15.02.17	RFD
	Total Private Sector			4698		
	Total Thermal Capacity Addition in 2016-17			11550.75		

4. Details of Under Construction Thermal Power Projects in the country (for commissioning during 2017-18 and beyond)

S.No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Exp. In crores. (Till Date)	Remarks	Fuel	Original Cost	Latest Cost	Cost Overrun	Time Overrun (Months)
CENTRAL SECTOR														
1	Assam	Bongaigaon TPP/ NTPC/ BHEL	Feb-08	U-3	250	Sep-11	Jun-18	6950 (Feb-18)	For 3 Units	Coal	4375.35	6749.18	54.25%	81
2	Bihar	Barh STPP-I /NTPC/Others	Mar-05	U-1	660	May-17	Oct-20	14499.49 (Feb-18)		Coal	8693	15095.67	73.65%	41
			Mar-05	U-2	660	Nov-17	Apr-21							41
			Mar-05	U-3	660	May-18	Nov-21							42
3	Bihar	Nabi Nagar TPP / JV of NTPC & Rlys/BHEL	Jan-08	U-3	250	Aug-13	Oct-18	7102.63 (Mar-18)	For 4 Units	Coal	5352.51	7998	49.43%	62
			Jan-08	U-4	250	Nov-13	Jun-19							67
4	Bihar	New Nabi Nagar TPP /JV of NTPC & BSPGCL TG-Alstom & Bharat Forge, SG-BHEL	Jan-13	U-1	660	Jan-17	Aug-18	11337.44 (Mar-18)		Coal	13624.02	15131.67	11.07%	19
			Jan-13	U-2	660	Jul-17	Mar-19							20
			Jan-13	U-3	660	Jan-18	Jun-19							18
5	Chhatisgarh	Lara STPP/NTPC / SG-Dooson TG-BGR Hitachi	Dec-12	U-2	800	May-17	Jun-19	9316 (Feb-18)		Coal	11846	11846	0.00%	25
6	Jharkhand	North Karanpura STPP/ NTPC / BHEL	Feb-14	U-1	660	Feb-18	Oct-19	6225 (Feb-18)		Coal	14367	14367	0.00%	20
			Feb-14	U-2	660	Aug-18	Apr-20							20
			Feb-14	U-3	660	Feb-19	Oct-20							20
7	Maharashtra	Solapur STPP/ NTPC/ SG-BGR & Hitachi TG-Alstom & Bharat Forge	Apr-12	U-2	660	Nov-16	Mar-19	8231 (Feb-18)	For 2 Units	Coal	9395.18	9395.18	0.00%	28
8	MP	Gadarwara STPP/ NTPC /BTG-BHEL	Mar-13	U-1	800	Mar-17	Jul-18	8768 (Feb-18)		Coal	11638.55	11638.55	0.00%	16
			Mar-13	U-2	800	Sep-17	Jun-19							21
9	MP	Khargone STPP/ NTPC/ EPC - L&T	Mar-15	U-1	660	Mar-19	Mar-19	4416 (Feb-18)		Coal	9870.51	9870.51	0.00%	0
			Mar-15	U-2	660	Sep-19	Sep-19							0
10	Odisha	Darlipalli STPP/ NTPC / SG- BHEL TG-JSW & Toshiba	Feb-14	U-1	800	Feb-18	Dec-18	7750 (Feb-18)		Coal	12532.44	12532.44	0.00%	10
			Feb-14	U-2	800	Jun-18	Jun-19							12
11	Rajasthan	Barsingar TPP ext/NLC/Reliance Infra	Nov-16	U-1	250	May-20	*	155.87 (Mar-18)		Coal	2112.59	2112.59	0.00%	
12	Rajasthan	Bithnok TPP /NLC/Reliance Infra	Nov-16	U-1	250	May-20	*	170.2 (Mar-18)		Coal	2196.3	2196.3	0.00%	
13	Telangana	Telangana STPP St- I / NTPC/SG- BHEL TG- Alstom & Bharatforge	Feb-16	U-1	800	Jan-20	Apr-20	1399 (Feb-18)		Coal	10599	10599	0.00%	3
			Feb-16	U-2	800	Jul-20	Oct-20							3
14	TN	Neyveli New TPP/ NLC/BHEL	Dec-13	U-1	500	Sep-17	Oct-18	4846.09 (Mar-18)		Lignite	5907.11	5907.11	0.00%	13
			Dec-13	U-2	500	Mar-18	Dec-18							9
15	UP	Meja STPP/ JV of NTPC & UPRVUNL/ SG-BGR	Apr-12	U-2	660	Dec-16	May-19	7801 (Mar-18)		Coal	10821	10821	0.00%	29

S.No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Exp. In crores. (Till Date)	Remarks	Fuel	Original Cost	Latest Cost	Cost Overrun	Time Overrun (Months)
		TG-Toshiba												
16	UP	Ghatampur TPP/ JV of NLC & UPRVUNL/ MHPS Boiler Pvt. Ltd.	Aug-16	U-1	660	Nov-20	Jun-20	2162.1 (Mar-18)		Coal	17237.8	17237.8	0.00%	-5
			Aug-16	U-2	660	May-21	Dec-20							-5
			Aug-16	U-3	660	Nov-21	Jun-21							-5
17	UP	Tanda TPP St II/ NTPC/ SG: L&T/ TG: Alstom	Sep-14	U-1	660	Sep-18	Mar-19	3896 (Feb-18)		Coal	9188.98	9188.98	0.00%	6
			Sep-14	U-2	660	Mar-19	Sep-19							6
18	Jharkand	Patratu STPP /NTPC	Mar-18	U-1	800	Dec-21	Dec-21			Coal				0
			Mar-18	U-2	800	Jan-22	Jan-22							
			Mar-18	U-3	800	Jul-22	Jul-22							
	TOTAL CENTRAL SECTOR				22130			105025.82	0	0	159757.34	172686.98	0.080933	617
STATE SECTOR														
1	A.P	Dr.Narla Tata Rao TPS St-V / APGENCO / BTG- BHEL	Oct-15	U-1	800	Jun-19	Jun-19	2652 (Mar-18)		Coal	5286.54	5286.54	0.00%	0
2	A.P	Sri Damodaran Sanjeevaiah TPP St-II / APGENCO /BTG- BHEL	Nov-15	U-1	800	Mar-19	Mar-19	199.2 (Apr-16)		Coal	4276.04	4276.04	0.00%	0
3	Assam	Namrup CCGT / APGCL / BHEL	Feb-09	ST	36.15	Jan-12	Mar-18	512.9 (Jun-17)		Gas	411	693.73	68.79%	74
4	Gujarat	Wanakbori TPS Extn. / GSECL SG-Alstom TG-Siemens	Oct-14	U-8	800	Oct-18	Oct-18	2121.38 (May-17)		Coal	3536.51	3536.51	0.00%	0
5	Karnataka	Yelahanka CCPP BY KPCL	Nov-15	GT+ ST	370	Mar-18	Sep-18	1524.62249 (Mar-18)		Gas	1571.18	1571.18	0.00%	6
6	MP	Shri Singhaji TPP St-II / MPGENCO EPC-L&T	Sep-14	U-3	660	May-18	May-18	4243.31 (Dec-17)		Coal	6500	6500	0.00%	-
			Sep-14	U-4	660	Jul-18	Oct-18							3
7	Odisha	Ib valley TPP / OPGCL BTG-BHEL	Mar-14	U-3	660	Sep-17	Oct-18	5068.83 (Jun-17)		Coal	11965	11965	0.00%	13
			Mar-14	U-4	660	Jan-18	Aug-18							7
8	Rajasthan	Chhabra TPP Extn./ RRVUNL / L&T-MHPS	Mar-13	U-6	660	Jun-18	Mar-18	8039.48 (Apr-18)	For 2 Units	Coal	7920	9550.27	20.58%	-
9	Rajasthan	Suratgarh SCTPP/ RRVUNL / BHEL	May-13	U-7	660	Sep-16	Mar-18	6972.58 (Nov-17)		Coal	7920	7920	0.00%	18
			May-13	U-8	660	Dec-16	Jun-18							18
10	Telangana	Kothagudem TPS St-VII/ TSGENCO BTG-BHEL	Jan-15	U-1	800	Nov-17	Jul-18	3327.79 (Mar-18)		Coal	5548.44	5548.44	0.00%	8
11	Telangana	Bhadradi TPP / TSGENCO/ BHEL	Mar-15	U-1	270	Mar-17	Jan-19	2537.47 (Dec-17)		Coal	5044	7290.6	44.54%	22
			Mar-15	U-2	270	May-17	Feb-19							21
			Mar-15	U-3	270	Jul-17	Mar-19							20
			Mar-15	U-4	270	Sep-17	Apr-19							19
12	TN	Ennore exp. SCTPP (Lanco) / TANGEDCO BTG-LANCO	May-14	U-1	660	Jan-18	Sep-18	791.4 (Dec-17)		Coal	5421.38	5421.38	0.00%	8

S.No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Exp. In crores. (Till Date)	Remarks	Fuel	Original Cost	Latest Cost	Cost Overrun	Time Overrun (Months)
13	TN	Ennore SCTPP / TANGEDCO/ BHEL	Sep-14	U-1	660	Jan-18	Sep-18	1211.77 (Mar-18)		Coal	9800	9800	0.00%	8
			Sep-14	U-2	660	Mar-18	Mar-19							12
14	TN	North Chennai TPP St-III TANGEDCO / BHEL	Jan-16	U-1	800	Mar-19	Jul-19	813.19 (Mar-18)		Coal	6376	6376	0.00%	4
15	TN	Udangudi STPP Stage I/ TANGEDCO, EPC-BHEL	Dec-17	U-1	660	Feb-21	Feb-21	118.93 (Mar-18)			13076.705	13076.705	0.00%	0
				U-2	660	Feb-21	Feb-21							
16	TN	Uppur Super Critical TPP TANGEDCO /BHEL	Feb-16	U-1	800	Mar-19	NA	125.02 (May-17)		Coal	12778	12778	0.00%	
			Feb-16	U-2	800	Oct-19	NA							
17	UP	Harduaganj TPS Exp-II / UPRVUNL/Toshiba JSW	Sep-15	U-1	660	Jun-19	Jun-19	291.73 (Feb-17)		Coal	4826.49	4826.49	0.00%	0
18	Telangana	Yadadri TPS/TSGENCO/BHEL	Oct-17	U-1	800	Oct-20	Oct-20	975.63 (Dec-17)		Coal				
				U-2	800	Oct-20	Oct-20							
				U-3	800	Oct-21	Oct-21							
				U-4	800	Oct-21	Oct-21							
				U-5	800	Oct-21	Oct-21							
19	UP	Jawaharpur STPP/ UPRVUNL/ Doosan	Dec-16	U-1	660	Sep-20	Nov-20	642 (Aug-17)		Coal	10556.27	10556.27	0.00%	2
			Dec-16	U-2	660	Jan-21	Mar-21							2
20	UP	Obra-C STPP/ UPRVUNL/ Doosan	Dec-16	U-1	660	Sep-20	Sep-20	649.55 (Sep-17)		Coal	10416	10416	0.00%	0
			Dec-16	U-2	660	Dec-20	Dec-20							0
	Total State Sector				22306.2	1520763	1441466	41607.0119	0	0	133229.56	137389.16	#DIV/0!	265
PRIVATE SECTOR														
1	AP	Bhavanapadu TPP Ph-I / East Coast Energy Ltd. BTG-Chinese	Sep-09	U-1	660	Oct-13	Uncertain*	3785.6 (Jan-16)		Coal	6571.94	9343.15	42.17%	#VALUE!
			Sep-09	U-2	660	Mar-14	Uncertain*							#VALUE!
2	AP	Thamminapatnam TPP stage -II / Meenakshi Energy Pvt. Ltd. SG-Cether vessels TG-Chinese	Dec-09	U-3	350	May-12	Apr-18	5120.13 (Apr-18)		Coal	3120 (600MW)/ 5005 (700MW)			71
			Dec-09	U-4	350	Aug-12	Nov-18							75
3	Bihar	Siriya TPP (Jas Infra. TPP) / JICPL BTG-Chinese	Mar-11	U-1	660	Aug-14	Uncertain*	NA		Coal	11120	11120	0.00%	*
			Mar-11	U-2	660	Dec-14	Uncertain*							*
			Mar-11	U-3	660	Apr-15	Uncertain*							*
			Mar-11	U-4	660	Aug-15	Uncertain*							*
4	Chhattisgarh	Akaltara TPP (Naiyara) / KSK Mahandi Power Company Ltd./ Chinese	Apr-09	U-4	600	Apr-13	Jul-18	18730.00 (Dec-16)	for 6 units	Coal	16190	27080	67.26%	63
			Apr-09	U-5	600	Aug-13	Sep-18							61
			Apr-09	U-6	600	Dec-13	Dec-18							60
5	Chhattisgarh	Binjkote TPP/ SKS Power Generation (Chhattisgarh) Ltd. SG-Cethar Vessels TG-Harbin China	Mar-11	U-3	300	Mar-14	Uncertain	3828 (Jun-15)	For 4 Units	Coal	5058	7940	56.98%	*
			Mar-11	U-4	300	Jun-14	Uncertain							*

S.No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Exp. In crores. (Till Date)	Remarks	Fuel	Original Cost	Latest Cost	Cost Overrun	Time Overrun (Months)
6	Chhattisgarh	Lanco Amarkantak TPP-II/ LAP Pvt. Ltd. BTG-DEC	Nov-09	U-3	660	Jan-12	Uncertain	9537.79 (Dec-16)		Coal	6886	10815.24	57.06%	#VALUE!
			Nov-09	U-4	660	Mar-12	Uncertain							#VALUE!
7	Chhattisgarh	Singhitarai TPP / Athena Chhattisgarh Power Ltd. BTG -DECL	Dec-09	U-1	600	Nov-14	Uncertain (02/18)	6408.47 (May-17)		Coal	6200	8443.79	36.19%	*
			Dec-09	U-2	600	Feb-15	Uncertain (08/18)							*
8	Chhattisgarh	<u>Uchpinda TPP/ RKM Powergen. Pvt. Ltd. / SG-China Western TG-Habin Chaina</u>	Jul-07	U-4	360	Jul-13	Mar-18	11418.42 (Oct-17)	For 4 Units	Coal	6653.61	11784.51	77.11%	56
9	Chhattisgarh	Salora TPP / Vandana Vidyut/ BTG-Cether Vessles	Sep-09	U-2	135	Sep-11	Uncertain*	2386.89 (Mar-15)	For 2 Units	Coal	1458.44	1458.44	0.00%	*
10	Chhattisgarh	Deveri (Visa) TPP / Visa Power Ltd. BTG-BHEL	Jun-10	U-1	600	Aug-13	Uncertain*	2077.23 (Nov-15)		Coal	2618.7	3930	50.07%	*
11	Jharkhand	Matrishri Usha TPP Ph-I / Corporate Power Ltd. EPC-BHEL	Dec-09	U-1	270	Apr-12	Uncertain*	3120 (Nov-12)		Coal	2900	2900	0.00%	*
			Dec-09	U-2	270	May-12	Uncertain*							*
12	Jharkhand	Matrishri Usha TPP Ph-II / Corporate Power Ltd. EPC-BHEL	Mar-11	U-3	270	Oct-12	Uncertain*	2207 (Sep-12)		Coal	3182	3182	0.00%	*
			Mar-11	U-4	270	Jan-13	Uncertain*							*
13	Jharkhand	Tori TPP Ph-I / Essar Power Ltd. BTG-China	Aug-08	U-1	600	Jul-12	Uncertain*	4757.92 (Jun-17)		Coal	5700	5700	0.00%	*
			Aug-08	U-2	600	Sep-12	Uncertain*							*
14	Jharkhand	Tori TPP Ph-II / Essar Power Ltd.		U-3	600	Dec-15	Uncertain*	246.65 (Mar-15)			2500	2500	0.00%	*
15	Maharashtra	Amravati TPP Ph-II / Ratan India Power Pvt. Ltd. BTG-BHEL	Oct-10	U-1	270	Jul-14	Uncertain*	763.8 (Mar-15)		Coal	6646	6646	0.00%	*
			Oct-10	U-2	270	Sep-14	Uncertain*							*
			Oct-10	U-3	270	Nov-14	Uncertain*							*
			Oct-10	U-4	270	Jan-15	Uncertain*							*
			Oct-10	U-5	270	Mar-15	Uncertain*							*
16	Maharashtra	Lanco Vidarbha TPP / LVP Pvt. Ltd. EPC-LANCO	Nov-09	U-1	660	Jul-14	Uncertain*	5338 (Apr-17)		Coal	6936	10433	50.42%	#VALUE!
			Nov-09	U-2	660	Nov-14	Uncertain*							#VALUE!
17	Maharashtra	Nasik TPP Ph-II / Ratan India Nasik Power Pvt. Ltd. BTG-BHEL	Nov-09	U-1	270	Apr-13	Uncertain	711.81 (Mar-15)		Coal	6789	6789	0.00%	*
			Nov-09	U-2	270	Jun-13	Uncertain							*
			Nov-09	U-3	270	Aug-13	Uncertain							*
			Nov-09	U-4	270	Oct-13	Uncertain							*
			Nov-09	U-5	270	Dec-13	Uncertain							*

S.No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Exp. In crores. (Till Date)	Remarks	Fuel	Original Cost	Latest Cost	Cost Overrun	Time Overrun (Months)
18	Maharashtra	Bijora Ghanmukh TPP / Jinbhuvish Power Generation Pvt. Ltd. / BTG-Chinese	Sep-11	U-1	300	Dec-16	Uncertain	422.27 (Mar-15)		Coal	3189	3450	8.18%	*
			Sep-11	U-2	300	Mar-17	Uncertain							*
19	Maharashtra	Shirpur TPP ,Shirpur Power Pvt. Ltd.-BHEL	Nov-11	U-2	150	Apr-15	Mar-18	2277.94 (Apr-17)		Coal	2413	2413	0.00%	35
20	MP	Mahan TPP / Essar Power MP Ltd. / Chinese	Sep-08	U-2	600	Dec-11	Mar-18	8156.1 (Mar-17)	For 2 Units	Coal	7738	7738	0.00%	75
21	MP	Gorgi TPP / D.B. Power (MP) Ltd. BTG-BHEL	Mar-11	U-1	660	Jun-13	Uncertain	475.79 (Sep-15)		Coal	3941	3941	0.00%	*
22	MP	Niwari TPP / BLA Power Ltd./ BHEL - Siemens	Apr-11	U-2	45	May-14	Uncertain	290.01 (Sep-14)	For 2 Units	Coal	232.49	250.49	7.74%	*
23	Odisha	Ind Barath TPP (Odisha) / Ind Barath /BTG-Cethar Vessels	May-09	U-2	350	Dec-11	Jan-18	4254 (Apr-17)	For 2 Units	Coal	3150	4001	27.02%	73
24	Odisha	KVK Nilanchal TPP/ KVK Nilanchal / BTG-Harbin China	Nov-09	U-1	350	Dec-11	Uncertain*	1708.36 (Mar-15)		Coal	4990	6000	20.24%	*
			Nov-09	U-2	350	Feb-12	Uncertain*							*
			Nov-09	U-3	350	Feb-12	Uncertain*							*
25	Odisha	Lanco Babandh TPP / LBP Ltd./ BTG-Chinese	Nov-09	U-1	660	Apr-13	Uncertain*	7615 (Mar-17)		Coal	6930	10430	50.51%	*
			Nov-09	U-2	660	Aug-13	Uncertain*							*
26	Odisha	Malibrahmani TPP / MPCL/ BTG-BHEL	Jun-10	U-1	525	Dec-12	Uncertain*	5329.75 (Dec-14)		Coal	5093	6330	24.29%	*
			Jun-10	U-2	525	Feb-13	Uncertain*							*
27	TN	Tuticorin TPP (Ind-Barath) / IBPIL / BTG-Chinese	May-10	U-1	660	May-12	Uncertain*	2000 (May-15)		Coal	3595	3595	0.00%	*
28	TN	Tuticorin TPP St-IV / SEPC/ EPC-MEIL (BTG-BHEL)	Jan-14	U-1	525	Sep-18	Mar-19	2084.5 (Feb-17)		Coal	3514	3514	0.00%	6
29	WB	Hiranmaye Energy Ltd (India Power corporation (Haldia) TPP / Haldia Energy Ltd/ BTG-BHEL.	Sep-10	U-3	150	May-16	Apr-18	3259.53 (Sep-17)		Coal	2656	3307	24.51%	23
	Total Private Sector				24735			118310.96			144851.18	185034.62		
	Grand Total				69171.15			264943.79			437838.08	495110.76		

5. Thermal Power Projects visited during Fourth Quarter (January – March) of 2017-18

Following under construction thermal power projects in country were visited by officers of TPM-I & TPM-II Divisions to review the status of progress of ongoing construction activities at project sites:

Sl. No.	Name of Project with capacity	State
1.	Solapur STPP (2 x 660MW)	Maharashtra
2.	Kudgi STPP St.-I (3 x 800MW)	Karnataka
3.	Darlipalli STPP st.-I (2 x 800MW)	Odisha
4.	Ib Valley TPP (2 x 660MW)	Odisha
5.	Shree Singaji TPP, St.-II, Unit-3&4 (2 x 600MW)	Madhya Pradesh
6.	Uchpinda TPP (4 x 360MW), Ph-I Unit-4	Chhattisgarh
7.	Binjote TPP (4 x 270MW), Unit-3&4	Chhattisgarh
8.	Kothagudam TPP (1 x 800MW), Unit-12	Telangana

6. Details of Super Critical Units Commissioned in the country as on 31st March, 2018

State	Project Name	Impl Agency/ Make	Unit No	Cap. MW	Actual Comm. Date	BHEL	L&T	Chinese	Russia	Others	Doosan Power System India.
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Commissioned during 11th Plan

	<u>CENTRAL SECTOR</u>										
Chhattisgarh	Sipat-I	NTPC	U-1	660	28.06.11				660		
Chhattisgarh	Sipat-I	TG-Power M/C, Russia. SG-Dussan, Korea	U-2	660	24.12.11				660		
		Total Central Sector		1320		0	0	0	1320	0	0
	<u>PRIVATE SECTOR</u>										
Gujarat	Mundra TPP Ph-II	Adani Power Ltd	U-1	660	26.12.10			660			
Gujarat	Mundra TPP Ph-II	Boiler : Harbin, China & TG:M/s DEC, China	U-2	660	20.07.11			660			
Gujarat	Mundra TPP Ph-III	Adani Power Ltd	U-1	660	07.11.11			660			
Gujarat	Mundra TPP Ph-III	Boiler : Harbin, China & TG:M/s DEC, China	U-2	660	03.03.12			660			
Gujarat	Mundra TPP Ph-III	Boiler : Harbin, China & TG:M/s DEC, China	U-3	660	09.03.12			660			
Gujarat	Mundra UMTTP	Tata Power Co. Boiler: DOOSAN, KOREA TG: TOSHIBA, JAPAN	U-1	800	25.02.12					800	
Haryana	Jajjar TPP (Mahatama Gandhi TPP)	CLP Power India Pvt. Ltd Boiler: Harbin, China & TG:M/s DEC, China	U-1	660	12.01.12			660			
		Total Private Sector		4760		0	0	3960	0	800	0
	Grand Total in 11th Plan Commissioned			6080		0	0	3960	1320	800	0

Commissioned from 12th Plan (Targeted)

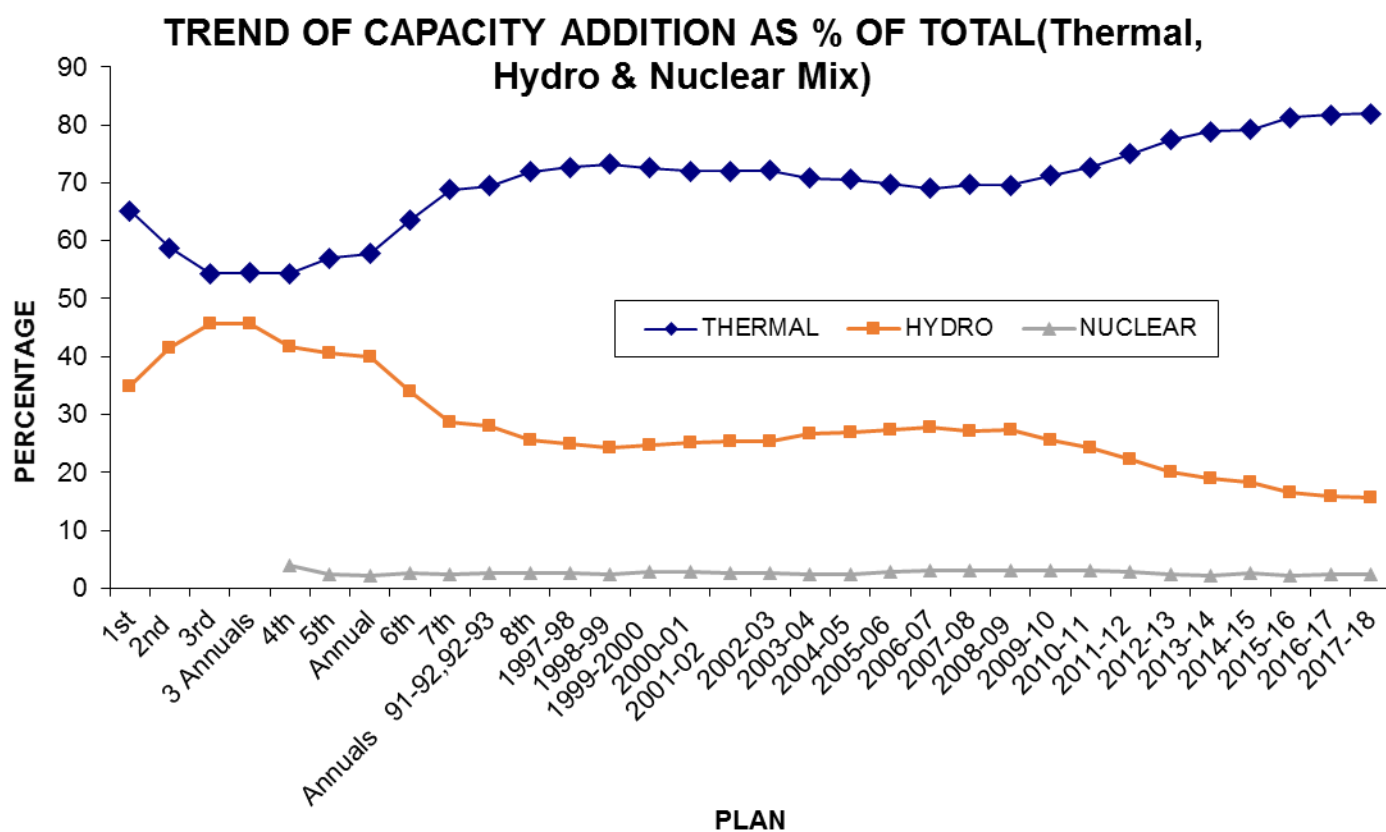
	<u>CENTRAL SECTOR</u>										
Chhattisgarh	Sipat-I		U-3	660	02.06.12				660		
Bihar	Barh -II	NTPC	U-4	660	30.11.13	660					
Bihar	Barh -II	NTPC	U-5	660	04.03.15	660					
		Total Central Sector		1980		1320	0	0	660	0	0

State	Project Name	Impl Agency/ Make	Unit No	Cap. MW	Actual Comm. Date	BHEL	L&T	Chinese	Russia	Others	Doosan Power System India.
	STATE SECTOR										
AP	Damodaram Sanjeevaiah TPS	APPDL	U-1	800	28.08.14		800				
AP	Damodaram Sanjeevaiah TPS	Boiler-BHEL, TG- L&T									
AP	Damodaram Sanjeevaiah TPS	Boiler-BHEL, TG- L&T	U-2	800	17.03.15		800				
Maharashtra	Koradi TPS Expn.	MSPGCL	U-8	660	30.03.15		660				
		Total State Sector		2260		0	2260	0	0	0	0
PRIVATE SECTOR											
AP	Painampuram TPP	Thermal Power Tech Corp. Ltd	U-1	660	07.02.15			660			
AP	Painampuram TPP	Thermal Power Tech Corp. Ltd	U-2	660	05.09.15			660			
AP	NCC TPP	NCC Power Projects Ltd	U-1	660	12.11.16			660			
AP	NCC TPP	NCC Power Projects Ltd	U-2	660	15.02.17			660			
Gujarat	Mundra UMTPP	Tata Power Co.	U-2	800	25.07.12					800	
Haryana	Jajjar TPP (Mahatama Gandhi TPP)	CLP Power India Pvt. Ltd	U-2	660	11.04.12			660			
Maharashtra	Tirora TPP Ph-I	Adani Power Ltd	U-1	660	11.09.12			660			
Maharashtra	Tirora TPP Ph-I	Boiler : BABCOCK, China & TG: BSTG , China	U-2	660	25.03.13			660			
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-1	660	10.06.13			660			
MP	Sasan UMPP	Reliance Power Ltd.	U-3	660	30.05.13			660			
MP	Sasan UMPP	BTG: M/s Shanghai Elec Corp., China	U-2	660	18.12.13			660			
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	U-1	700	24.01.14		700				
Punjab	Rajpura TPP (Nabha)	BTG:L&T	U-2	700	06.07.14		700				
Punjab	Talwandi Sabo TPP	M/s Sterlite	U-1	660	17.06.14			660			
Punjab	Talwandi Sabo TPP	M/s Sterlite	U-2	660	30.10.15			660			
Punjab	Talwandi Sabo TPP	M/s Sterlite	U-3	660	29.03.16			660			
U.P	Prayagraj (Bara) TPP	Prayagraj power Gen. Co.Ltd(J.P.Power Ventures)	U-1	660	25.12.15	660					
U.P	Prayagraj (Bara) TPP	Prayagraj power Gen. Co.Ltd(J.P.Power Ventures)	U-2	660	06.09.16	660					
		Total Private Sector		12100		1320	1400	8580	0	800	0
	Total 12th Plan Target Commissioned			16340		2640	3660	8580	660	800	0
Additional Units Commissioned, Not in the 12th Plan Target											
	Central Sector										
Karnataka	Kudgi STPP Ph-I	NTPC	U-1	800	25.12.2016						800
Karnataka	Kudgi STPP Ph-I	NTPC	U-2	800	23.03.2017						800
Maharashtra	Mouda STPP -II	NTPC	U-3	660	28.03.16	660					
Maharashtra	Mouda STPP-II	NTPC	U-2	660	18.03.2017	660					
		Sub-Total		2920		1320	0	0	0	0	1600
	State Sector										
Karnataka	Bellary TPS- St-III	KPCL	U-3	700	01.03.16	700					

State	Project Name	Impl Agency/ Make	Unit No	Cap. MW	Actual Comm. Date	BHEL	L&T	Chinese	Russia	Others	Doosan Power System India.
Karnataka	Yermaus TPP	KPCL	U-1	800	29.03.16	800					
Karnataka	Yermaus TPP	KPCL	U-2	800	29.03.17	800					
Maharashtra	Koradi TPS Expn.	MSPGCL	U-9	660	28.03.2016		660				
Maharashtra	Koradi TPS Expn.	MSPGCL	U-10	660	28.12.2016		660				
		Sub-Total		3620		2300	1320	0	0	0	0
	PRIVATE SECTOR										
Chhattisgarh	Raikheda TPP	GMR Chhattisgarh Energy Ltd.	U-1	685	27.02.15						685
		BTG: Doosan Power System India.	U-2	685	28.03.16						685
Gujarat	Mundra UMTPP	Tata Power Co.	U-3	800	16.10.12					800	
Gujarat	Mundra UMTPP	Tata Power Co.	U-4	800	16.01.13					800	
Gujarat	Mundra UMTPP	Tata Power Co.	U-5	800	18.03.13					800	
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-2	660	23.03.14			660			
		Boiler : BABCOCK, China & TG: BSTG , China									
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-3	660	25.09.14			660			
Rajasthan	Kawai TPP	Adani Power Ltd.	U-1	660	28.05.13			660			
		BTG: M/s Shanghai Elec Corp., China	U-2	660	24.12.13			660			
MP	Sasan UMPP	Reliance Power Ltd.	U-4	660	25.03.14			660			
MP	Sasan UMPP	BTG: M/s Shanghai Elec Corp., China	U-1	660	21.05.14			660			
MP	Sasan UMPP		U-5	660	24.08.14			660			
MP	Sasan UMPP		U-6	660	19.03.15			660			
	Nigri TPP	Jaiprakash Power ventures Ltd	U-1	660	29.08.14		660				
		BTG:L&T	U-2	660	17.02.15		660				
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-2	660	08.01.16	660					
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-1	660	26.03.16	660					
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-3	660	01.04.16	660					
		Total Private Sector		12350		1980	1320	5280	0	2400	1370
	Total Additional			18890		5600	2640	5280	0	2400	2970
Units Commissioned during the year 2017-18											
Central Sector											
Maharashtra	Solapur STPP	NTPC	U-1	660	07.04.2017					660	
karnataka	Kudgi STPP Ph-I	NTPC	U-3	800	12.03.18					800	
	Total Central Sector			1460		0	0	0	0	1460	0
State Sector											
Rajasthan	Chhabra STPP	RRVUNL	U-5	660	04.04.2017		660				
	Total State Sector			660		0	660	0	0	0	0
Private Sector											
UP	Paryagraj(Bara) TPP	Prayagraj Power Gen Co. Ltd	U-3	660	22.05.2017	660					
	Total Private Sector			660		660	0	0	0	0	0
	Total Additional			2780		660	660	0	0	1460	0
	Grand Total Commissioned till date			44090		8900	6960	17820	1980	5460	2970

7. Trend of Thermal & Hydro Mix as on 31.03.2018

Mode-wise	All India Installed Cap. as on 31.03.2017 (In MW)	Capacity Addition during 2017-18 (In MW)					As on 31.03.2018 (In MW)	Percentage (%)
		Q1	Q2	Q3	Q4	Total		
Thermal	218329.88	4090	510	150	3960	8710	227039.88	81.34
Hydro	44478.42	136	142	187	330	795	45273.42	16.22
Nuclear	6780.00	0	0	0	0	0	6780.00	2.42
Total	269588.3	4226	652	337	4290	9505	279093.3	100



8. Year/Plan wise Thermal Capacity Addition in the Country

Sl. No.		Year	Capacity Addition (MW)	Target (MW)	% Achievement
	1st Five Year Plan (1.1.51 to 31.12.55)				
1		1951	107.02		
2		1952	86.33		
3		1953	227.43		
4		1954	126.64		
5		1955	54.69		
		Total :	<u>602.11</u>		
	2nd Five Year Plan (1.1.56 to 31.03.61)				
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>		
		Total :	<u>981.05</u>		
	3rd Five Year Plan (1.4.61 to 31.03.66)				
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>		
		Total :	<u>2166.89</u>		
	Annual Plans (1966-67, 67-68, 68-69)				
16		1966-67	431.67		
17		1967-68	1061.29		
18		1968-69	654.12		
		Total :	<u>2147.08</u>		
	4th Five Year Plan (1.4.69 to 31.03.74)				
19		1969-70	497.32		
20		1970-71	358.04		
21		1971-72	317.04		
22		1972-73	653.54		
23		1973-74	181.96		
		Total :	<u>2007.9</u>	5746	34.94
	5th Five Year Plan (1.4.74 to 31.03.79)				
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>		
		Total :	<u>6148.73</u>	7845	78.38
29		1979-80	<u>1216.87</u>	2265	53.72
	6th Five Year Plan (1.4.80 to 31.03.85)				
30		1980-81	1138.6		
31		1981-82	1749.82		
32		1982-83	2135.13		
33		1983-84	2940.89		
34		1984-85	2641.4		
		Total :	<u>10605.84</u>	14898	71.19

Sl. No.		Year	Capacity Addition (MW)	Target (MW)	% Achievement
	7th Five Year Plan (1.4.85 to 31.03.90)				
35		1985-86	2977		
36		1986-87	1920		
37		1987-88	3912		
38		1988-89	4117.3		
39		1989-90	4167		
		Total :	17093.3	15999	106.84
	Annual Plans (1990-91, 91-92)				
40		1990-91	2364	3962	59.67
41		1991-92	2370.5	4512	52.54
	8th Five Year Plan (1.4.92 to 31.03.97)				
42		1992-93	2944.32		
43		1993-94	3741.6		
44		1994-95	3928.5		
45		1995-96	1976.5		
46		1996-97	963		
		Total :	13553.92	20156	67.25
	9th Five Year Plan (1.4.97 to 31.03.2002)				
47		1997-98	2993.5		
48		1998-99	3724.5		
49		1999-2000	2696		
50		2000-01	2277.9		
51		2001-02	2009		
		Total :	13700.9	29550.7	46.36
	10th Five Year Plan (1.4.02 to 31.03.07)				
52		2002-03	2223.1		
53		2003-04	1361.6		
54		2004-05	2933.92		
55		2005-06	1588.8		
56		2006-07	4006.8		
		Total :	12114.22	25416.2	47.66
	11th Five Year Plan (1.4.07 to 31.03.12)				
57		2007-08	6620		
58		2008-09	2484.7		
59		2009-10	9106		
60		2010-11	11250.5		
61		2011-12	19078.7		
		Total	48539.9	59693	81.32
	12th Five Year Plan (01.04.12 to 31.03.17)				
62		2012-13	20121.8	15154.3	132.78
63		2013-14	16767	15234.3	110.06
64		2014-15	20830.3	14988.3	138.98
65		2015-16	22460.6	17346.1	129.49
65		2016-17	11550.75	13440.5	85.94
		Total	91730.45	76163.5	120.44

9. Thermal Generating Capacity in the country since inception of 1st Five year plan

Plan/ Duration	Capacity Addition (MW)	Cumulative (MW)
1st Plan (1.1.51 to 31.3.56)	602.11	1755
2nd Plan (1956-61)	981.05	2736
3rd Plan (1961-66)	2166.89	4903
Annual Plan (1966-67)	431.67	5335
Annual Plan (1967-68)	1061.29	6396
Annual Plan (1968-69)	654.12	7050
4th Plan (1969-74)	2007.9	9058
5th Plan (1974-79)	6148.73	15207
Annual Plan (1979-80)	1216.87	16424
6th Plan (1980-85)	10606.00	27030
7th Plan (1985-90)	17093.3	44123
Annual Plan (1990-91)	2364.00	46487
Annual Plan (1991-92)	2370.50	48858
8th Plan (1992-97)	13554.82	62412
9th Plan (1997-2002)	13700.90	76113
10th Plan (2002-07)	12114.24	88228
11th Plan (2007-12)	48539.90	136768
12th Plan (2012-17)	91730.45	228498

9.1 Bar Chart representing Plan-wise Growth of Thermal Capacity

