



देश में कार्यान्वित तापीय विद्युत परियोजनाओं की प्रगति का पुनर्वालोचन

Review of Progress of Thermal Power Projects under execution in the Country



169वाँ त्रैमासिक पुनर्वालोचन (अक्टूबर- दिसंबर, 2019)

(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)

169th QUARTERLY REVIEW
(October - December, 2019)

केन्द्रीय विद्युत प्राधिकरण
CENTRAL ELECTRICITY AUTHORITY
विद्युत मंत्रालय
MINISTRY OF POWER
भारत सरकार
GOVERNMENT OF INDIA
नई दिल्ली
NEW DELHI

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, 169th in the series (for the period October–December, 2019) gives the details of thermal power projects commissioned during 12th plan and onwards along with quarterwise details of the Projects for the year 2019-20. This review also provides information in respect of thermal power projects under construction for commissioning beyond 2019-20.

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.


22/01/2020
(M.P. Singh)

Chief Engineer (TPM)

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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 (Year wise/Sector wise) 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 FY 2017-18 and FY 2018-19

Thermal capacity addition after 12 th Plan (from 01.04.2017 onwards)				
	2017 - 18 (MW)		2018-19 (MW)	
Sector	Target (MW)	Achievement (MW)	Target (MW)	Achievement (MW)
Central	48800	3170	2760	1300
State	3546.15	1260	4506.15	2780
Private	2940	2280	Nil	Nil
Total	11366.15	6710	7266.15	4080
Additional Thermal Capacity included in Capacity Addition				
Central	-	0	-	660
State	-	500	-	69.755
Private	-	1500	-	972
Total	-	2000	-	1701.755
Grand Total	11366.15	8710	7266.15	5781.755

1.4 Thermal Capacity addition during 2019-20 (MW)

Thermal capacity addition achieved during 2019-20 (MW)		
Sector	Target (MW)	Achievement(MW) Total
Central	6040	3280
State	4256.15	2120
Total	10296.15	5400
Thermal Capacity Addition during 2019-20 (Additional Projects)		
Private	0	45
Total Grand Thermal Capacity Addition		5445

(Note: BLA Power Pvt. Ltd (Niwari TPP) MP, Unit-2 achieved COD on 20.03.2017 & was added in Thermal Cap. in June, 2019 after the information received.)

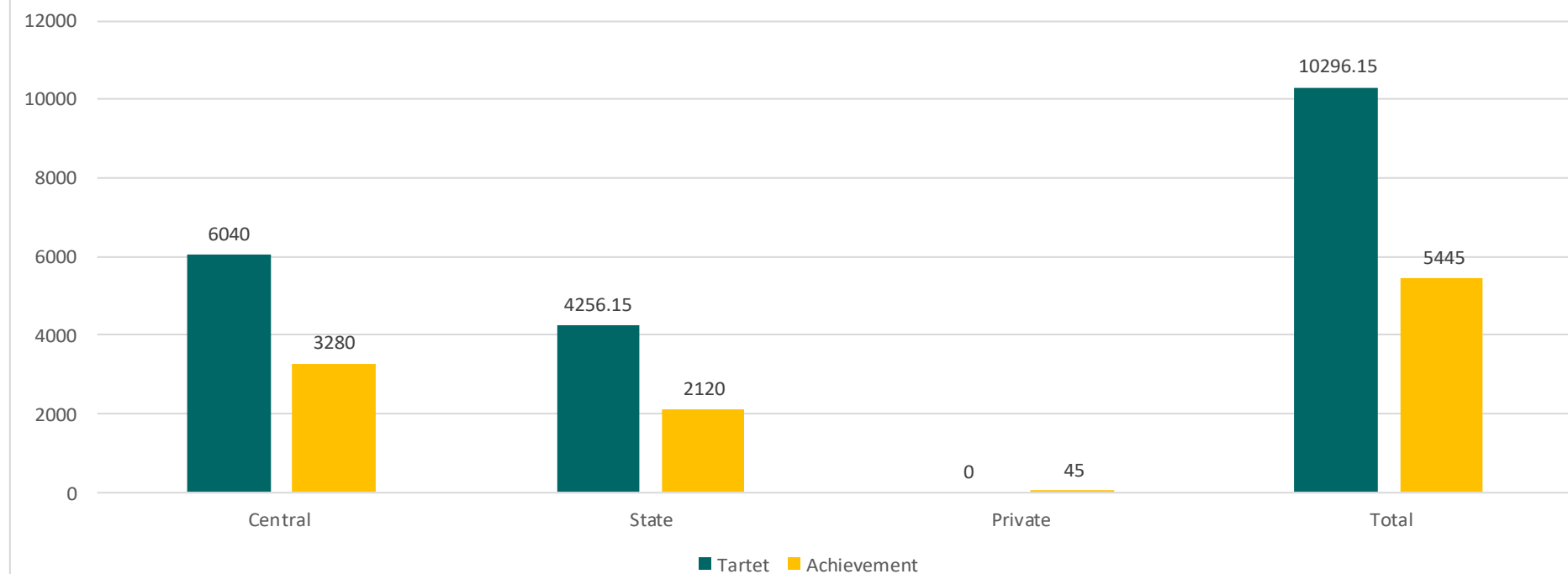
1.5 Summary of Super Critical and Sub Critical Units under construction in the country (As on 31st December, 2019)

	Super Critical (MW)	Sub-Critical (MW)	Total (MW)	Super Critical Units	Sub Critical Units
Central	18280	1500	19780	26	5
State	17240	1486.15	19526.15	24	6
Private	9240	14490	23730	14	39
Total	44760	17476.15	63036.15	64	50

2. RFD FOR THE YEAR 2019-20

S. No.	Project Name	LOA Date	Unit No	Fuel	Targeted Cap. (MW)	Org. Comm. Sched.	Ant. Trial Run/ COD at the Beginning of the year	Achieved Cap. (MW)	Actual/ Ant. Date of Cap. Addition	Remarks
	CENTRAL SECTOR									
1	Nabi Nagar STPP	Jan-13	U-1	Coal	660	Jan-17	May-19	660	12.07.2019(A)	TR completed on 12.07.2019
2	Lara STPP	Dec-12	U-2	Coal	800	May-17	Dec-19		Dec-19	
3	Gadarwara STPP	Mar-13	U-2	Coal	800	Sep-17	Dec-19		Dec-19	
4	Khargone STPP St-I	Mar-15	U-1	Coal	660	Mar-19	Aug-19	660	29.09.19(A)	TR completed on 29.09.2019
		Mar-15	U-2	Coal	660	Sep-19	Feb-20		Feb-20	
5	Darlipalli STPP St-I	Feb-14	U-1	Coal	800	Feb-18	Aug-19	800	30.12.2019 (A)	TR completed on 29.12.2019 at 24:00 Hrs
6	Tanda TPP St- II	Sep-14	U-5	Coal	660	Sep-17	Sep-19	660	28.09.19(A)	TR completed on 28.09.2019
7	Neyveli New TPP	Jun-11	U-1	Lignite	500	Mar-18	Apr-19	500	20.12.2019 (A)	TR completed on 20.12.2019
		Jun-11	U-2	Lignite	500	Sep-18	Oct-19		Oct-19	
	Total Central Sector				6040			3280		
	STATE SECTOR									
1	Dr.Narla Tata Rao TPS Stage-V	Dec-15	U-8	Coal	800	Jun-19	Feb-20		Feb-20	
2	Namrup CCGT	Feb-09	ST	Gas	36.15	Jan-12	Nov-19		Nov-19	
3	Wanakbori TPS Extn.	Oct-14	U-8	Coal	800	Oct-18	Nov-19	800	Nov-19	TR completed on 12.10.2019
4	Yelahanka CCPP	Nov-15	GT+ST	Gas	370	Mar-18	Nov-19		Nov-19	
5	Ib valley TPP	Mar-14	U-3	Coal	660	Aug-17	Apr-19	660	01.07.19(A)	TR completed on 01.07.2019.
		Mar-14	U-4	Coal	660		Jul-19	660	17.08.19(A)	TR completed on 17.08.2019.
6	Suratgarh SCTPP	Mar-13	U-7	Coal	660	Jul-16	Nov-19		Nov-19	
7	Bhadradri TPP	Mar-15	U-1	Coal	270	Mar-17	Jan-20		Jan-20	
	Total Sector Sector				4256.15			2120		
	TOTAL THERMAL CAPACITY ADDITION				10296.15			5400		
	ADDITIONAL PROJECTS									
	PRIVATE SECTOR									
1	BLA Power Pvt. Ltd (Niwari) TPP	Apr-11	U-2	Coal				45	06.06.2019(A)	COD on 20.03.2017, but information received late. Capacity addition on 06.06.2019 after approval of Chairperson, CEA.
	Total Additional Capacity							45		
	GRAND TOTAL - THERMAL CAPACITY ADDITION							5445		

THERMAL GENERATION CAPACITY ADDITION TARGET/ACHIEVMENT FOR THE YEAR 2019-20 in MW



3. Year Wise Thermal Capacity Additional in the Country during 12th Plan

3.1 Thermal Capacity Addition Target/ Achievement for the Year 2012-13

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Actual Cap. comm. (MW)	Comm. Date		COD
								Envisaged at the beginning of year	Ant. /Act(A)	
CENTRAL SECTOR										
Chhattisgarh	Sipat -I	NTPC	U-3	Apr-04	Others	660	660	06/12	02.06.12(A)	01.08.2012
Haryana	Indira Gandhi TPP	APCPL	U-3	Jul-07	BHEL	500	500	12/12	07.11.12(A)	26.04.2013
Jharkhand	Kodarma TPP	DVC	U-2	Jun-07	BHEL	500	500	12/12	15.02.13(A)	14.06.2014
Maharashtra	Mouda TPP	NTPC	U-1	Nov-08	BHEL	500	500	07/12	19.04.12(A)	13.03.2013
Maharashtra	Mouda TPP	NTPC	U-2	Nov-08	BHEL		500		29.03.13(A)	March 14
MP	Vindhyachal TPP-IV	NTPC	U-11	Jan-09	BHEL	500	500	07/12	14.06.12(A)	01.03.2013
MP	Vindhyachal TPP-IV	NTPC	U-12	Jan-09	BHEL		500		22.03.13(A)	March 14
TN	Vallur TPP Ph-I	NTECL	U-2	Aug-07	BHEL	500	500	02/13	28.02.13(A)	25.08.2013
Tripura	Tripura Gas	ONGC	Module-1	Jun-08	BHEL	363.3	363.3	11/12	03.01.13 (A)	04.01.2014
UP	Rihand TPP-III	NTPC	U-5	Feb-09	BHEL	500	500	06/12	25.05.12(A)	19.11.2012
			Total Central Sector			4023.3	5023.3			
STATE SECTOR										
Chhattisgarh	Korba West Extn.St.III TPP	CSEB	U-5		BEHL		500		22.03.13(A)	05.09.2013
Chhattisgarh	Marwa TPP	CSEB	U-1	Apr-08	BHEL	500		02/13	Slipped	
Delhi	Pragati CCGT - III	PPCL	GT-3	May-08	BHEL	250	250	08/12	27.06.12(A)	28.10.2013
Gujarat	Pipavav CCPP	GSECL	Block-2	Dec-07	BHEL	351	351	01/13	27.03.13(A)	27.03.2013
	Ukai TPP Extn	GSECL	U-6	Sep-07	BHEL	490	490	12/12	05.03.13(A)	08.06.2013
Rajasthan	Ramgarh CCGT	RRVUNL	GT	Aug-09	BHEL	110	110	01/13	20.03.13(A)	06.12.2013
	Ramgarh CCGT	RRVUNL	ST-1		BHEL	50		02/13	Slipped	
MP	Satpura TPP Extn.	MPPGCL	U-10	Mar-08	BHEL	250	250	02/13	22.03.13(A)	18.08.2013
TN	Mettur TPP Ext	TNEB	U-1	Aug-08	Chinese	600	600	06/12	11.10.12(A)	12.10.2013
	North Chennai Extn.	TNEB	U-2	Aug-08	BHEL	600	600	03/13	09.03.13(A)	08.05.2014
UP	Harduaganj Ext	UPRVUNL	U-9	Jun-06	BHEL	250	250	05/12	25.05.12(A)	10.10.2013
	Parichha Extn	UPRVUNL	U-5			250	250	06/12	24.05.12(A)	17.07.2012
	Parichha Extn	UPRVUNL	U-6			250	250	09/12	11.03.13(A)	18.04.2013
			Total -State Sector			3951	3911			

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Actual Cap. comm. (MW)	Comm. Date		COD
								Envisaged at the beginning of year	Ant. /Act(A)	
PRIVATE SECTOR										
AP	Simhapuri TPP Ph-1	Madhucon Projects Ltd.	U-2	Jan-09	Chinese	150	150	09/12	02.07.12(A)	15.07.2012
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-1	Aug-09	Chinese	150	150	08/12	09.09.12(A)	07.10.2012
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-2			150		11/12	Slipped	
Chhattisgarh	Kasaipalli TPP	M/s ACB (India)	U-2	Nov-08	Chinese	135	135	06/12	21.06.12(A)	21.06.2012
	Salora TPP	M/s Vandna Vidyut	U-1	Nov-08	Chinese	135		12/12	Slipped	
	Swastik Korba TPS	ACB	U-1		Others	25		06/12	Slipped	
	Ratija TPP	SCPL	U-1		Chinese		50		04.02.13(A)	27.02.2013
Gujarat	Mundra Ultra Mega TPP	Tata Power Co.	U-2	May-07	Others	800	800	12/12	25.07.12(A)	28.07.2012
	Mundra Ultra Mega TPP	Tata Power Co.	U-3	May-07	Others		800		16.10.12(A)	27.10.2012
	Mundra Ultra Mega TPP	Tata Power Co.	U-4	May-07	Others		800		16.01.13(A)	21.01.2013
	Mundra Ultra Mega TPP	Tata Power Co.	U-5	Jun-07	Others		800		18.03.13(A)	22.03.2013
	UNO-SUGEN CCPP	Torrent Power Ltd.	Mod-1		Others		382.5		20.01.13(A)	04.04.2013
	Salaya TPP	ESSAR	U-2	Nov-07	Chinese	600	600	08/12	13.06.12(A)	15.06.2012
Haryana	Jhajjar TPP (Mahatma Gandhi TPP)	CLP Power India Pvt. Ltd.	U-2	Jan-09	Chinese	660	660	04/12	11.04.12(A)	19.07.2012
Jharkhand	Adhunik Power TPP	Adhunik Power Co. Ltd.	U-1	May-09	BHEL	270	270	09/12	19.11.12(A)	21.01.2013
	Adhunik Power TPP	Adhunik Power Co. Ltd.	U-2	May-09	BHEL		270		29.03.13(A)	19.05.2013
	Corporate Power Ltd Ph-I (Maitrishi Usha)	M/s Corporate Power Ltd.	U-1	Dec-09	BHEL	270		12/12	Slipped	
Maharashtra	Bela TTP-I	IEPL	U-1	Dec-08	BHEL	270	270	09/12	20.03.13(A)	18.07.2013
	Butibori TPP	Vidarbha Industries Power	U-2	Dec-09	Chinese	300	300	08/12	17.08.12 (A)	04.04.2013
	EMCO Warora TPP	EMCO Energy Ltd. (GMR)	U-1	Sep-09	Chinese	300	300	11/12	07.02.13(A)	19.03.2013
	Tirora TPP Ph-I	Adani Power Ltd	U-1	Feb-08	Chinese	660	660	08/12	11.09.12(A)	23.09.2012
	Tirora TPP Ph-I	Adani Power Ltd	U-2			660	660	11/12	25.03.13(A)	30.03.2013
	Tirora TPP Ph-II	Adani Power Ltd	U-1			660		02/13	Slipped	
	GEPL TPP	GEPL Pvt. Ltd.	U-2	Mar-09	Chinese		60		28.04.12(A)	
	GEPL TPP	GEPL Pvt. Ltd.	U-1		Chinese		60		08.09.12(A)	09.05.2012
	Amaravathi TPP Ph-I	Indiabulls	U-1		BHEL		270		25.03.13(A)	03.06.2013
MP	Bina TPP	Bina Power Ltd.	U-1	Sep-08	BHEL	250	250	09/12	12.08.12(A)	30.08.2012
	Bina TPP	Bina Power Ltd.	U-2	Sep-08	BHEL		250		31.03.13(A)	07.04.2013
	Mahan	Essar Power Ltd.	U-1		Chinese		600		24.02.13(A)	29.04.2013
Orissa	Sterlite TPP	Sterlite Energy Ltd.	U-4	Sep-08	Chinese	600	600	06/12	25.04.12(A)	26.04.2012
	Kamalanga TPP		U-1		Chinese		350		29.03.13(A)	25.03.2014
Rajasthan	Jallipa- Kapurdi TPP	Raj west power Ltd (JSW)	U-5	Mar-07	Chinese	135	135	03/13	05.02.13(A)	05.02.2013
			U-6	Apr-07	Chinese		135		03.03.13(A)	03.03.2013
			U-7	Jun-07	Chinese		135		16.03.13(A)	16.03.2013
			U-8	May-07	Chinese		135		28.02.13(A)	28.02.2013
TN	Tuticorin TPP	Ind Barath	U-1		Chinese		150		10.03.13(A)	07.02.2013
			Total -Private Sector			7180	11187.5			
		Total for the year 2012-13				15154.3	20121.8			

3.2 Thermal Capacity Addition Target/ Achievement for the Year 2013-14

As on 31.03.14

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Actual Cap. comm. (MW)	Actual Comm. Date	At the beginning of the year	COD
CENTRAL SECTOR										
Bihar	Barh STPP St-II	NTPC	4	03/08 & 10/08	BHEL	660	660	30/11/13	12/13	15.11.2014
TN	Vallur TPP Ph-I	NTPC/ NTECL/ TNEB-JV	3	07/09	BHEL	500	500	28.02.2014	03/14	26.02.2015
TN	Tuticorin TPP	NLC/ TNEB-JV	1	01/09	BHEL	500		Slipped	03/14	
Tripura	Tripura CCGT	ONGC JV	Blk-2	06/08	BHEL	363.3		Slipped	09/13	
UP	Rihand STPP St-III	NTPC	6	02/09	BHEL	500	500	7/10/2013	12/13	March 2014
WB	Raghunathpur TPP	DVC	1	12/07	CHINA	600		Slipped	03/14	
			Total Central Sector			3123.3	1660			
STATE SECTOR										
Chhattisgarh	Marwa TPP	CSEB	1	04/08	BHEL	500	500	30.03.2014	09/13	
Delhi	Pragati St-III CCGT	PPCL	GT-4	05/08	BHEL	250	250	7/5/2013	06/13	27.02.2014
Delhi	Pragati St-III CCGT	PPCL	ST-2	05/08	BHEL	250	250	26.02.2014	09/13	27.03.2014
Gujarat	Pipavav JV CCGT	GSECL	Block-1	12/07	BHEL	351	351	05/02/2013	09/13	
MP	Shree Singaji TPP(Malwa TPP)	MPPGCL	1	12/08	BHEL	600	600	18/11/2013	06/13	February 2014
MP	Satpura TPS Extn.	MPPGCL	11	03/08	BHEL	250	250	25/12/2013	10/13	16.03.2014
Maha-rashtra	Chandrapur TPS Extn.	MAHAGENCO	8	07/08	BHEL	500		Slipped	12/13	
Rajasthan	Kalisindh TPP	RRVUNL	1	07/08	SEPCO, CHINA	600		Slipped	12/13	
Rajasthan	Chhabra TPS Extn.	RRVUNL	3	08/08	BHEL	250	250	14/09/13	06/13	19.12.2013
Rajasthan	Chhabra TPS Extn.	RRVUNL	4	08/08	BHEL	250		Slipped	01/14	
Rajasthan	Ramgarh CCPP	RRVUNL	ST	08/09	BHEL	50		Slipped	12/13	
TN	North Chennai TPS Extn.	TNEB	1	08/08	BHEL	600	600	13/09/13	09/13	20.03.2014
			Total -State Sector			4451	3051			
PRIVATE SECTOR										
AP	Vizag TPP	Hinduja	1	03/10	BHEL	520			03/14	
AP	Thammina-patnam TPP	Meena-kshi Energy	2	08/09	Chinese	150	150	17/04/13	09/13	30.04.2013
Chhattis-garh	Tamnar TPP	Jindal Power	1	12/08	BHEL	600	600	10.03.2014	03/14	14.03.2014
Chhattis-garh	Vandana Vidyut TPP	Vandana Vidyut TPP	1	05/08	BOILER: CETHAR VESSELS LTD TG: CNAIC, CHINA	135		Slipped	06/13	
Chhattis-garh	DB Power TPP	DB Power Ltd	1	05/10	BHEL	600	600	23.02.2014	12/13	03.11.2014
Chhattis-garh	Swastik Korba TPP	ACB	1	02/10	BOILER: IJT; TURBINE: SIEMENS	25		Slipped	12/13	
Chhattis-garh	Akaltara TPP	KSK Mahanadi	1	04/09	SEC, CHINA	600	600	13/08/13	09/13	14.08.2013
MP	Sasan UMPP	Reliance Power	3	06/08	SEC, CHINA	660	660	30/5/13	05/13	
MP	Sasan UMPP	Reliance Power	2	06/08	SEC, CHINA	660	660	18/12/13	09/13	
Maha-rashtra	Nasik TPP Ph-I	India Bulls	1	11/09	BHEL	270	270	25.02.2014	09/13	29.03.2014

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Actual Cap. comm. (MW)	Actual Comm. Date	At the beginning of the year	COD
Maha-rashtra	Dhariwal Infrastructure (P) Ltd.TPP	Dhariwal Infra-structure (P) Ltd.	1	04/10	SEC, CHINA	300	300	3/11/2013	06/13	13.02.2014
Maha-rashtra	Dhariwal Infrastructure (P) Ltd.TPP	Dhariwal Infra-structure (P) Ltd.	2	04/10	SEC, CHINA	300		Slipped	12/13	
Maha-rashtra	EMCO Warora TPP	GMR EMCO Energy Ltd.	2	09/09	SEC, CHINA	300	300	27/08/2013	06/13	01.09.2013
Maha-rashtra	Tirora TPP Ph-II	Adani Power	1	02/08	SCMEC, CHINA	660	660	10/6/2013	06/13	14.06.2013
Orissa	Derang TPP	Jindal India Thermal Power	1	07/09	BHEL	600		Slipped	12/13	
Orissa	Kamalang TPP	GMR Energy	2	08/08	SEPCO III, CHINA	350	350	28/09/13	09/13	12.11.2013
Punjab	Goindwal Sahib TPP	GVK Industries	1	02/09	BHEL	270		Slipped	06/13	
Punjab	Talwandi Sahib TPP	Sterlite	1	07/09	SEPCO I, CHINA	660		Slipped	01/14	
			Total -Private Sector			7660	5150			
			Total for during the year 2013-14			15234.3	9861			
Additional Capacity Commissioned										
Rajasthan	Kawai TPP	Adani Power Rajasthan Ltd.	1	04/10	Chinese		660	28/05/2013		31.05.2013
Tripura	Rokhia GT	Tripura State Electricity Corporation Ltd.)	9		BHEL		21	31/08/2013		
Rajasthan	Kawai TPP	Adani Power Rajasthan Ltd.	2	04/10	Chinese		660	24/12/2013		31.05.2014
MP	BLA Power(Niwari) TPP	BLA Power Pvt.Ltd	1		Boiler –ISGEC Turbine- SIEMENS		45	24/03/2012		03.04.2012
TN	Tuticorin Indbarath	Indbarath Ltd	2		Chinese		150	30/12/2013		15.03.2014
Punjab	Rajpura TPP	Nabha Power	1	Jul-10	L&T		700	24/01/2014		01.02.2014
Gujarat	Dgen CCPP	Torrent Power	Block-I	Jul-10	Siemens Germany		400	12/01/2014		
Maharashtra	Amaravati TPP Ph-I	India bulls Power Ltd	2	Nov-09	BHEL		270	17.02.2014		28.03.2014
AP	Simhapuri TPS Ph-II	Simhapuri Energy Pvt Ltd	3	Mar-10	Chinese		150	21.02.2014		26.02.2014
Gujarat	Dgen CCPP	Torrent Power	Block-3	Jul-10	Siemens Germany		400	09/03/2014		
Orissa	Kamalang TPP	GMR Energy	3	08/08	SEPCO III, CHINA		350	21/03/14		25.03.2014
Maha-rashtra	Tirora TPP Ph-II	Adani Power	2	02/08	SCMEC, CHINA		660	23/3/2014		31.03.2014
MP	Sasan UMPP	Reliance Power	4	06/08	SEC, CHINA		660	25/03/14		12.04.2014
Chhattis-garh	Tamnar TPP	Jindal Power	2	12/08	BHEL		600	30.03.2014		31.03.2014
Chhattis-garh	Chakabura TPP	ACBIL	1		Chinese		30	28.03.2014		30.03.2014
West Bengal	Durgapur TPS Extn	DPL	8		BHEL		250	31.03.2014		
Chhattis-garh	Avantha Bhandar TPP	KWPCL	1		BHEL		600	31.03.2014		01.04.2014
Maha-rashtra	Butibori TPP Ph-II	Vidarbha Industries Power Ltd	1		Chinese		300	19.03.2013		28.03.2014
			Total Addl.Capacity				6906			
			Total for the Year 2013-14				16767			

3.3 Thermal Capacity Addition Target/ Achievement for the Year 2014-15

State	Project Name	Impl Agency	Equip. Supplier	Fuel	Unit No	LOA date	Targeted Cap. (MW)	Actual Cap .comm. (MW)	Actual Comm. Date	At the beginning of the year	COD
CENTRAL SECTOR											
Bihar	Barh STPP-II	NTPC	BHEL	Coal	U-5	SG:03/2008 TG:10/2008	660	660	04.03.2015	Feb-15	18.02.2016
	Muzaffarpur TPS Exp	KBUNL (JV of NTPC & BSEB)	BHEL	Coal	U-3	03/2010	195	195	31.03.2015	Mar-15	18.03.2017
TN	Tuticorin TPP	NTPL (JV of NLC & TANGEDCO)	BHEL	Coal	U-1	28.01.09	500	500	10.03.2015	Oct-14	18.06.2015
			BHEL	Coal	U-2		500			Feb-15	
Tripura	Palatana CCPP	OTPC (JV of ILFS, ONGC & Tripura Govt)	BHEL	Gas	BLK-2	23.06.08	363.3	363.3	16.11.2014	Aug-14	
WB	Raghunathpur TPP, Ph-I	DVC	Chinese	Coal	U-1	14.12.2007	600	600	24.08.2014	Aug-14	31.03.2016
Total Central Sector							2818.3	2318.3			
STATE SECTOR											
AP	Damodaram Sanjeevaiah TPP	APPDCL	Blr- BHEL TG- L&T	Coal	U-1	SG:08/2008	800	800	28.08.2014	Jun-14	05.02.2015
					U-2	TG:09/2008	800	800	17.03.2015	Jan-15	24.08.2015
Chhattisgarh	Marwa TPP	CSPGCL	BHEL	Coal	U-2	11.04.08	500		Slipped	Dec-14	
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	Coal	U-8	25.07.08	500	500	29.03.2015	Oct-14	04.06.2016
	Koradi TPS Expn.	MSPGCL	L&T	Coal	U-8	23.09.09	660	660	30.03.2015	Oct-14	16.12.2015
	Koradi TPS Expn.	MSPGCL	L&T	Coal	U-9		660		Slipped	Jan-15	
	Parli TPS Expn.	MSPGCL	BHEL	Coal	U-8	21.01.09	250		Slipped	Nov-14	
MP	Malwa TPP (Shree Singaji)	MPPGCL	BHEL	Coal	U-2	12.12.08	600	600	15.10.2014	Sep-14	01.01.2015
Rajasthan	Kalisindh TPP	RRVUNL	Chinese	Coal	U-1	09.07.08	600	600	02.05.2014	Jun-14	01.06.2014
	Kalisindh TPP		Chinese	Coal	U-2		600		Slipped	Jan-15	
	Ramgarh CCPP		BHEL	Gas	ST	18.08.09	50	50	01.05.2014	Jul-14	
	Chhabra TPP		BHEL	Coal	U-4	20.08.08	250	250	30.06.2014	Jun-14	30.12.2014
UP	Anpara-D TPS	UPRVUNL	BHEL	Coal	U- 6	27.10.07	500		Slipped	Mar-15	
Total State Sector							6770	4260			

State	Project Name	Impl Agency	Equip. Supplier	Fuel	Unit No	LOA date	Targeted Cap. (MW)	Actual Cap .comm. (MW)	Actual Comm. Date	At the beginning of the year	COD
PRIVATE SECTOR											
AP	Painampuram TPP	Thermal Power Tech Corp.Ltd	Chinese	Coal	U-1	09/2010	660	660	07.02.2015	Dec-14	02.03.2015
	Vizag TPP	Hinduja National Power Corp.Ltd	BHEL	Coal	U-1	03/2010	520		Slipped	Oct-14	
Chhattisgarh	Swastic Korba TPP	ACB India Ltd.	Blr:ISGEC India TG:Siemens	Coal	U-1	29.03.10	25	25	31.03.2015	Nov-14	
	Salora TPP	Vandana Vidyut Ltd	Chinese	Coal	U-1	11/2008	135	135	10.04.2014	Sep-14	01.05.2014
	Bandakhar TPP	Maruti Clean coal	Chinese	Coal	U-1		300		Slipped	Jan-15	
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-3	30.11.09	270	270	29.01.2015	Oct-14	03.02.2015
Maharashtra	Nasik TPP Ph-I	India Bulls Realtech	BHEL	Coal	U-2	24.11.09	270		Slipped	Jul-14	
Maharashtra	Dhariwal TPP	Dhariwal Infrastructure Ltd	Chinese	Coal	U-2	28.04.10	300	300	28.05.2014	Jun-14	02.08.2014
Orissa	Derang TPP	JIPL	BHEL	Coal	U-1	26.07.09	600	600	10.05.2014	Jun-14	06.06.2014
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	L&T	Coal	U-2	16.07.10	700	700	06.07.2014	Jul-14	01.08.2014
Punjab	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-1	18.07.09	660	660	17.06.2014	May-14	01.08.2014
Punjab	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-2	18.07.09	660		Slipped	Sep-14	
WB	Haldia TPP	M/s Haldia Energy Ltd.	Chinese	Coal	U-1	14.09.11	300	300	14.01.2015	Dec-14	28.01.2015
Total Private Sector							5400	3650			
Total target during 2014-15							14988.3	10228.3			

Additional Capacity Commissioned											
State	Project Name	Impl Agency	Equip. Supplier	Fuel	Unit No	LOA date		Actual Cap .comm. (MW)	Actual Comm. Date	At the beginning of the year	COD
Gujarat	D gen CCPP	Torrent Power	Siemens Germany	gas	Block-II	02.07.2010		400	23.04.2014		
Gujarat	Dhuvaran CCPP	GSECL	Siemens Germany	gas	Unit 1			376.1	21.05.2014		
MP	Sasan UMPP	SPL	Chinese	Coal	4th Unit (Unit-1)			660	21.05.2014		27.05.2014
MP	Sasan UMPP	SPL	Chinese	Coal	Unit-5			660	24.08.2014		26.12.2014
Chhattisgarh	Akaltara TPP	KSK	Chinese	Coal	Unit-2			600	22.08.2014		26.08.2014
MP	Nigrie TPP	JPVL	L&T	Coal	Unit-1			660	29.08.2014		03.09.2014
Maharashtra	Tirora TPP Ph-II	Adani Power Maharashtra Pvt Ltd	Chinese	Coal	Unit-3	05.11.2009		660	25.09.2014		11.10.2014
TN	Mutiara TPP	Coastal Energen	Chinese	Coal	Unit-1	25.02.2009		600	02.12.2014		23.12.2014
Chhattisgarh	Tamnar TPP (Raigarh)	Jindal Power	BHEL	Coal	Unit-3			600	07.01.2015		15.01.2015
Orissa	Derang TPP	JIPL	BHEL	Coal	U-2			600	24.01.2015		12.02.2015
TN	Neyveli TPS Ph-II Exp	NLC	BHEL	Coal	U-2			250	24.01.2015		22.04.2015
WB	Haldia TPP	M/s Haldia Energy Ltd.	Chinese	Coal	U-2			300	16.02.2015		21.02.2015
MP	Nigrie TPP	JP Ventures Ltd	Non-BHEL	Coal	U-2			660	17.02.2015		21.02.2015
Chhattisgarh	Raikhera TPP	GMR	Chinese	Coal	U-1			685	27.02.2015		01.06.2015
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-4	30.11.09		270	04.03.2015		08.03.2015
AP	Simhapuri	Simhapuri Energy Pvt Ltd	Chinese	Coal	U-4			150	07.03.2015		31.03.2015
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-5	30.11.09		270	12.03.2015		13.03.2015
MP	Sasan UMPP	SPL	Chinese	Coal	Unit-6			660	19.03.2015		27.03.2015
Tripura	Agartala CCPP	NEEPCO	Thermax	gas	ST-2			25.5	22.03.2015		
Chhattisgarh	DB Power TPP	DB Power Ltd	BHEL	Coal	Unit-2			600	24.03.2015		
Chhattisgarh	Tamnar TPP (Raigarh)	Jindal Power	BHEL	Coal	Unit-4			600	26.03.2015		
Gujarat	Sikka TPP Extn	GSECL	BHEL	Coal	U-3			250	28.03.2015		14.09.2015
Tripura	Monarchak gas power project	NEEPCO	BHEL	Gas	GT			65.4	30.03.2015		
								10602			
								20830.3			

3.4 Thermal Capacity Addition Target/ Achievement for the Year 2015-16

State	Project Name	Impl Agency	Unit No	BTG Supplier	Cap. (MW)	Anti. Comm. (beginning of the year)	Now Anti. Comm.	Cap. Add (MW)	Actual Date of Comm.	COD
<u>CENTRAL SECTOR</u>										
Assam	Bongaigaon TPP	NTPC	U-1	BHEL	250	06/2015		250	22.06.15(A)	01.04.2016
Bihar	Muzafferpur	NTPC	U-4	BHEL	195	02/2016	03/2016			
Bihar	Nabi Nagar TPP	NTPC	U-1	BHEL				250	20.03.16(A)	15.01.2017
Jharkhand	Bokaro TPS "A" Exp.	DVC	U-1	BHEL				500	22.03.16(A)	23.02.2017
Maharashtra	Mouda STPP-II	NTPC	U-3	BHEL				660	28.03.16(A)	01.02.2017
MP	Vindhyachal TPP-V	NTPC	U-13	BHEL	500	12/2015		500	06.08.15(A)	30.10.2015
Tripura	Agratala STG	NEEPCO	ST-2	Thermax	25.5	05/2015	01/2016			
Tripura	Monarchak CCPP	NEEPCO	ST	BHEL	35.6	08/2015		35.6	14.01.16(A)	
TN	Tuticorin TPP	NLC	U-2	BHEL	500	07/2015		500	09.07.15(A)	29.08.2015
WB	Raghunathpur TPP, Ph-I	DVC	U-2	Chinese	600	01/2016		600	18.01.16(A)	31.03.2016
		Total Central Sector			2106.1			3295.6		
<u>STATE SECTOR</u>										
Chhattisgarh	Marwa TPP	CSPGCL	U-2	BHEL	500	09/2015	02/2016			
Gujarat	Sikka TPS	GSECL	U-4	BHEL	250	12/2015		250	25.09.15(A)	28.12.2015
Karnataka	Bellary TPS St-III	KPCL	U-3	BHEL	700	12/2015	01/2016	700	01.03.16(A)	16.09.2017
Karnataka	Yermarus TPP	KPCL	U-1	BHEL	800	01/2016	02/2016	800	29.03.16(A)	07.03.2017
Maharashtra	Chandrapur TPS	MSPGCL	U-9	BHEL	500	10/2015	02/2016	500	21.03.16(A)	24.11.2016
Maharashtra	Koradi TPS Expn.	MSPGCL	U-9	L&T	660	09/2015	02/2016	660	15.03.16(A)	22.11.2016
Maharashtra	Koradi TPS Expn.	MSPGCL	U-10	L&T	660	02/2016	05/2016			
Maharashtra	Parli TPS	MSPGCL	U-8	BHEL	250	01/2016	03/2016	250	30.03.16(A)	30.11.2016
Rajasthan	Kalisindh TPP	RVUNL	U-2	Chinese	600	05/2015		600	06.06.15(A)	25.07.2015
Telangana	Singareni TPP	Singareni Collieries Co Ltd	U-1	BHEL	600	01/2016	03/2016	600	13.03.16(A)	25.09.2016
Telangana	Kakatiya TPS Extn.	T GENCO	U-1	BHEL	600	12/2015	12/2015	600	31.12.15(A)	24.03.2016
UP	Anpara-D TPS	UPRVUNL	U- 6	BHEL	500	06/2015		500	06.06.15(A)	08.05.2016
UP	Anpara-D TPS	UPRVUNL	U- 7	BHEL	500	12/2015	02/2016	500	06.03.16(A)	18.10.2016
WB	Sagardighi TPS-Extn	West Bengal	U-3	BHEL	500	09/2015	12/2015	500	14.12.15(A)	
WB	Sagardighi TPS-Extn	West Bengal	U-4	BHEL	500	01/2016	06/2016			
		Total State Sector			8120			6460		

State	Project Name	Impl Agency	Unit No	BTG Supplier	Cap. (MW)	Anti. Comm. (beginning of the year)	Now Anti. Comm.	Cap. Add (MW)	Actual Date of Comm.	COD
<u>PRIVATE SECTOR</u>										
AP	Painampuram TPP	Thermal Power Tech Corporation Ltd	U-2	Chinese	660	08/2015		660	03.09.15(A)	15.09.2015
AP	Vizag TPP	Hinduja National Power Corp. Ltd	U-1	BHEL	520	10/2015	02/2015	520	27.12.15(A)	11.01.2016
AP	Lanco Kondapalli Extn. Ph-III (PS)	Lanco Kondapalli Power Co.Ltd	Block-I	Others				371	07.08.15(A)	
AP	Lanco Kondapalli Extn. Ph-III (PS)	Lanco Kondapalli Power Co.Ltd	Block-II	Others				371	05.09.15(A)	
AP	Vemagiri CCPP-II (PS)	GMR Rajahmundry Energy Ltd.	Block-I	Others				384	12.09.15(A)	
AP	Vemagiri CCPP-II (PS)	GMR Rajahmundry Energy Ltd.	Block-II	Others				384	05.10.15(A)	
AP	Vizag TPP	Hinduja National Power Corp. Ltd	U-2	BHEL				520	30.03.16(A)	03.07.2016
Chhattisgarh	Bandakhar TPP	M/s Maruti Clean (Chhattisgarh) Ltd.	U-1	Chinese	300	06/2015		300	19.06.15(A)	
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	U-1	Chinese	360	06/2015		360	28.10.15(A)	27.11.2015
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	U-2	Chinese				360	28.01.16(A)	12.02.2016
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	U-1	Chinese	300	06/2015		300	05.06.15(A)	11.07.2015
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	U-2	Chinese	300	09/2015	02/2016	300	24.03.16(A)	30.03.2016
Chhattisgarh	Raikheda TPP	GMR	U-2	Doosan (Non-BHEL)	685	12/2015	02/2016	685	28.03.16(A)	
Chhattisgarh	Salora	Vandana Vidyut	U-2	Chinese	135	09/2015	2016-17			
Maharashtra	Nasik TPP Ph-I	Ratan India (Nasik) Power Ltd	U-2	BHEL	270	01/2016	03/2016			
MP	Anuppur TPP Ph-I	MB Power(MP)	U-1	Chinese	600	06/2015		600	20.04.15(A)	20.05.2015
M.P	Seioni TPP Ph-I	Jhabua Power Ltd	U-1	BHEL				600	22.03.16(A)	03.05.2016
MP	Anuppur TPP Ph-I	MB Power(MP)	U-2	Chinese				600	30.03.16(A)	07.04.2016
Orissa	Ind Bharat TPP (Orissa)	Ind Barath	U-1	Chinese	350	10/2015	01/2016	350	25.02.16(A)	20.07.2016
Punjab	Talwandi Sabo TPP	Talwandi Sabo Power Ltd	U-2	Chinese	660	06/2015		660	30.10.15(A)	25.11.2015
Punjab	Talwandi Sabo TPP	Talwandi Sabo Power Ltd	U-3	Chinese	660	12/2015	03/2016	660	29.03.16(A)	25.08.2016
Punjab	Goindwal Sahib TPP	GVK Power	U-1	BHEL				270	14.02.16(A)	06.04.2016
Punjab	Goindwal Sahib TPP	GVK Power	U-2	BHEL				270	15.03.16(A)	16.04.2016
TN	ITPCL TPP	IL&FS TN PC.Ltd	U-1	Chinese				600	19.09.2015	29.09.2015
TN	Melamaruthur (Mutiarai)	Coastal Energen	U-2	Chinese				600	02.01.16(A)	15.01.2016
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-1	BHEL	660			660	26.03.16(A)	01.10.2015
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-2	BHEL		09/2015		660	08.01.16(A)	14.10.2016
UP	Prayagraj (Bara) TPP	Prayagraj power Gen. Co. Ltd(J.P.Power Ventures)	U-1	BHEL	660	10/2015		660	25.12.15(A)	29.02.2016
		Total Private Sector			7120			12705		
		Grand Total			17346.1			22460.6		

3.5 Thermal Capacity Addition Target/ Achievement for the Year 2016-17

State	Project	Unit	Imp Agency	BTG Supplier	Capacity (MW)	Anticipated Commng. Schedule	Actual date of comm.	Capacity Achieved	COD
<u>CENTRAL SECTOR</u>									
Bihar	Nabinagar TPP	U-2	NTPC	BHEL	250	12-2016			
Bihar	Kanti TPS St-II	U-4	NTPC	BHEL	195	09-2016	24.03.2017	195.0	01.07.2017
Chhattisgarh	Lara STPP	U-1	NTPC	NON BHEL	800	01-2017			
Karnataka	Kudgi TPP	U-1	NTPC	NON BHEL	800	11-2016	25.12.2016	800.0	31.07.2017
Maharashtra	Mauda STPP-II	U-4	NTPC	BHEL	660	12-2016	18.03.2017	660.0	18.09.2017
Tripura	Agartala Gas Based Power Project	ST-1	NEEPCO	NON BHEL	25.5	06-2016	23.08.2016	25.5	
		Total Central			2730.5			1680.5	
<u>STATE SECTOR</u>									
Assam	Namrup CCGT	GT	APGCL	BHEL	70	09-2016	11.01.2017	62.25	
Assam	Namrup CCGT	ST	APGCL	BHEL	30	09-2016			
Bihar	Barauni TPP,	U-8	BSEB	BHEL	250	12-2016			
Chhattisgarh	Marwa TPS	U-2	CSPGCL	BHEL	500	06-2016	15.07.2016	500.0	31.07.2016
Gujarat	Bhavnagar TPP	U-1	BECL	BHEL	250	06-2016	16.05.2016	250.0	
Gujarat	Bhavnagar TPP	U-2	BECL	BHEL	250	08-2016	27.03.2017	250.0	
Karnataka	Yermarus TPP	U-2	KPCL	BHEL	800	07-2016	29.03.2017	800.0	06.04.2017
Maharashtra	Koradi TPP	U-10	MSPGCL	NON BHEL	660	08-2016	28.12.2016	660.0	17.01.2017
Telangana	Singreni TPP	U-2	SCCL	BHEL	600	06-2016	25.11.2016	600.0	02.12.2016
West Bengal	Sagardighi TPS-II	U-4	WBPDCCL	BHEL	500	09-2016	15.12.2016	500.0	
		Total State			3910			3622.25	
<u>PRIVATE SECTOR</u>									
Andhra Pradesh	Sembcorp Gayatri Pvt.ltd.(NCC TPP)	U-1	SGPL	NON BHEL	660	09-2016	12.11.2016	660.0	17.11.2016
Andhra Pradesh	Sembcorp Gayatri Pvt.ltd.(NCC TPP)	U-2	SGPL	NON BHEL	660	12-2016	15.02.2017	660.0	21.02.2017
Chhattisgarh	Nawapara TPP	U-1	TRN	CHINESE	300	05-2016	14.08.2016	300.0	19.08.2016
Chhattisgarh	Nawapara TPP	U-2	TRN	CHINESE	300	11-2016			
Chhattisgarh	Ucchpinda TPP	U-3	RKM	CHINESE	360	07-2016			
Chhattisgarh	Binjkote TPP	U-1	SKS	NON BHEL	300	11-2016			
Chhattisgarh	Athena Singhitarai TPP	U-1	Athena Chhattisgarh	NON BHEL	600	10-2016			
Maharashtra	Nashik TPP, Ph-I	U-2	Rattan Power	BHEL	270	06-2016	15.02.2017	270.0	

Maharashtra	Nashik TPP, Ph-I	U-3	Rattan Power	BHEL	270	12-2016			
Orissa	Utkal TPP	U-2	Ind Barath	NON BHEL	350	07-2016			
Orissa	Lanco Babandh TPP	U-1	Lanco Babandh	NON BHEL	660	02-2017			
Tamilnadu	ITPCL TPP	U-2	ILFS	NON BHEL	600	05-2016	18.04.2016	600.0	30.04.2016
Uttar pradesh	Bara TPP	U-2	Jaypee	BHEL	660	07-2016	06.09.2016	660.0	10.09.2016
Uttar pradesh	Lalitpur TPP	U-3	LPGCL	BHEL	660	04-2016	01.04.2016	660.0	23.12.2016
West Bengal	Haldia TPP	U-1	India Power	BHEL	150	07-2016			
		Total Private			6800			3810.0	
		Total Thermal			13440.5			9112.75	
ADDITIONAL PROJECTS COMMISSIONED IN RFD 2016-17									
<u>CENTRAL SECTOR</u>									
Assam	Bongaigaon TPP	U-2	NTPC	BHEL			22.03.2017	250.0	01.11.2017
Karnataka	Kudgi TPP	U-2	NTPC	NON BHEL			23.03.2017	800.0	31.12.2017
Uttar Pradesh	Unchahar TPS ST-IV	U-6	NTPC	BHEL			31.03.2017	500.0	
<u>PRIVATE SECTOR</u>									
Chhattisgarh	Ratija TPP -II	U-2	Spectrum Coal&Power Ltd	Non-BHEL			10.11.2016	50.0	
Uttrakhand	GAMA CCPP	Module-1 (GT1&2+ST)	M/s GAMA Infraprop Ltd.	Others			25.04.2016	225.0	
Uttrakhand	Kashipur CCPP	Blk-I	Srawanthi Energy Pvt.Ltd	Others			20.11.2016	225.0	
Maharashtra	Mangaon CCPP	Block-I	M/s PGPL	Others			14.07.2016	388.0	
		Total Additional						2438.0	
		Total Grand Thermal Capacity			13440.5			11550.75	

4. Thermal Capacity Addition Target/ Achievement for the Year 2017-18

State	Project Name	Impl Agency	Equipment Supplier	Unit No.	Targeted Cap. (MW)	Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Comm	Capacity Achieved (MW)	COD
CENTRAL SECTOR										
Assam	Bongaigaon TPP	NTPC	BHEL	3	250	Dec-17	Apr-18			
Bihar	Nabi Nagar TPP	JV of NTPC & Rly	BHEL	2	250	Apr-17	-	03.04.2017	250.00	10.09.2017
Bihar	New Nabi Nagar TPP	JV of NTPC & BSPGCL	NON BHEL	1	660	Aug-17	Mar-18			
Chhattisgarh	Lara TPP	NTPC	NON BHEL	1	800	Oct-17	-	23.03.2018	800.00	
Karnataka	Kudgi STPP Ph-I	NTPC	NON BHEL	3	800	Aug-17	-	12.03.2018	800.00	
MP	Gadarwara STPP, St-I	NTPC	BHEL	1	800	Jan-18	Mar-18			
Maharashtra	Solapur STPP	NTPC	NON BHEL	1	660	Apr-17	-	07.04.2017	660.00	25.09.2017
UP	Meja STPP	JV of NTPC & UPRVUNL	NON BHEL	1	660	Oct-17	-	31.03.2018	660.00	
	TOTAL CENTRAL SECTOR				4880				3170.00	
STATE SECTOR										
AP	Rayal seema TPP	APGENCO	BHEL	6	600	Aug-17	-	12.03.2018	600.00	29.03.2018
Assam	Namrup	APGCL	BHEL	ST	36.15	Feb-18	Mar-18			
MP	Shree Singaji TPP, St-II	MPPGCL	NON BHEL	3	660	Dec-17	Jun-18			
Rajasthan	Suratgarh TPS	RRVUNL	BHEL	7	660	Nov-17	Feb-18			
Rajasthan	Chhabra SCTPP	RRVUNL	L&T & MHI	5	660	Apr-17	-	04.04.2017	660.00	
Rajasthan	Chhabra SCTPP	RRVUNL	L&T & MHI	6	660	Jan-18	Feb-18			
Telangana	Bhadradi TPP	TGENCO	BHEL	1	270	Mar-18	May-19			
	TOTAL STATE SECTOR				3546.15				1260.00	
PRIVATE SECTOR										
Chhattisgarh	Akaltara (Naiyara) TPP	KSK Mahandi Power Company Ltd	CHINESE	3	600	Nov-17	-	18.01.2018	600.00	28.02.2018
Chhattisgarh	Binjkote TPP	SKS Power Generation (Chhattisgarh) Ltd	CHINESE	1	300	May-17	-	25.04.2017	300.00	
Chhattisgarh	Nawapara TPP	TRN Energy	CHINESE	2	300	May-17	-	18.04.2017	300.00	01.05.2017
Chhattisgarh	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.	CHINESE	3	660	Nov-17	Mar-18			
Maharashtra	Nasik TPP Ph-I	RattanIndia Nasik Power Ltd	BHEL	3	270	May-17	-	14.04.2017	270.00	
UP	Bara TPP	Prayagraj Power Generation Co.Ltd.	BHEL	3	660	Aug-17	-	22.05.2017	660.00	26.05.2017
WB	India Power TPP (Haldia)	Indian Energy Ltd (Haldia)	BHEL	1	150	Apr-17	-	07.06.2017	150.00	
	TOTAL PRIVATE SECTOR				2940				2280.00	

ADDITIONAL PROJECTS COMMISSIONED										
State	Project Name	Impl Agency	Equipment Supplier	Unit No.	Targeted Cap. (MW)	Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Comm	Capacity Achieved (MW)	COD
PRIVATE SECTOR										
Maharashtra	Nasik TPP Ph-I	RattanIndia Nasik Power Ltd	BHEL	4				19.05.2017	270.00	
Maharashtra	Nasik TPP Ph-I	RattanIndia Nasik Power Ltd	BHEL	5				30.05.2017	270.00	
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt.Ltd.	Chinese	3				12.09.2017	360.00	
Maharashtra	Shirpur TPP	Shirpur Power Pvt. Ltd.	BHEL	1				28.09.2017	150.00	
WB	India Power TPP (Haldia)	Indian Energy Ltd (Haldia)	BHEL	2				31.12.2017*	150.00	
Bihar	Barauni Ext.	BSEB	BHEL	8				11.01.2018	250.00	
Chhattisgarh	Binjote TPP	SKS Power Generation (Chhattisgarh) Ltd	CHINESE	2				28.03.2018	300.00	
Bihar	Barauni Ext.	BSEB	BHEL	9				31.03.2018	250.00	
	TOTAL ADDITIONAL PRIVATE SECTOR								2000.00	
	TOTAL THERMAL CAPACITY				11366.15				8710.00	

5. Thermal Capacity Addition Target/ Achievement for the Year 2018-19

State	Project Name	Impl Agency	Equipment Supplier	Unit No.	Targeted Cap. (MW)	Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Comm	Capacity Achieved (MW)	COD
CENTRAL SECTOR										
Assam	Bongaigaon TPP	NTPC	BHEL	3	250	Sept - 18	-	26.03.2019	250	
Bihar	Nabi Nagar TPP	JV of NTPC & Rly	BHEL	3	250	Dec - 18	-	26.02.2019	250	
Bihar	New Nabi Nagar TPP	NTPC	Alstom-Bharat Forge	1	660	Jan - 19	Jun - 19			
MP	Gadarwara TPP	NTPC	BHEL	1	800	Nov - 18		29.03.2019	800	
Odisha	Darlipalli STPP	NTPC		1	800	Mar - 19	Sept - 19			
	Total Central Sector				2760				1300	
STATE SECTOR										
Assam	Namrup CCGT	APGCL	BHEL	ST	36.15	Feb - 19	Sept - 19			
MP	Shri Singhaji TPP St-II	MPPGCL	L&T	3	660	Sept - 18	-	18.11.2018	660	
MP	Shri Singhaji TPP St-II	MPPGCL	L&T	4	660	Feb - 19	-	27.03.2019	660	
Odisha	Ib valley TPP	OPGC	BHEL	3	660	Mar - 19	Jun - 19			
Rajasthan	Chhabra TPP Extn	RRVUNL	L&T	6	660	Dec - 18	-	29.03.2019	660	
Rajasthan	Suratgarh SCTPP	RRVUNL	BHEL	7	660	Dec - 18	Aug - 19			
Karnataka	Yelahanka CCPP	KPCL	BHEL	GT+ST	370	Oct - 18	Aug - 19			
Telangana	Kothagudem TPS St-VII	TSGENCO	BHEL	1	800	Dec - 18	-	26.12.2019	800	
	Total State Sector				4506.15				2780	
PRIVATE SECTOR					0				0	
	TOTAL THERMAL CAPACITY ADDITION				7266.15				4080	

<u>ADDITIONAL PROJECTS</u>										
State	Project Name	Impl Agency	Equipment Supplier	Unit No.	Targeted Cap. (MW)	Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Comm	Capacity Achieved (MW)	COD
<i>CENTRAL SECTOR</i>										
Maharashtra	Solapur STPP	NTPC	BGR	2				29.03.2019	660	
	Total Central Sector								660	
	<i>STATE SECTOR</i>									
Assam	Lakwa Replacement Power Project.	APGCL	Others	1 to 7				26.04.2018	69.755	
	Total State Sector								69.755	
	<i>PRIVATE SECTOR</i>									
MP	Mahan TPP	ESSAR	Chinees	2				07.10.2018	600	
Chhattisgarh	Uchpinda TPP	R K M POWERGEN	Chinees	4				20.03.2019	360	
WB	Dishergarh TPS	IPCL	Others					27.03.2019	12	
	Total Private Sector								972	
	Total Additional Capacity								1701.755	
	TOTAL GRAND THERMAL CAPACITY ADDITION				7266.15				5781.755	
	Reamrks: Lakwa Replacement Power Project (69.755 MW) had achieved COD on 26.04.18 but the intimation regarding COD was received in Oct'18.									
	Mahan TPP (600MW) was a stressed project.									

6. Details of Under Construction Thermal Power Projects in country

S. No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Ant. COD	Exp. In crores.	Till Date
CENTRAL SECTOR										
1.	Bihar	Barh STPP-I /NTPC/Others	Mar-05	U-1	660	May-17	Apr-20	Jun-20	16576.34	Oct-19
			Mar-05	U-2	660	Nov-17	Oct-20	Dec-20		
			Mar-05	U-3	660	May-18	Apr-21	Aug-21		
2.	Bihar	Nabi Nagar TPP / JV of NTPC & Rlys/BHEL	Jan-08	U-4	250	Nov-13	May-20	Jun-20	7861.51	Aug-19
3.	Bihar	New Nabi Nagar TPP /JV of NTPC & BSPGCL TG-Alstom & Bharat Forge, SG-BHEL	Jan-13	U-2	660	Jul-17	-	Feb-20	13716.26	Aug-19
			Jan-13	U-3	660	Jan-18	-	Aug-20		
4.	Bihar	Buxar TPP	Jun-19	U-1	660	Jul-23	Jul-23		780.04	Sep-19
			Jun-19	U-2	660	Jan-24	Jan-24			
5.	Chhatisgarh	Lara STPP/NTPC / SG-Dooson TG-BGR Hitachi	Dec-12	U-2	800	May-17	Feb-20	Mar-20	12607.28	Oct-19
6.	Jharkhand	North Karanpura STPP/ NTPC / BHEL	Feb-14	U-1	660	Feb-18	May-20	Sep-20	9568.76	Oct-19
			Feb-14	U-2	660	Aug-18	Nov-20	Mar-21		
			Feb-14	U-3	660	Feb-19	May-21	Sep-21		
7.	MP	Gadarwara STPP/ NTPC /BTG-BHEL	Mar-13	U-2	800	Sep-17	Dec-19	Mar-20	12292.03	Oct-19
8.	MP	Khargone STPP/ NTPC/ EPC - L&T	Mar-15	U-2	660	Sep-19	Feb-20	Mar-20	8776.03	Oct-19
9.	Odisha	Darlipalli STPP/ NTPC / SG- BHEL TG-JSW & Toshiba	Feb-14	U-2	800	Jun-18	Jul-20	Sept-20	9869.68	Oct-19
10.	Rajasthan	Barsingar TPP ext/NLC/Reliance Infra	Nov-16	U-1	250	May-20	Aug-20	Aug-20	159.58	Dec-19
11.	Rajasthan	Bithnok TPP /NLC/Reliance Infra	Nov-16	U-1	250	May-20	Aug-20	Aug-20	174.66	Dec-19
12.	Telangana	Telangana STPP St- I / NTPC/SG- BHEL TG- Alstom & Bharatforge	Feb-16	U-1	800	Jan-20	Jul-20	Aug-20	5647.81	Oct-19
			Feb-16	U-2	800	Jul-20	Jan-21	Jun-20		
13.	TN	Neyveli New TPP/ NLC/BHEL	Dec-13	U-2	500	Mar-18	Feb-20	Mar-20	5995.99	Sept-19
14.	UP	Meja STPP/ JV of NTPC & UPRVUNL/ SG-BGR TG-Toshiba	Apr-12	U-2	660	Dec-16	Mar-20	Jun-20	9980	Oct-19
15.	UP	Ghatampur TPP/ JV of NLC & UPRVUNL/ MHPS Boiler Pvt. Ltd.	Aug-16	U-1	660	Apr-20	Sep-20	Nov-20	7483.21	Nov-19
			Aug-16	U-2	660	Oct-20	Mar-21	May-21		
			Aug-16	U-3	660	Oct-20	Sep-21	Nov-21		

S. No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Ant. COD	Exp. In crores.	Till Date
16.	UP	Tanda TPP St II/ NTPC /SG: L&T/ TG: Alstom	Sep-14	U-6	660	Feb-20	May-20	Jun-20	6571.40	Oct-19
17.	UP	Khurja SCTPP	Mar-19	U-1	660	Mar-23	Apr-23		521.82	Sep-19
			Mar-19	U-2	660	Sep-23	Sep-23			
18.	Jharkand	Patratu STPP / JV of NTPC & Jharkhand Bidyut Vitran Nigam Ltd.	Mar-18	U-1	800	Jan-22			2078.5	Oct-19
			Mar-18	U-2	800	Sep-22				
			Mar-18	U-3	800	Dec-22				
19.	Odisha	Rourkela PP-II Expansion/NTPC-Sail Power Co Ltd (NSPCL) (JV of NTPC & SAIL)/BHEL	May-16	U-1	250	Dec-18	Feb-20	Apr-20	1414	Sept-19
	TOTAL CENTRAL SECTOR				19780					
STATE SECTOR										
1.	A.P	Dr.Narla Tata Rao TPS St-V / APGENCO / BTG-BHEL	Oct-15	U-1	800	Jun-19	Jun-20	Jul-20	4639.42	Sept-19
2.	A.P	Sri Damodaran Sanjeevaiah TPP St-II / APGENCO /BTG- BHEL	Nov-15	U-1	800	Mar-19	May-20	Jun-20	5768	Nov-19
3.	Assam	Namrup CCGT / APGCL / BHEL	Feb-09	ST	36.15	Jan-12	Mar-20	2019-20	581.48	Jun-19
4.	Karnataka	Yelahanka CCPP BY KPCL	Nov-15	GT+ST	370	Mar-18	Feb-20		1570.20	Nov-19
5.	Maharashtra	Bhusawal TPS/MAHAGENCO	Jan-18	U-6	660	Mar-22				
6.	Rajasthan	Suratgarh SCTPP/ RRVUNL / BHEL	May-13	U-7	660	Sep-16	30.03.19	Jan-20	9287.88	Nov-19
			May-13	U-8	660	Dec-16	Jun-20	Jul-20		
7.	Telangana	Bhadradri TPP / TSGENCO/ BHEL	Mar-15	U-1	270	Mar-17	Jan-20	Jan-20	6080.67	07.12.19
			Mar-15	U-2	270	May-17	Feb-20	Mar-20		
			Mar-15	U-3	270	Jul-17	Jun-20	Jun-20		
			Mar-15	U-4	270	Sep-17	Dec-20	Dec-20		
8.	TN	Ennore exp. SCTPP (Lanco) / TANGEDCO BTG-LANCO	May-14	U-1	660	Jan-18	Sep-19		791.4	Dec-17
9.	TN	Ennore SCTPP / TANGEDCO/ BHEL	Sep-14	U-1	660	Jan-18	Jul-21	Aug-21	3555.68	May-19

S. No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Ant. COD	Exp. In crores.	Till Date
			Sep-14	U-2	660	Mar-18	Oct-21	Nov-21		
10.	TN	North Chennai TPP St-III TANGEDCO / BHEL	Jan-16	U-1	800	Mar-19	May-20	Jun-20	4830.80	Nov-19
11.	TN	Udangudi STPP Stage I/ TANGEDCO, EPC-BHEL	Dec-17	U-1	660	Feb-21	Feb-21	Mar-21	778.97	Oct-19
				U-2	660	Feb-21	Apr-21	May-21		
12.	TN	Uppur Super Critical TPP TANGEDCO /BHEL	Feb-16	U-1	800	Mar-19	Apr-20	Sep-20	2549.31	Oct-19
			Feb-16	U-2	800	Oct-19	Oct-20	Feb-21		
13.	UP	Harduaganj TPS Exp-II / UPRVUNL/ Toshiba JSW	Sep-15	U-1	660	Jun-19	Jun-20	Sept-20	2855.27	Sept-19
14.	Telangana	Yadadri TPS/TSGENCO/BHEL	Oct-17	U-1	800	Oct-20	Sep-20	Oct-20	5861.88	Nov-19
				U-2	800	Oct-20	Sep-20	Oct-20		
				U-3	800	Oct-21	May-21	Jun-21		
				U-4	800	Oct-21	May-21	Jun-21		
				U-5	800	Oct-21	Sep-21	Oct-21		
15.	UP	Jawaharpur STPP/ UPRVUNL/ Doosan	Dec-16	U-1	660	Sep-20	Sept-21	Dec-21	2650	Nov-19
			Dec-16	U-2	660	Jan-21	Feb-22	Jun-22		
16.	UP	Panki TPS Extn./ URVUNL	Mar-18	U-1	660	Dec-21	Dec-21	Jan-22	16	Apr-18
17.	UP	Obra-C STPP/ UPRVUNL/ Doosan	Dec-16	U-1	660	Sep-20	Apr-21	Jun-21	2782.48	Nov-19
			Dec-16	U-2	660	Dec-20	Jul-21	Nov-21		
Total State Sector					18726.15					
PRIVATE SECTOR										
1.	AP	Bhavanapadu TPP Ph-I / East Coast Energy Ltd. BTG-Chinese	Sep-09	U-1	660	Oct-13	Uncertain*	Uncertain*	3785.6	Jan-16
			Sep-09	U-2	660	Mar-14	Uncertain*	Uncertain*		
2.	AP	Thamminapatnam TPP stage -II / Meenakshi Energy Pvt. Ltd. SG-Cether vessels TG-Chinese	Dec-09	U-3	350	May-12	15.04.18	Dec-19	5414.4	Feb-19
			Dec-09	U-4	350	Aug-12	Oct-19	Dec-19		
3.	Bihar	Siriya TPP (Jas Infra. TPP) / JICPL BTG-Chinese	Mar-11	U-1	660	Aug-14	Uncertain*	Uncertain*	NA	
			Mar-11	U-2	660	Dec-14	Uncertain*	Uncertain*		
			Mar-11	U-3	660	Apr-15	Uncertain*	Uncertain*		
			Mar-11	U-4	660	Aug-15	Uncertain*	Uncertain*		

S. No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Ant. COD	Exp. In crores.	Till Date
4.	Chhattisgarh	Akaltara TPP (Naiyara) / KSK Mahandi Power Company Ltd./ Chinese	Apr-09	U-4	600	Apr-13	Stress	Stressed	18730.00	Dec-16
			Apr-09	U-5	600	Aug-13	Uncertain	Uncertain		
			Apr-09	U-6	600	Dec-13	Uncertain	Uncertain		
5.	Chhattisgarh	Binjkote TPP/ SKS Power Generation (Chhattisgarh) Ltd. SG-Cethar Vessels TG-Harbin China	Mar-11	U-3	300	Mar-14	Uncertain	Uncertain	3828	Jun-15
			Mar-11	U-4	300	Jun-14	Uncertain	Uncertain		
6.	Chhattisgarh	Lanco Amarkantak TPP-II/ LAP Pvt. Ltd. BTG-DEC	Nov-09	U-3	660	Jan-12	Uncertain	Uncertain	9537.79	Dec-16
			Nov-09	U-4	660	Mar-12	Uncertain	Uncertain		
7.	Chhattisgarh	Singhitarai TPP / Athena Chhattisgarh Power Ltd. BTG -DECL	Dec-09	U-1	600	Nov-14	Uncertain	Uncertain	6408.47	May-17
			Dec-09	U-2	600	Feb-15	Uncertain	Uncertain		
8.	Chhattisgarh	Salora TPP / Vandana Vidyut/ BTG-Cether Vessles	Sep-09	U-2	135	Sep-11	Uncertain*	Uncertain*	2386.89	Mar-15
9.	Chhattisgarh	Deveri (Visa) TPP / Visa Power Ltd. BTG-BHEL	Jun-10	U-1	600	Aug-13	Uncertain*	Uncertain*	2077.23	Nov-15
10.	Jharkhand	Matrishri Usha TPP Ph-I / Corporate Power Ltd. EPC-BHEL	Dec-09	U-1	270	Apr-12	Uncertain*	Uncertain*	3120	Nov-12
			Dec-09	U-2	270	May-12	Uncertain*	Uncertain*		
11.	Jharkhand	Matrishri Usha TPP Ph-II / Corporate Power Ltd. EPC-BHEL	Mar-11	U-3	270	Oct-12	Uncertain*	Uncertain*	2207	Sep-12
			Mar-11	U-4	270	Jan-13	Uncertain*	Uncertain*		
12.	Jharkhand	Tori TPP Ph-I / Essar Power Ltd. BTG-China	Aug-08	U-1	600	Jul-12	Uncertain*	Uncertain*	4757.92	Jun-17
			Aug-08	U-2	600	Sep-12	Uncertain*	Uncertain*		
13.	Jharkhand	Tori TPP Ph-II / Essar Power Ltd.		U-3	600	Dec-15	Uncertain*	Uncertain*	246.65	Mar-15
14.	Maharashtra	Amravati TPP Ph-II / Ratan India Power Pvt. Ltd. BTG-BHEL	Oct-10	U-1	270	Jul-14	Uncertain*	Uncertain*	763.8	Mar-15
			Oct-10	U-2	270	Sep-14	Uncertain*	Uncertain*		
			Oct-10	U-3	270	Nov-14	Uncertain*	Uncertain*		
			Oct-10	U-4	270	Jan-15	Uncertain*	Uncertain*		
			Oct-10	U-5	270	Mar-15	Uncertain*	Uncertain*		
15.	Maharashtra	Lanco Vidarbha TPP / LVP Pvt. Ltd. EPC-LANCO	Nov-09	U-1	660	Jul-14	Uncertain*	Uncertain*	5338	Apr-17
			Nov-09	U-2	660	Nov-14	Uncertain*	Uncertain*		
16.	Maharashtra	Nasik TPP Ph-II / Ratan India Nasik Power Pvt. Ltd. BTG-BHEL	Nov-09	U-1	270	Apr-13	Uncertain	Uncertain	711.81	Mar-15
			Nov-09	U-2	270	Jun-13	Uncertain	Uncertain		

S. No.	State	Project Name / Impl. Agency/ EPC or BTG	LOA Date/	Unit No	Cap. (MW)	Org. Comm. Sched.	Ant. Comm. Sched.	Ant. COD	Exp. In crores.	Till Date
			Nov-09	U-3	270	Aug-13	Uncertain	Uncertain		
			Nov-09	U-4	270	Oct-13	Uncertain	Uncertain		
			Nov-09	U-5	270	Dec-13	Uncertain	Uncertain		
17.	Maharashtra	Bijora Ghanmukh TPP / Jinbhuvish Power Generation Pvt. Ltd. / BTG-Chinese	Sep-11	U-1	300	Dec-16	Uncertain	Uncertain	422.27	Mar-15
			Sep-11	U-2	300	Mar-17	Uncertain	Uncertain		
18.	Maharashtra	Shirpur TPP, Shirpur Power Pvt. Ltd.-BHEL	Nov-11	U-2	150	Apr-15	Uncertain	Uncertain	2277.94	Apr-17
19.	MP	Gorgi TPP / D.B. Power (MP) Ltd. BTG-BHEL	Mar-11	U-1	660	Jun-13	Uncertain	Uncertain	475.79	Sep-15
20.	Odisha	Ind Barath TPP (Odisha) / Ind Barath /BTG-Cethar Vessels	May-09	U-2	350	Dec-11	Uncertain	Uncertain	4254	Apr-17
21.	Odisha	KVK Nilanchal TPP/ KVK Nilanchal / BTG-Harbin China	Nov-09	U-1	350	Dec-11	Uncertain*	Uncertain*	1708.36	Mar-15
			Nov-09	U-2	350	Feb-12	Uncertain*	Uncertain*		
			Nov-09	U-3	350	Feb-12	Uncertain*	Uncertain*		
22.	Odisha	Lanco Babandh TPP / LBP Ltd./ BTG-Chinese	Nov-09	U-1	660	Apr-13	Uncertain*	Uncertain*	7615	Mar-17
			Nov-09	U-2	660	Aug-13	Uncertain*	Uncertain*		
23.	Odisha	Malibrahmani TPP / MPCL/ BTG-BHEL	Jun-10	U-1	525	Dec-12	Uncertain*	Uncertain*	5329.75	Dec-14
			Jun-10	U-2	525	Feb-13	Uncertain*	Uncertain*		
24.	TN	Tuticorin TPP (Ind- Barath) / IBPIL / BTG-Chinese	May-10	U-1	660	May-12	Uncertain*	Uncertain*	2000	May-15
25.	TN	Tuticorin TPP St-IV / SEPC/ EPC-MEIL (BTG-BHEL)	Jan-14	U-1	525	Sep-18	Apr-20	Apr-20	2436.53	Nov-19
26.	WB	Hiranmaye Energy Ltd (India Power corporation (Haldia) TPP / Haldia Energy Ltd/ BTG-BHEL.	Sep-10	U-3	150	May-16	Uncertain*	Uncertain*	3263.05	Oct-17
	Total Private Sector				23730					
	Grand Total				62236.15					

* Presently work at site is on hold.

7. Thermal Power Projects visited during Third Quarter (October – December) of 2019-20

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

Sl. No.	Name of Project with capacity	State
1.	Wanakbori TPP Extension (1 x 800 MW)	Gujarat
2.	Lara STPP (2 x 800 MW)	Chhattisgarh
3.	Darlipali STPP (2 x 800 MW)	Odisha
4.	Barh (3 x 660 MW)	Bihar
5.	Suratgarh STPP (2 x 660 MW)	Rajasthan

8. Details of Super Critical Units Commissioned in the country as on 31st December, 2019

State	Project Name	Impl Agency/ Make	Unit No	Cap. MW	Actual Comm. Date	BHEL	L&T	Chinese	Russia	Others	Doosan Power System India.
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 (Mahatma Gandhi TPP)	CLP Power India Pvt. Ltd Boiler: Harbin, China & TG:M/s DEC,	U-1	660	12.01.12			660			

State	Project Name	Impl Agency/ Make	Unit No	Cap. MW	Actual Comm. Date	BHEL	L&T	Chinese	Russia	Others	Doosan Power System India.
		China									
		Total Private Sector		4760		0	0	3960	0	800	0
	Grand Total in 11th Plan Commissioned			6080		0	0	3960	1320	800	0
Commissioned during 12th Plan (Targeted)											
CENTRAL SECTOR											
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 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 Statel 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 UMTTP	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-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					
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	28.03.16		660				
Maharashtra	Koradi TPS Expn.	MSPGCL	U-10	660	28.12.16		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 UMTTP	Tata Power Co.	U-3	800	16.10.12					800	
Gujarat	Mundra UMTTP	Tata Power Co.	U-4	800	16.01.13					800	
Gujarat	Mundra UMTTP	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

Super critical Units Commissioned during the year 2017-18											
State	Project Name	Impl Agency/ Make	Unit No	Cap. MW	Actual Comm. Date	BHEL	L&T	Chinese	Russia	Others	Doosan Power System India.
Central Sector											
Maharashtra	Solapur STPP	NTPC	U-1	660	07.04.2017					660	
Karnataka	Kudgi STPP Ph-I	NTPC	U-3	800	12.03.2018	0	0	0	0	800	0
Uttar Pradesh	Meja STPP	JV of NTPC & UPRVUNL	U-1	660	31.03.2018	0	0	0	0	660	0
Chhattisgarh	Lara TPP	NTPC	U-1	800	23.03.2018	0	0	0	0	800	0
	Total Central Sector			2920		0	0	0	0	2920	0
State Sector											
Rajasthan	Chhabra SCTPP	RRVUNL	U-5	660	04.04.2017	0	660	0	0	0	0
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	0	0	0	0	0
	Total Private Sector			660		660	0	0	0	0	0
	Total Commissioned till date			4240		660	660	0	0	2920	0
Super critical Units Commissioned during the year 2018-19											
State	Project Name	Impl Agency/ Make	Unit No	Cap. MW	Actual Date of Cap. Add.	BHEL	L&T	Chinese	Russia	Others	Doosan Power System India.
Central Sector											
MP	Gadarwara TPP	NTPC	U-1	800	29.03.2019	800	0	0	0		0
Maharashtra	Solapur STPP	NTPC	U-2	660	29.03.2019	0	0	0	0	660	0
	Total Central Sector			1460		0	0	0	0	1460	0
State Sector											
MP	Shri Singhaji TPP St-II	MPPGCL	U-3	660	18.11.2018	0	660	0	0		0
MP	Shri Singhaji TPP St-II	MPPGCL	U-4	660	27.03.2019	0	660	0	0		0
Rajasthan	Chhabra TPP Extn	RRVUNL	U-6	660	29.03.2019	0	660	0	0		0
Telangana	Kothagudem TPS St-VII	TSGENCO	U-1	800	26.12.2018	800					
Total State Sector				2780		800	0	0	0	1980	0
Private Sector											
	Total Private Sector			0		0	0	0	0	0	0
	Total Commissioned till date			4240		2400	1980	0	0	4100	0

Super critical Units Commissioned during the year 2019-20 up to 31 st December, 2019											
State	Project Name	Impl Agency/ Make	Unit No	Cap. MW	Actual Date of Cap. Add.	BHEL	L&T	Chinese	Russia	Others	Doosan Power System India.
Central Sector											
Bihar	Nabi Nagar STPP	NTPC	1	660	12.07.2019	660	0	0	0	0	0
M.P.	Khargone STPP St-I	NTPC	1	660	29.09.2019	0	660	0	0	0	0
U.P.	Tanda TPP St-II	NTPC	5	660	28.09.2019	0	660	0	0	0	0
Odisha	Darlipali STPP	NTPC	1	800	30.12.2019					800	
	Total Central Sector			2780		660	1320	0	0	800	0
State Sector											
Odisha	Ib Valley TPP	OPGC	3	660	01.07.2019	660	0	0	0	0	0
Odisha	Ib Valley TPP	OPGC	4	660	17.08.2019	660	0	0	0	0	0
Gujarat	Wanakbori TPP Ext.	GSECL	8	800	12.10.2019	800					
	Total Central Sector			2120		2120	0	0	0	0	0

9.

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		

Sl. No.		Year	Capacity Addition (MW)	Target (MW)	% Achievement
		Total :	2007.9	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 :	6148.73	7845	78.38
29		1979-80	1216.87	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 :	10605.84	14898	71.19
	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		

Sl. No.		Year	Capacity Addition (MW)	Target (MW)	% Achievement
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
	Annual Plan (2017-18)				
		2017-18	8710	11366.15	76.63
	Annual Plan (2018-19)				
		2018-19	5781.76	7266.15	79.57
	Annual Plan (2019-20) (upto 31.12.2019)				
		2019-20	5445	10296.15	52.88

10. 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
Annual Plan (2017-18)	8710	237208
Annual Plan (2018-19)	5781.76	242990

