



देश में कार्यान्वित तापीय विद्युत परियोजनाओं की प्रगति का पुनरावलोकन
Review of Progress of Under Construction Thermal Power Projects in the Country



185^{वाँ} त्रैमासिक पुनरावलोकन (अक्टूबर-दिसंबर, 2023)

185th *QUARTERLY REVIEW*
(October – December, 2023)

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(In fulfillment of CEA's obligation under section 73(f) of Electricity Act, 2003)

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

FOREWORD

Central Electricity Authority (CEA) has been bringing out Quarterly Review of the progress of works on various under construction Thermal Power Projects in the country. The present Quarterly Review, 185th in the series (for the period October, 2023 – December, 2023) gives the details of Thermal Power Projects commissioned during 12th Plan and onwards. This review also provides up-to-date information in respect of Thermal Power Projects under construction and that of Thermal Power Projects targeted/ commissioned during the FY 2023-24.

The Quarterly Review has been brought out by CEA on the basis of data received from various power project authorities, visits made by 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 issues.

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

(Chief Engineer)
TPM Division, CEA

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1.0 Executive Summary

1.1 Units Commissioned during the Current Quarter (October – December, 2023):

S. No	Project Name	Implementing Agency	State	Boiler & Turbine Make	Unit No	Capacity (MW)	Trial Run anticipated at the Beginning of the year	Trial Run Assessment as per latest review by CEA	Capacity Achieved (MW)	Actual Date of Capacity Addition
STATE SECTOR										
1	Dr. Narla Tata Rao TPS St-V	APGENCO	Andhra Pradesh	SG-BHEL TG-BHEL	U-8	800	Jun-2023	Dec-2023	800	20-12-2023
PRIVATE SECTOR										
Additional Capacity										
2	Shirpur Thermal Power Plant	M/s Jindal Power Ltd.	Maharashtra	SG-BHEL TG-BHEL	U-2	150	-	-	150	22-11-2023

1.2 Thermal Power Projects (Under construction) visited during the current Quarter (October – December, 2023) of FY 2023-24:

No site visits could be undertaken.

1.3 Thermal Capacity Addition Target/Achievement for FY 2023-24:

(As on 31.12.2023)

S. No.	Project Name	Implementing Agency	State	Boiler (SG) & Turbine(TG) Make	Unit No	Targeted Capacity (MW)	Trial Run Anticipated (as on 01-04-2023)	Trial Run Assessment as per Latest Review by CEA	Capacity Achieved (MW)	Actual Date of Capacity Addition	Latest Revised Cost of the Unit (Cr.)
CENTRAL SECTOR											
1	Barh STPP, St-I	NTPC	Bihar	SG-TPE/DPSI TG-Power Machines	U-2	660	Apr-2023	Jun-2023	660	30.06.2023	7284
2	Telangana STPP, St- I	NTPC	Telangana	SG-BHEL TG-GE	U-1	800	Jun-2023	Sep-2023	800	05.09.2023	7000
					U-2	800	Jul-2023	Jan-2024			7000
3	North Karanpura STPP	NTPC	Jharkhand	SG-BHEL (EPC) TG-BHEL (EPC)	U-2	660	Nov-2023	Jan-2024			5414
4	Buxar TPP	SJVN	Bihar	SG-L&T (EPC) TG-L&T (EPC)	U-1	660	Dec-2023	Jun-2024			5220
					U-2	660	Mar-2024	Sep-2024			5220
5	Ghatampur TPP	NUPPL	Uttar Pradesh	SG-L&T-MHI TG-GE	U-1	660	Jul-2023	Mar-2024			6469
					U-2	660	Oct-2023	May-2024			6469
					U-3	660	Dec-2023	Aug-2024			6469
6	Khurja SCTPP	THDC	Uttar Pradesh	SG-L&T-MHI TG-BHEL	U-1	660	Feb-2024	Jun-2024			5545
Total Central Sector						(10) 6880	(10) 6880	(5) 3580	(2) 1460		
STATE SECTOR											

7	Dr. NarlaTata Rao TPS, St-V	APGENCO	Andhra Pradesh	SG-BHEL TG-BHEL	U-8	800	Jun-2023	Dec-2023	800	20.12.2023	9016
8	Jawaharpur STPP	UPRVUNL	Uttar Pradesh	SG-DPSI (EPC) TG-DPSI (EPC)	U-1	660	Jun-2023	Jan-2024			6160
					U-2	660	Dec-2023	Apr-2024			6160
9	Obra-C STPP	UPRVUNL	Uttar Pradesh	SG-DPSI (EPC) TG-DPSI (EPC)	U-1	660	Jun-2023	Jan-2024			5853
					U-2	660	Jan-2024	Jun-2024			5853
10	Panki TPS Extn.	UPRVUNL	Uttar Pradesh	SG-BHEL (EPC) TG-BHEL (EPC)	U-1	660	Jan-2024	Sep-2024			6729
11	North Chennai TPP, St-III	TANGEDCO	Tamil Nadu	SG-BHEL TG-BHEL	U-1	800	Sep-2023	Mar-2024			8723
12	Udangudi STPP, St-I	TANGEDCO	Tamil Nadu	SG-BHEL (EPC) TG-BHEL (EPC)	U-1	660	Mar-2024	Sep-2024			6538
13	Yadadri TPS	TSGENCO	Telangana	SG-BHEL (EPC) TG-BHEL (EPC)	U-1	800	Dec-2023	Dec-2024			6909
					U-2	800	Dec-2023	Dec-2024			6909
14	Bhusawal TPS	MAHAGENCO	Maharashtra	SG-BHEL (EPC) TG-BHEL (EPC)	U-6	660	Jul-2023	Mar-2024			4551
			Total State Sector			(11) 7820	(11) 7820	(5) 3580	(1) 800		
			Total Targeted Capacity			(21) 14700*	(21) 14700*	(10) 7160	(3) 2260		
Additional capacity added during F Y 2023-24											
1)	Kashipur CCPP, Ph-II, M/s Sravanthi Energy Pvt Ltd. (SEPL), Uttarakhand, GT-GE, ST-HTC, China								214 &	13.06.2023	1547
2)	Shirpur Thermal Power Plant U-2, M/s Jindal Power Ltd., Maharashtra, SG-BHEL, TG-BHEL								150 ^	22.11.2023	1207
Total Additional Capacity									(2) 364		
Grand Total Capacity (Achieved)									(5) 2624		

& Kashipur CCPP, Ph-II (214 MW) commissioned on 13-06-2023. This is additional capacity addition beyond the targeted capacity of 14700 MW during FY 2023-24.

^ Shirpur Thermal Power Plant U-2 (150 MW) commissioned on 22-11-2023. This is additional capacity addition beyond the targeted capacity of 14700 MW during FY 2023-24.

* Yelahanka CCPP, KPCL (370 MW) has not been included in this capacity. The project has been constructed and its commissioning is pending due to issue of gas availability (Anticipated in Feb.-2024)

1.4 Summary of Thermal Units under construction (As on 31-12-2023) :

Sector	Super Critical #		Sub-Critical		Total	
	No. of Projects [Units]	Capacity (MW)	No. of Projects [Units]	Capacity (MW)	No. of Projects [Units]	Capacity (MW)
Central	9 [18]	12,720	0	0	9 [18]	12,720
State	11 [20]	14,320	1 [1]	370	12 [21]	14,690
Private	1 [2]	1600	0	0	1 [2]	1,600
Total	21 [40]	28,640	1 [1]	370	22 [41]	29,010 @

Out of the 21 Supercritical TPPs, 8 projects (16 units) of total capacity 11680 MW are based on Ultra Super critical technology.

[5 projects (10 units) in Central sector of capacity 7440 MW]

[2 projects (4 units) in State sector of capacity 2640 MW] and

[1 project (2 Units) in Private sector of capacity 1600 MW].

@ This Capacity includes capacity of 3 hold on projects i.e. Uppur TPS (2x800 MW) & Ennore SCTPP Exp. (1x660 MW) of TANGEDCO and Yelahanka CCPP, 370 MW of KPCL.

2.0 Details of Super-critical & Ultra Super-critical Thermal Units Commissioned in the country:

(As on 31.12.2023)

A: Details of Super Critical Thermal Units Commissioned Year wise(FY) -

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
Commissioned during the year 2023-24					
CENTRAL SECTOR					
Bihar	Barh STPP St-I	NTPC	U-2	660	30.06.2023
Total Central Sector				660	
STATE SECTOR					
Andhra Pradesh	Dr. Narla Tata Rao TPS St-V	APGENCO	U-8	800	20.12.2023
Total State Sector				800	
Total Commissioned in 2023-24				1460	
Commissioned during the year 2022-23					
CENTRAL SECTOR					
Jharkhand	North Karanpura STPP	NTPC	U-1	660	18.01.2023
Total Central Sector				660	
STATE SECTOR					
Andhra Pradesh	Sri Damodaram Sanjeevaiah TPP St-II	APPDCL	U-1	800	09.03.2023
Total State Sector				800	
Total Private Sector				0	
Total Commissioned in 2022-23				1460	
Commissioned during the year 2021-22					
CENTRAL SECTOR					
Odisha	Darlipali STPP	NTPC	U-2	800	21.07.2021
Bihar	Barh STPP-I	NTPC	U-1	660	30.10.2021
Bihar	Nabi Nagar STPP	NPGCL	U-3	660	06.03.2022
Total Central Sector				2120	
STATE SECTOR					
Rajasthan	Suratgarh SCTPP	RRVUNL	U-8	660	06.10.2021

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
U.P.	Harduaganj TPS Exp-II	UPRVUNL	U-1	660	29.01.2022
Total State Sector				1320	
Total Private Sector				0	
Total Commissioned in 2021-22				3440	
Commissioned during the year 2020-21					
CENTRAL SECTOR					
Chhattisgarh	Lara STPP	NTPC	U-2	800	12.07.2020
MP	Gadarwara STPP	NTPC	U-2	800	16.02.2021
UP	Meja STPP	JV of NTPC and UP	U-2	660	12.01.2021
UP	Tanda TPP, St- II	NTPC	U-6	660	31.03.2021
Bihar	Nabi Nagar STPP	NPGCL	U-2	660	31.03.2021
Total Central Sector				3580	
Total State Sector				0	
Total Private Sector				0	
Total Commissioned in 2020-21				3580	
Commissioned during the year 2019-20					
CENTRAL SECTOR					
Bihar	Nabi Nagar STPP	NTPC	U-1	660	12.07.2019
U.P.	Tanda TPP, St-II	NTPC	U-5	660	28.09.2019
Odisha	Darlipali STPP	NTPC	U-1	800	30.12.2019
Total Central Sector				2120	
STATE SECTOR					
Odisha	Ib Valley TPP	OPGC	U-3	660	01.07.2019
Odisha	Ib Valley TPP	OPGC	U-4	660	17.08.2019
Gujarat	Wanakbori TPP Ext.	GSECL	U-8	800	12.10.2019
Rajasthan	Suratgarh SCTPP	RRVUNL	U-7	660	15.03.2020
Total State Sector				2780	
Total Private Sector				0	
Total Commissioned in 2019-20				4900	
Commissioned during the year 2018-19					
CENTRAL SECTOR					
MP	Gadarwara TPP	NTPC	U-1	800	29.03.2019

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
Maharashtra	Solapur STPP	NTPC	U-2	660	29.03.2019
Total Central Sector				1460	
STATE SECTOR					
MP	Shri Singhaji TPP, St-II	MPPGCL	U-3	660	18.11.2018
MP	Shri Singhaji TPP, St-II	MPPGCL	U-4	660	27.03.2019
Rajasthan	Chhabra TPP Extn	RRVUNL	U-6	660	29.03.2019
Telangana	Kothagudem TPS, St-VII	TSGENCO	U-1	800	26.12.2018
Total State Sector				2780	
Total Private Sector				0	
Total Commissioned in 2018-19				4240	
Commissioned during the year 2017-18					
CENTRAL SECTOR					
Maharashtra	Solapur STPP	NTPC	U-1	660	07.04.2017
Karnataka	Kudgi STPP, Ph-I	NTPC	U-3	800	12.03.2018
Uttar Pradesh	Meja STPP	JV of NTPC & UPRVUNL	U-1	660	31.03.2018
Chhattisgarh	Lara TPP	NTPC	U-1	800	23.03.2018
Total Central Sector				2920	
STATE SECTOR					
Rajasthan	Chhabra SCTPP	RRVUNL	U-5	660	04.04.2017
Total State Sector				660	
PRIVATE SECTOR					
UP	Paryagraj(Bara) TPP	Prayagraj Power Gen Co. Ltd	U-3	660	22.05.2017
Total Private Sector				660	
Total Commissioned in 2017-18				4240	
Commissioned during 12th Plan (Targeted)					
CENTRAL SECTOR					
Chhattisgarh	Sipat-I	NTPC	U-3	660	02.06.2012
Bihar	Barh -II	NTPC	U-4	660	30.11. 2013
Bihar	Barh -II	NTPC	U-5	660	04.03. 2015
Total Central Sector				1980	
STATE SECTOR					
AP	Damodaram Sanjeevaiah TPS,St-I	APPDL	U-1	800	28.08. 2014

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
AP	Damodaram Sanjeevaiah TPS,St-I	APPDL	U-2	800	17.03. 2015
Maharashtra	Koradi TPS Expn.	MSPGCL	U-8	660	30.03. 2015
Total State Sector				2260	
PRIVATE SECTOR					
AP	Painampuram TPP	Thermal Power Tech Corp. Ltd	U-1	660	07.02. 2015
AP	Painampuram TPP	Thermal Power Tech Corp. Ltd	U-2	660	05.09. 2015
AP	NCC TPP	NCC Power Projects Ltd	U-1	660	12.11. 2016
AP	NCC TPP	NCC Power Projects Ltd	U-2	660	15.02. 2017
Gujarat	Mundra UMTTP	Tata Power Co.	U-2	800	25.07. 2012
Haryana	Jhajjar TPP (Mahatama Gandhi TPP)	CLP Power India Pvt. Ltd	U-2	660	11.04. 2012
Maharashtra	Tirora TPP Ph-I	Adani Power Ltd	U-1	660	11.09. 2012
Maharashtra	Tirora TPP Ph-I	Adani Power Ltd	U-2	660	25.03. 2013
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-1	660	10.06. 2013
MP	Sasan UMPP	Reliance Power Ltd.	U-3	660	30.05. 2013
MP	Sasan UMPP	Reliance Power Ltd.	U-2	660	18.12. 2013
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	U-1	700	24.01. 2014
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	U-2	700	06.07. 2014
Punjab	Talwandi Sabo TPP	M/s Sterlite	U-1	660	17.06. 2014
Punjab	Talwandi Sabo TPP	M/s Sterlite	U-2	660	30.10. 2015
Punjab	Talwandi Sabo TPP	M/s Sterlite	U-3	660	29.03. 2016
U.P	Prayagraj (Bara) TPP	Prayagraj Power Gen. Co.Ltd (J.P.Power Ventures)	U-1	660	25.12. 2015
			U-2	660	06.09. 2016
Total Private Sector				12100	
Total 12th Plan Target Commissioned				16340	
Additional Units Commissioned in 12th Plan (Not included in the 12th Plan Target)-					
CENTRAL SECTOR					
Karnataka	Kudgi STPP Ph-I	NTPC	U-1	800	25.12.2016
Karnataka	Kudgi STPP Ph-I	NTPC	U-2	800	23.03.2017
Maharashtra	Mouda STPP -II	NTPC	U-3	660	28.03.2016
Maharashtra	Mouda STPP-II	NTPC	U-2	660	18.03.2017
Total Central Sector				2920	
STATE SECTOR					

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
Karnataka	Bellary TPS- St-III	KPCL	U-3	700	01.03.2016
Karnataka	Yermaus TPP	KPCL	U-1	800	29.03.2016
Karnataka	Yermaus TPP	KPCL	U-2	800	29.03.2017
Maharashtra	Koradi TPS Expn.	MSPGCL	U-9	660	28.03.2016
Maharashtra	Koradi TPS Expn.	MSPGCL	U-10	660	28.12.2016
Total State Sector				3620	
PRIVATE SECTOR					
Chhattisgarh	Raikheda TPP	GMR Chhattisgarh Energy Ltd.	U-1	685	27.02.2015
Chhattisgarh	Raikheda TPP	GMR Chhattisgarh Energy Ltd.	U-2	685	28.03.2016
Gujarat	Mundra UMTTP	Tata Power Co.	U-3	800	16.10. 2012
Gujarat	Mundra UMTTP	Tata Power Co.	U-4	800	16.01. 2013
Gujarat	Mundra UMTTP	Tata Power Co.	U-5	800	18.03. 2013
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-2	660	23.03. 2014
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-3	660	25.09. 2014
Rajasthan	Kawai TPP	Adani Power Ltd.	U-1	660	28.05. 2013
Rajasthan	Kawai TPP	Adani Power Ltd.	U-2	660	24.12. 2013
MP	Sasan UMPP	Reliance Power Ltd.	U-4	660	25.03. 2014
MP	Sasan UMPP	Reliance Power Ltd.	U-1	660	21.05. 2014
MP	Sasan UMPP	Reliance Power Ltd.	U-5	660	24.08. 2014
MP	Sasan UMPP	Reliance Power Ltd.	U-6	660	19.03. 2015
MP	Nigri TPP	Jaiprakash Power ventures Ltd	U-1	660	29.08. 2014
MP	Nigri TPP	Jaiprakash Power ventures Ltd	U-2	660	17.02. 2015
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-2	660	08.01. 2016
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-1	660	26.03. 2016
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-3	660	01.04. 2016
Total Private Sector				12350	
Total Additional Commissioned in 12th Plan				18890	
Grand Total 12th Plan Commissioned				35230	
Commissioned during 11th Plan					
CENTRAL SECTOR					
Chhattisgarh	Sipat-I	NTPC	U-1	660	28.06.2011
Chhattisgarh	Sipat-I	NTPC	U-2	660	24.12.2011

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
Total Central Sector				1320	
PRIVATE SECTOR					
Gujarat	Mundra TPP Ph-II	Adani Power Ltd	U-1	660	26.12.2010
Gujarat	Mundra TPP Ph-II	Adani Power Ltd	U-2	660	20.07.2011
Gujarat	Mundra TPP Ph-III	Adani Power Ltd	U-1	660	07.11.2011
Gujarat	Mundra TPP Ph-III	Adani Power Ltd	U-2	660	03.03. 2012
Gujarat	Mundra TPP Ph-III	Adani Power Ltd	U-3	660	09.03. 2012
Gujarat	Mundra UMTTP	Tata Power Co.	U-1	800	25.02.2012
Haryana	Jhajjar TPP (Mahatama Gandhi TPP)	CLP Power India Pvt. Ltd	U-1	660	12.01.2012
Total Private Sector				4760	
Total Commissioned in 11th Plan				6080	
Total Super-Critical Commissioned				64,630 MW (93 units)	

B: Details of Ultra Super Critical Thermal Units Commissioned Year wise(FY) -

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity addition
Commissioned during the year 2023-24					
CENTRAL SECTOR					
Telangana	Telangana STPP St-I	NTPC	U-1	800	05.09.2023
Total Central Sector				800	
Commissioned during the year 2019-20					
CENTRAL SECTOR					
MP	Khargone STPP St-I	NTPC	U-1	660	29.09.2019
MP	Khargone STPP St-I	NTPC	U-2	660	24.03.2020
Total Central Sector				1320	
TOTAL ULTRA SUPER-CRITICAL COMMISSIONED				2,120 MW (3 units)	
TOTAL SUPER-CRITICAL & ULTRA SUPER-CRITICAL COMMISSIONED				66750 MW (96 units)	

3.0 Thermal Capacity Addition (MW) beyond 12th Plan

Sector	FY 2017 - 18		FY 2018-19		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
Central	4880	3670	2760	1960	6040	3940	5790	4080.00	5400	2370	3580	660	6880	1460
State	3546.15	1260	4506.15	2849.755	4256.15	2780	4276.15	846.15	4360	1590	2770	800	7820	800
Private	2940	3780	0	972	0	45	525	0	525	525	0	0	0	364
Total	11366.15	8710	7266.15	5781.755	10296.15	6765	10591.15	4926.15	10285	4485	6350	1460	14700	2624

3.1 Thermal Capacity Addition Target / Achievement for the FY 2022-23:

S.No.	Project Name	State	District	Implementing Agency	Equipment (BTG) Supplier	Unit No.	Capacity (MW)	Original Commissioning Schedule	Anticipated Trial Run		Capacity achieved (MW)	Date of Capacity addition	Latest Revised Cost of the Unit (Cr.)
									at the beginning of Year	as per latest review			
CENTRAL SECTOR													
1	Barh STPP-I	Bihar	Patna	NTPC	Boiler:TPE/ DPSI, TG: Power Machine, Russia	U-2	660	Dec-10	Dec-22	Apr-23			7104
2	North Karanpura STPP	Jharkhand	Chatra	NTPC	BTG: BHEL	U-1	660	Jun-18	May-22	-	660	18.01.2023	5414
3	Ghatampur TPP	Uttar Pradesh	Kanpur Nagar	NUPPL	Boiler : L&T-MHI, TG : GE	U-1	660	May-20	Dec-22	Jul-23			6469
4	Telangana STPP St- I	Telangana	Peddapalli	NTPC	Boiler :BHEL, TG: GE	U-1	800	May-20	Aug-22	Apr-23			5499
						U-2	800	Nov-20	Feb-23	Jun-23			5499
Total Central Sector							3580				660		
STATE SECTOR													
5	Dr. Narla Tata Rao TPS, St-V	Andhra Pradesh	Krishna	APGENCO	BTG: BHEL	U-1	800	Apr-19	Jul-22	Jun-23			7587
6	North Chennai TPP, St-III	Tamil Nadu	Thiruvallur	TANGEDCO	BTG: BHEL	U-1	800	Apr-19	Oct-22	Sep-23			8723
7	Yelahanka CCPP	Karnataka	Bengaluru	KPCL	EPC: BHEL	GT+ST	370	Feb-18	Sep-22	Jun-23			2315
8	Sri Damodaram SanjeevaiahTPP St-II	Andhra Pradesh	SPSR Nellore	APPDCL	EPC: BHEL	U-1	800	Jun-19	Apr-22	-	800	09.03.2023	8751
Total State Sector							2770				800		
PRIVATE SECTOR													
NIL													
Total Private Sector							0				0		
Total Thermal Capacity Addition Target							6350				1460		

3.2 Thermal Capacity Addition Target / Achievement for the FY 2021-22:

S.No.	Project Name	State	District	Implementing Agency	Equipment (BTG) Supplier	Unit No.	Capacity (MW)	Original Commissioning Schedule	Anticipated Trial Run		Capacity achieved (MW)	Date of Capacity addition	Latest Revised Cost of the Unit (Cr.)
									at the beginning of Year	as per latest review			
CENTRAL SECTOR													
1	Barh STPP-I	Bihar	Patna	NTPC	Boiler: DPSI TG: Power Machine Russia	U-1	660	Aug'09	Jul'21	-	660	30.10.2021	7104
2	Darlipalli STPP	Odisha	Sundergarh	NTPC	SG : BHEL, TG : Toshiba	U-2	800	Jun'18	Aug'21	-	800	21.07.2021	6870
3	Nabi Nagar TPP	Bihar	Aurangabad	BRBCL (JV of NTPC & Railways)	BHEL	U-4	250	Nov'13	Aug'21	-	250	10.11.2021	2642
4	Rourkela TPP-II Expansion	Odisha	Sundergarh	NSPCL (JV of NTPC & SAIL)	BHEL	U-1	250	Dec'18	Sep'21	*			1892
5	Nabi Nagar STPP	Bihar	Aurangabad	NPGCL (JV of NTPC & BSPGCL)	SG : BHEL, TG : Alstom	U-3	660	Jan'18	Oct'21	-	660	06.03.2022	6471
6	North Karanpura STPP	Jharkhand	Chatra	NTPC	BHEL	U-1	660	Feb'18	Oct'21	Jun'22			5414
7	Ghatampur TPP	U.P.	Kanpur	NUPPL (JV of NLC & UPRVUNL)	SG : MHPS Boilers Pvt. Ltd., TG : Alstom -Bharat Forge	U-1	660	Apr'20	Mar'22	Dec'22			6469
8	Telangana STPP St-I	Telangana	Karim Nagar	NTPC	SG : BHEL, TG : Alstom-Bharat Forge	U-1	800	Jan'20	Mar'22	Aug'22			5499
9	Barh STPP-I	Bihar	Patna	NTPC	Boiler: DPSI TG: Power Machine Russia	U-2	660	Aug'09	Mar'22	Dec'22			7104
Total Central Sector							5400				2370		
STATE SECTOR													
1	Suratgarh SCTPP	Rajasthan	Sri Ganga Nagar	RRVUNL	SG : Alstom, TG : Siemens	U-8	660	Dec'16	Jun'21	-	660	06.10.2021	5676
2	Bhadradri TPP	Telangana	Bhadradari-Kothagudem	TSGENCO	BHEL	U-4	270	Sep'17	Sep'21	-	270	09.01.2022	2629
3	Harduaganj TPS Exp-II	U.P.	Aligarh	UPRVUNL	SG : Doosan, TG : Toshiba-JSW	U-1	660	Jun'19	Jul'21	-	660	29.01.2022	6012
4	Sri Damodaran Sanjeevaiah TPP St-II	A. P.	Nellore	APGENCO	BHEL	U-1	800	Mar'19	Jul'21	May'22			8751
5	North Chennai TPP St-III	Tamil Nadu	Thiruvallur	TANGEDCO	SG : Alstom, TG : Siemens	U-1	800	Mar'19	Dec'21	Oct'22			8723
6	Yelahanka CCPP	Karnataka	Bangalore	KPCL	BHEL	GT+ST	370	Mar'18	Sep'21	Aug'22			2315
7	Dr.Narla Tata Rao TPP St-V	A. P.	Vijayawada	APGENCO	BHEL	U-1	800	Jun'19	Oct'21	Jul'22			7587
Total State Sector							4360				1590		
PRIVATE SECTOR													
1	Tuticorin TPP St-IV	TamilNadu	Thoothukudi	SEPC	BHEL	U-1	525	Sep'18	May'21	-	525	30.11.2021	3778
Total Private Sector							525				525		
Total Thermal Capacity Addition Target							10285				4485		

*Rourkela TPP-II Expansion is a captive power project and is not to be added in Capacity addition, hence as such not being monitored by CEA. However, as per the information received from developer, the trial run of this unit has been completed on 29.03.2022.

3.3 Thermal Capacity Addition Target/ Achievement for the Year 2020-21 :

State	Project Name	Implementing Agency	Equipment (BTG) Supplier	LOA Date	Unit No.	Fuel	Targeted Cap. (MW)	Org. COD Sched.	Ant. Trial Run/ COD at the Beginning of the year	Achieved Cap. (MW)	Actual/ Ant. Date of Capacity Addition
CENTRAL SECTOR											
Chhattisgarh	Lara STPP	NTPC	SG-Doosan, TG-BGR Hitachi	Dec-12	U-2	Coal	800	May-17	Aug – 20	800	12.07.2020(A)
M.P.	Gadarwara STPP	NTPC	BHEL	Mar-13	U-2	Coal	800	Sep-17	Sep – 20	800	16.02.2021(A)
U.P.	Meja STPP	MUNPL (JV of NTPC & UPRVUNL)	SG-BGR Energy, TG-Toshiba	Apr-12	U-2	Coal	660	Feb-17	Oct – 20	660	12.01.2021(A)
Tamil Nadu	Neyveli New TPP	NLC	BHEL	Jun-11	U-2	Lignite	500	Sep-18	Oct-20	500	03.02.2021(A)
Odisha	Darlipalli STPP St-I	NTPC	SG-BHEL, TG-Toshiba,	Feb-14	U-2	Coal	800	Nov-17	Nov – 20	-	Slipped due to Covid pandemic.
Bihar	Barh STPP Stage - I	NTPC	Russian	Mar-05	U-1	Coal	660	Aug-09	Nov – 20	-	Slipped due to Covid pandemic.
U.P.	Tanda TPP St- II	NTPC	SG-L&T TG- Alstom	Sep-14	U-6	Coal	660	Sep-17	Dec – 20	660	31.03.2021(A)
Bihar	Nabi Nagar STPP	NPGCPL (JV of NTPC & BSPGCL)	SG-BHEL, TG-Alstom	Jan-13	U-2	Coal	660	Jan-17	Jan – 21	660	31.03.2021(A)
Bihar	Nabi Nagar TPP	BRBCL (JV of NTPC & Railway)	BHEL	Jan-08	U-4	Coal	250	Apr-12	Feb – 21	-	Slipped due to Covid pandemic.
	Total Central Sector						5790			4080	
STATE SECTOR											
Assam	Namrup CCGT	APGCL	BHEL	Feb-09	ST	Gas	36.15	Jan-12	Jun-20	36.15	17.05.2020(A)
Telangana	Bhadradi TPP	TSGENCO	BHEL	Mar-15	U-1	Coal	270	Mar-17	Jun-20	270	05.06.2020(A)
Telangana	Bhadradi TPP	TSGENCO	BHEL	Mar-15	U-2	Coal	270	May-17	Aug-20	270	07.12.2020(A)
Karnataka	Yelahanka CCGP	KPCL	BHEL	Nov-15	GT+ST	Gas	370	Mar-18	Nov-20	-	Slipped due to Fire accident & Covid pandemic
A.P.	Dr.Narla Tata Rao TPS Stage-V	APGENCO	BHEL	Oct-15	U-8	Coal	800	Jul-19	Nov-20	-	Slipped due to Covid pandemic.
A.P.	Sri Damodaran TPS Stage II	APPDCL	BHEL	Nov-15	U-8	Coal	800	Jun-19	Dec-20	-	Slipped due to Covid pandemic.
Rajasthan	Suratgarh SCTPP	RRVUNL	SG-Alstom, TGSiemens	Mar-13	U-7	Coal	660	Jul-16	Dec-20	-	Slipped due to Covid pandemic.
Tamil Nadu	North Chennai TPS	TANGEDCO	SG-Alstom, TGSiemens	Jan-16	U-1	Coal	800	Jul-18	Dec-20	-	Slipped due to Covid pandemic.
Telangana	Bhadradi TPP	TSGENCO	BHEL	Mar-15	U-3	Coal	270	Jul-17	Dec-20	270	26.03.2021(A)
	Total Sector Sector						4276.15			846.15	
PRIVATE SECTOR											
Tamil Nadu	Tuticorin TPP Stage IV	SEPC Power P. Ltd	BHEL	Jan-14	U-1	Coal	525	Oct - 18	Jan - 21	-	Slipped due to Covid pandemic
	Total Private Sector						525			0	
TOTAL THERMAL CAPACITY ADDITION (2020-21)							10591.15			4926.15	

3.4 Thermal Capacity Addition Target/ Achievement for the Year 2019-20 :

State	Project Name	Implementing Agency	Equipment Supplier	Unit No.	Targeted Cap. (MW)	Anti. Comm Date at beginning of year	Anti. Comm Date (At present)	Actual Date of Capacity addition	Capacity Achieved (MW)	COD
CENTRAL SECTOR										
Bihar	New Nabi Nagar TPP	JV of NTPC & BSPGCL	NON BHEL	1	660	May-19	-	12.07.2019	660.00	
Chhatisgarh	Lara STPP	NTPC	BHEL	2	800	Dec-19	Slipped	--	---	
MP	Gadarwara STPP, St-I	NTPC	BHEL	2	800	Dec-19	Slipped	---	---	
MP	Khargone STPP	NTPC	BHEL	1	660	Aug-19		29.09.2019	660.00	
MP	Khargone STPP	NTPC	BHEL	2	660	Feb-20		24.03.2020	660.00	
Odisha	Darlipali STPP	NTPC	BHEL	1	800	Aug-19		30.12.2019	800.00	
U.P.	Tanda TPP Stage - II	NTPC	L&T & MHI	1	660	Sep-19		28.09.2020	660.00	
Tamil Nadu	Neyveli New TPP	NLC	BHEL	1	500	Apr-19		21.12.2019	500.00	
Tamil Nadu	Neyveli New TPP	NLC	BHEL	2	500	Oct-19	Slipped	--	---	
TOTAL CENTRAL SECTOR					6040				3940.00	
STATE SECTOR										
Andhra Pradesh	Dr.Narla Tata Rao TPS Stage-V	APGENCO	BHEL	8	800	Feb – 20	Slipped	--	---	
Assam	Namrup CCGT	APGCL	BHEL	ST	36.15	Nov-19	Slipped	---	---	
Gujarat	Wanakbori TPS Extn.	GSECL	BHEL		800	Nov-19		12.10.2019	800.00	
Karnataka	Yelahanka CCPP	KPCL	BHEL	GT+ST	370	Nov - 19	Slipped	---	----	
Odisha	Ib valley TPP	OPGC	BHEL	3	660	Apr – 19		01.07.2019	660.00	
Odisha	Ib valley TPP	OPGC	BHEL	4	660	Jul - 19		17.08.2019	660.00	
Rajasthan	Suratgarh SCTPP	RRVUNL	L&T & MHI	7	660	Nov -19		15.03.2020	660.00	
Telangana	Bhadradi TPP	TGENCO	BHEL	1	270	Jan - 20	Slipped	---	-----	
TOTAL STATE SECTOR					4256.15				2780.00	
ADDITIONAL PROJECTS COMMISSIONED										
Private Sector										
MP	Niwari TPP	BLA Power Ltd	Chinese	2				06.06.20219	45.00	
TOTAL ADDITIONAL PRIVATE SECTOR									45.00	
TOTAL THERMAL CAPACITY IN 2019-20					10296.15				6765.00	

3.5 Thermal Capacity Addition Target/ Achievement for the Year 2018-19 :

State	Project Name	Implementing 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	
ADDITIONAL PROJECTS										
CENTRAL SECTOR										
Maharashtra	Solapur STPP	NTPC	BGR	2	-	-	-	29.03.2019	660	-
Total Central Sector									660	
STATE SECTOR										
Assam	Lakwa Replacement Power Project.	APGCL	Others	1 to 7	-	-	-	26.04.2018	69.76	-
Total State Sector									69.76	
PRIVATE SECTOR										
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									1701.76	
TOTAL THERMAL CAPACITY ADDITION IN 2018-19					7266.15				5781.76	
Remarks: 1. Lakwa Replacement Power Project (69.755 MW) had achieved COD on 26.04.18 but the intimation regarding COD was received in Oct'18. 2. Mahan TPP (600MW) was a stressed project.										

3.6 Thermal Capacity Addition Target/ Achievement for the Year 2017-18:

State	Project Name	Implementing 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	Royal 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 IN 2017-18										
State	Project Name	Implementing 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										
Bihar	Barauni Ext.	BSEB	BHEL	8	-	-	-	11.01.2018	250.00	-
Bihar	Barauni Ext.	BSEB	BHEL	9	-	-	-	31.03.2018	250.00	-
ADDITIONAL CENTRAL SECTOR									500.00	
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	-
Chhattisgarh	Binjkote TPP	SKS Power Generation (Chhattisgarh) Ltd	CHINESE	2	-	-	-	28.03.2018	300.00	-
ADDITIONAL PRIVATE SECTOR									1500.00	
GROSS CENTRAL SECTOR									3670.00	
GROSS PRIVATE SECTOR									3780.0	
Grand Total for the year 2017-18					11366.15				8710.00	

4.0 Capacity Addition During the 12th Plan

4.1 Original Targeted Capacity Addition Programme (Thermal/Hydro/Nuclear) during 12th Plan (MW) -

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	14877.6	6004	5300	26181.6
STATE	13922	1608	0	15530
PRIVATE	43540	3285	0	46825
TOTAL	72339.6	10897	5300	88536.6

4.2 Actual Capacity Addition (Thermal) vs Revised Targeted Capacity (Thermal) during 12th Plan -

Year	Revised Targeted Capacity (MW)	Actual Achievement (MW)	% Achievement
2012-13	15154.3	20121.8	132.78 %
2013-14	15234.3	16767	110.06 %
2014-15	14988.3	20830.3	138.98 %
2015-16	17346.1	22460.6	129.49 %
2016-17	13440.5	11550.75	85.94 %
Total	76163.5	91730.45	120.44 %

4.3 Actual Achievement Capacity Addition (Thermal/Hydro/Nuclear) during 12th Plan (MW) -

Year	Central Sector				State Sector			Private Sector			Total			Grand Total
	Thermal	Hydro	Nuclear	Total	Thermal	Hydro	Total	Thermal	Hydro	Total	Thermal	Hydro	Nuclear	
2012-13	5023.3	374	-	5397.3	3911	66	3977	11187.5	70	11257.5	20121.8	510	-	20631.8
2013-14	1660	914	-	2574	3322	45	3367	11785	99	11884	16767	1058	-	17825
2014-15	2659.2	736.01	1000	4395.21	4886.1	0	4886.1	13285	0	13285	20830.3	736.01	1000	22566.31
2015-16	3295.6	480	-	3775.6	6460	610	7070	12705	426	13131	22460.6	1516	-	23976.6
2016-17	3230.5	80	1000	4310.5	3622.25	1555	5177.25	4698	24	4722	11550.75	1659	1000	14209.75
Total	15868.6	2584.01	2000	20452.6	22201.35	2276	24477.35	53660.5	619	54279.5	91730.45	5479.01	2000	99209.46

4.4 Year Wise Details of Thermal Capacity Addition in the Country during 12th Plan and Beyond :

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

State	Project Name	Implementing 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	Jun-06	BHEL	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			
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
State	Project Name	Implementing 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)	
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			

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

State	Project Name	Implementing 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 CCGP	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,CHIINA	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
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

State	Project Name	Implementing 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.	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 the year 2013-14						15234.3	9861			
Additional Capacity Commissioned										
State Sector-										
Tripura	Rokhia GT	Tripura State Electricity Corporation Ltd.)	9	-	BHEL	-	21	31/08/2013	-	-
West Bengal	Durgapur TPS Extn	DPL	8	-	BHEL	-	250	31.03.2014	-	-
Additional Capacity - State Sector							271			
Private Sector -										
Rajasthan	Kawai TPP	Adani Power Rajasthan Ltd.	1	04/10	Chinese	-	660	28/05/2013	-	31.05.2013
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
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
Additional Capacity - Private Sector							6635			
Total Additional Capacity							6906			
Gross Total - State Sector							3322			
Gross Total - Private Sector							11785			
Gross Total for the Year 2013-14							16767			

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

State	Project Name	Implementing 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 TG:09/2008	800	800	28.08.2014	Jun-14	05.02.2015
					U-2		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			
	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 Infrastucture 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	Implementing 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-											
TN	Neyveli TPS Ph-II Exp	NLC	BHEL	Coal	U-2		-	250	24.01.2015	-	22.04.2015
Tripura	Agartala CCPP	NEEPCO	Thermax	gas	ST-2		-	25.5	22.03.2015	-	-
Tripura	Monarchak gas power project	NEEPCO	BHEL	Gas	GT		-	65.4	30.03.2015	-	-
Additional Capacity - Central Sector								340.9			
State Sector-											
Gujarat	Dhuvaran CCPP	GSECL	Siemens Germany	gas	Unit 1		-	376.1	21.05.2014	-	-
Gujarat	Sikka TPP Extn	GSECL	BHEL	Coal	U-3		-	250	28.03.2015	-	14.09.2015
Additional Capacity - State Sector								626.1			
Private Sector-											
Gujarat	D gen CCPP	Torrent Power	Siemens Germany	gas	Block-II	02.07.2010	-	400	23.04.2014	-	-
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
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	Raikhara 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
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	-	-
Additional Capacity - Private Sector								9635			
Total Additional Capacity								10602			
Gross Capacity - Central Sector								2659.2			
Gross Capacity -State Sector								4886.1			
Gross Capacity - Private Sector								13285			
Gross Capacity for the year 2014-15								20830.3			

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

State	Project Name	Implementing 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		
<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

State	Project Name	Implementing Agency	Unit No	BTG Supplier	Cap. (MW)	Anti. Comm. (beginning of the year)	Now Anti. Comm.	Cap. Add (MW)	Actual Date of Comm.	COD
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 (Mutlara)	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		
Total for the year 2015-16					17346.1			22460.6		

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

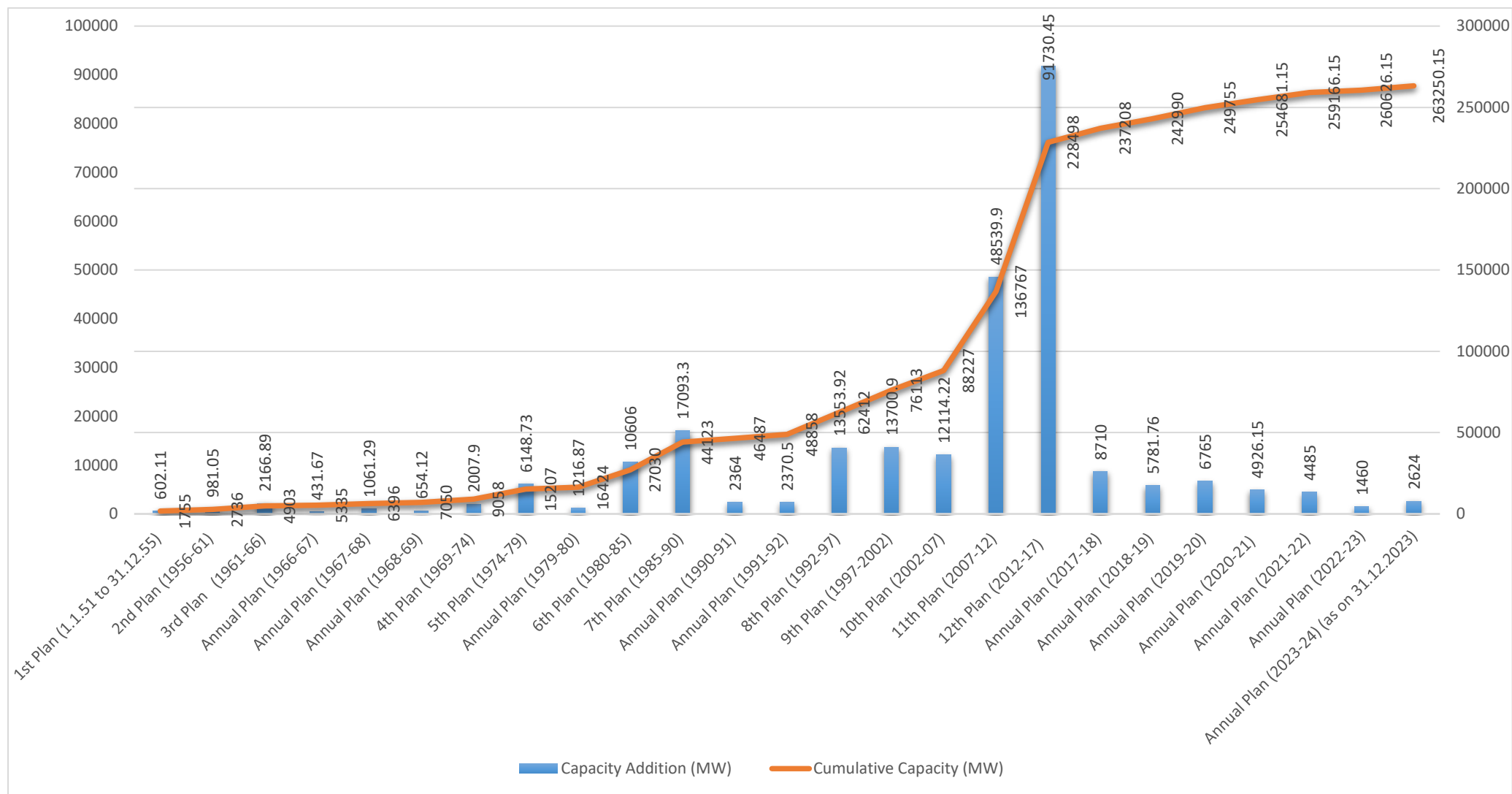
State	Project	Unit	Implementing Agency	BTG Supplier	Capacity (MW)	Anticipated Commng. Schedule	Actual date of comm.	Capacity Achieved	COD
CENTRAL SECTOR									
Bihar	Nabinagar TPP	U-2	NTPC	BHEL	250	12-2016	-	-	-
Bihar	Kanti TPS St-II	U-4	NTPC	BHEL	195	09-2016	24.03.2017	195.0	01.07.2017
Chhattisgarh	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 Sector					2730.5			1680.5	
STATE SECTOR									
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	WBPCL	BHEL	500	09-2016	15.12.2016	500.0	-
Total State Sector					3910			3622.25	
PRIVATE SECTOR									
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	-	-	-

State	Project	Unit	Implementing Agency	BTG Supplier	Capacity (MW)	Anticipated Commng. Schedule	Actual date of comm.	Capacity Achieved	COD
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	LPGL	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 Sector					6800			3810.0	
Total Thermal for the year 2016-17					13440.5			9112.75	
ADDITIONAL PROJECTS COMMISSIONED IN 2016-17									
CENTRAL SECTOR									
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	-
Additional Capacity - Central Sector								1550.0	
PRIVATE SECTOR									
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	-
Additional capacity - Private Sector								888.0	
Total Additional Capacity								2438.0	
Gross Capacity - Central Sector								3230.5	
Gross Capacity - State Sector								3622.25	
Gross Capacity - Private Sector								4698.0	
Grand Total for the year 2016-17					13440.5			11550.75	

5.0 Thermal Generating Capacity in the Country since inception of 1st Five Year Plan:

Plan/ Duration	Capacity Addition (MW)	Cumulative Capacity (MW)
1st Plan (1.1.51 to 31.12.55)	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	27030
7th Plan (1985-90)	17093.3	44123
Annual Plan (1990-91)	2364	46487
Annual Plan (1991-92)	2370.5	48858
8th Plan (1992-97)	13553.92	62412
9th Plan (1997-2002)	13700.9	76113
10th Plan (2002-07)	12114.22	88227
11th Plan (2007-12)	48539.9	136767
12th Plan (2012-17)	91730.45	228498
Annual Plan (2017-18)	8710	237208
Annual Plan (2018-19)	5781.76	242990
Annual Plan (2019-20)	6765	249755
Annual Plan (2020-21)	4926.15	254681.15
Annual Plan (2021-22)	4485	259166.15
Annual Plan (2022-23)	1460	260626.15
Annual Plan (2023-24) (as on 31.12.2023)	2624	263250.15

6.0 Bar Chart representing Plan / Year wise Growth of Thermal Capacity in the country (Till 31.12.2023) -



7.0 Plan/ Year wise Thermal Capacity Targets / Achievements in the Country:

Sl. No.	Year	Capacity Addition (MW)	Target (MW)	% Achievement
1st Five Year Plan (1.1.1951 to 31.12.1955)				
1	1951	107.02	-	-
2	1952	86.33	-	-
3	1953	227.43	-	-
4	1954	126.64	-	-
5	1955	54.69	-	-
	Total :	602.11	-	-
2nd Five Year Plan (1.1.1956 to 31.03.1961)				
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 :	981.05	-	-
3rd Five Year Plan (1.4.1961 to 31.03.1966)				
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 :	2166.89	-	-
Annual Plans (1966-67, 1967-68, 1968-69)				
16	1966-67	431.67	-	-
17	1967-68	1061.29	-	-
18	1968-69	654.12	-	-

	Total :	2147.08	-	-
4th Five Year Plan (1.4.1969 to 31.03.1974)				
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 :	2007.9	5746	34.94
5th Five Year Plan (1.4.1974 to 31.03.1979)				
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	Annual Plan (1979-80)	1216.87	2265	53.72
6th Five Year Plan (1.4.1980 to 31.03.1985)				
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 (1.4.1985 to 31.03.1990)				
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, 1991-92)				
40	1990-91	2364	3962	59.67
41	1991-92	2370.5	4512	52.54
8th Five Year Plan (1.4.1992 to 31.03.1997)				
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 (1.4.1997 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 (1.4.2002 to 31.03.2007)				
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 (1.4.2007 to 31.03.2012)				
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 (01.04.2012 to 31.03.2017)				
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)				
66	2017-18	8710	11366.15	76.63
Annual Plan (2018-19)				
67	2018-19	5781.76	7266.15	79.57
Annual Plan (2019-20)				
68	2019-20	6765	10296.15	65.7
Annual Plan (2020-21)				
69	2020-21	4926.15	10591.15	46.51
Annual Plan (2021-22)				
70	2021-22	4485	10285	43.61
Annual Plan (2022-23)				
71	2022-23	1460	6350	22.99
Annual Plan (2023-24) (as on 31.12.2023)				
72	2023-24	2624	14700	17.85

देश में कार्यान्वित तापीय विद्युत परियोजनाओं की प्रगति का पुनरावलोकन

Review of Progress of Under Construction Thermal Power Projects in the Country

**185^{वाँ} त्रैमासिक पुनरावलोकन
(अक्टूबर- दिसंबर, 2023)**

**185th Quarterly Review
(October – December, 2023)**

**Thermal Project Monitoring Division
Central Electricity Authority**

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