

में कार्यान्वित तापीय विद्युत परियोजनाओं की प्रगति का पुनरावलोकन

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

196वाँ त्रैमासिक पुनरावलोकन

(जुलाई-सितम्बर, 2026)

196th QUARTERLY REVIEW

(July-September, 2026)

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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, 196th (for the period July, 2026 – September, 2026) in the series 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 2026-27.

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 (Jul – Sep, 2026):

(i) Nagai Power Private Limited (NPPL), Unit-1 (150 MW) of M/s NPPL commissioned on 10-08-2026.

(ii) Buxar TPP (SJVN), Unit-2 (660 MW) of M/s SJVNL commissioned on 31-08-2026.

(iii) Udangudi STPP St-I (TNPGCL), Unit-1 (660 MW) of M/s TNPGCL commissioned on 05-09-2026.

1.2 Thermal Power Projects (Under construction) visited during the current Quarter (July-Sep, 2026) of FY 2026-27:

i) Udangudi STPP (2x660 MW) of TNPGCL in the State of Tamil Nadu was visited from 24.08.26 to 25.08.26.

ii) Ennore SEZ (2x660 MW) of TNPGCL in the state of Tamil Nadu was visited from 22-09-2026 to 23-09-2026.

iii) Korba TPP Ph-II (2x660 MW) of KPL (subsidiary of Adani Power) in the state of Chhattisgarh was visited from 28-09-2026 to 29-09-2026.

1.3 Thermal Capacity Addition Target/Achievement for FY 2026-27:

(As on 30-09-2026)

S. No.	Project Name	Implementing Agency	State	Boiler (SG) & Turbine(TG) Make	Unit No	Targeted Capacity (MW)	Anticipated Trial Run (as on 01-04-2026)	Trial Run Assessment as per latest review by CEA	Capacity Achieved (MW)	Actual Date of Capacity Addition	**Latest Estimated Revised Cost of the Unit (Cr.)**
CENTRAL SECTOR											
1	Patratu STPP	PVUNL	Jharkhand	SG-BHEL (EPC) | TG-BHEL (EPC)	U-2	800	Apr-2026	May-2026	800	11-05-2026	6223
2	Ghatampur TPP	NUPPL	Uttar Pradesh	SG-L&T-MHI | TG-GE	U-3	660	May-2026	Jun-2026	660	08-06-2026	7260
3	Buxar TPP	SJVN	Bihar	SG-L&T (EPC) | TG-L&T (EPC)	U-2	660	Jun-2026	Aug-2026	660	31-08-2026	7195
4	Patratu STPP	PVUNL	Jharkhand	SG-BHEL (EPC) | TG-BHEL (EPC)	U-3	800	Feb-2027	Mar-2027			6223
Total (Central Sector)			**No. of Units : 4**			**2920 (4)**			**2120 (3)**		
STATE SECTOR											
5	Yadadri TPS	TGGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-3	800	Apr-2026	May-2026	800	13-05-2026	7226
6	Udangudi STPP St-I	TNPGCL	Tamil Nadu	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	660	May-2026	Sep-2026	660	05-09-2026	7538
7	Yadadri TPS	TGGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-5	800	Jun-2026	Nov-2026			7226
8	Udangudi STPP St-I	TNPGCL	Tamil Nadu	SG-BHEL (EPC) | TG-BHEL (EPC)	U-2	660	Aug-2026	Dec-2026			7538

9	Ennore SEZ	TNPGCL	Tamil Nadu	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	660	Feb-2027	Sep-2027		Slipped to FY 2027-28	10331.8
Total (State Sector)			**No. of Units : 5**			**3580 (5)**			**1460 (2)**		
PRIVATE SECTOR											
10	Mahan STPP,St-II	Mahan Energen	Madhya Pradesh	SG-BHEL (Supply) | TG-BHEL (Supply)	U-3	800	Jan-2027	Mar-2027			7765
Total (Private Sector)			**No. of Units : 1**			**800 (1)**			**0**		
Total Targeted Capacity			**No. of Units : 10**			**7300(10)**			**3580 (5)**		
Additional capacity added during FY 2026-27											
1) Nagai Power Private Limited (NPPL), U-1									**150***	10-08-2026	
Total Additional Capacity									**150 (1)**		
Grand Total Capacity (Achieved)									**3730 (6)**		

***** This is the additional capacity added during the FY 2026-27.

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1.4 (a) Summary of Thermal Units under construction (As on 30-09-2026):

Sector	USC/SC #		Sub-Critical		Total	
	No. of Projects [Units]	Capacity (MW)	No. of Projects [Units]	Capacity (MW)	No. of Projects [Units]	Capacity (MW)
Central	13 [27]	21040	0	0	**13 [27]**	**21040**
State	10 [13]	9140	0	0	**10 [13]**	**9140**
Private	9 [19]	14920	4(7)	3525	**13 [26]**	**18445**
Total	**32 [59] #**	**45100**	**4(7)**	**3525**	**36 [66]**	**48625[@]**

Out of the 32 Supercritical (SC) TPPs, 24 projects (46 units) of total capacity 36240 MW are based on Ultra Super Critical (USC) technology.
[USC Details: 12 projects (25 units) of capacity 19720 MW in Central sector, 4 projects (4 units) of capacity 2920 MW in State sector and 8 project (17 units) of capacity 13600 MW in Private sector].

@ This Capacity excludes capacity of Uppur TPS (2x800 MW) and Ennore SCTPP Exp. (1x660 MW) of TNPGCL.

(b) Summary of under construction Thermal Units taken over through NCLT (as on 30-09-2026):

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	0	0	0	0	**0**	**0**
State	0	0	0	0	**0**	**0**
Private	1 [2]	1320	4 [7]	3525	**5 [9]**	**4845**
Total	**1 [2]**	**1320**	**4 [7]**	**3525**	**5 [9]**	**4845**

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2.0 Details of Super-critical & Ultra Super-critical Thermal Units commissioned in the country (as on 30-09-2026):

A: Details of Super Critical Thermal Units commissioned Year wise:

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
Commissioned during the year 2026-27					
CENTRAL SECTOR					
108) U.P	Ghatampur TPP	NUPPL	U-3	660	08-06-2026
			Total Central Sector	660	
STATE SECTOR					
107) Tamil Nadu	Udangudi STPP St-I	TNPGCL	U-1	660	05-09-2026
106) Telangana	Yadadri TPS	TSGENCO	U-3	800	13-05-2026
			Total State Sector	1460	
			Total Commissioned in 2026-27	**2120**	
Commissioned during the year 2025-26					
CENTRAL SECTOR					
105) U.P	Ghatampur TPP	NUPPL	U-2	660	23-11-2025
104) Bihar	Barh STPP St-I	NTPC	U-3	660	05-06-2025
103) Jharkhand	North Karanpura STPP	NTPC	U-3	660	14-04-2025
			Total Central Sector	1980	
STATE SECTOR					
102) West Bengal	Sagardighi TPP St-III	WBPDCL	U-5	660	15-03-2026
101) Tamil Nadu	North Chennai TPP, St-III	TNPGCL	U-6	800	24-01-2026
100) Telangana	Yadadri TPS	TSGENCO	U-4	800	08-01-2026
99) Telangana	Yadadri TPS	TSGENCO	U-1	800	12-07-2025
			Total State Sector	3060	
			Total Commissioned in 2025-26	**5040**	
Commissioned during the year 2024-25					
CENTRAL SECTOR					
98) U.P.	Ghatampur TPP	NUPPL	U-1	660	03.12.2024
			Total Central Sector	660	
STATE SECTOR					
97) U.P.	Panki TPP Extn.	UPRVUNL	U-1	660	25.02.2025
96)Maharashtra	Bhusawal TPS	MSPGCL	U-6	660	21.02.2025
95) Telangana	Yadadri TPS	TGGENCO	U-2	800	25.01.2025

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
			Total State Sector	2120	
			Total Commissioned in 2024-25	**2780**	
Commissioned during the year 2023-24					
CENTRAL SECTOR					
94) Jharkhand	North Karanpura TPP	NTPC	U-2	660	28.02.2024
93) Bihar	Barh STPP St-I	NTPC	U-2	660	30.06.2023
			Total Central Sector	1320	
STATE SECTOR					
92) A. P.	Dr. Narla Tata Rao TPS St-V	APGENCO	U-8	800	20.12.2023
			Total State Sector	800	
			Total Commissioned in 2023-24	**2120**	
Commissioned during the year 2022-23					
CENTRAL SECTOR					
91) Jharkhand	North Karanpura STPP	NTPC	U-1	660	18.01.2023
			Total Central Sector	660	
STATE SECTOR					
90) 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					
89) Bihar	Nabi Nagar STPP	NPGCL	U-3	660	06.03.2022
88) Bihar	Barh STPP-I	NTPC	U-1	660	30.10.2021
87) Odisha	Darlipali STPP	NTPC	U-2	800	21.07.2021
			Total Central Sector	2120	
STATE SECTOR					
86) U.P.	Harduaganj TPS Exp-II	UPRVUNL	U-1	660	29.01.2022
85) Rajasthan	Suratgarh SCTPP	RRVUNL	U-8	660	06.10.2021
			Total State Sector	1320	
			Total Private Sector	0	
			Total Commissioned in 2021-22	**3440**	
Commissioned during the year 2020-21					
CENTRAL SECTOR					

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
84) U.P.	Tanda TPP, St- II	NTPC	U-6	660	31.03.2021
83) Bihar	Nabi Nagar STPP	NPGCL	U-2	660	31.03.2021
82) M.P.	Gadarwara STPP	NTPC	U-2	800	16.02.2021
81) U.P.	Meja STPP	JV of NTPC and UP	U-2	660	12.01.2021
80) Chhattisgarh	Lara STPP	NTPC	U-2	800	12.07.2020
			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					
79) Odisha	Darlipali STPP	NTPC	U-1	800	30.12.2019
78) U.P.	Tanda TPP, St-II	NTPC	U-5	660	28.09.2019
77) Bihar	Nabi Nagar STPP	NTPC	U-1	660	12.07.2019
			Total Central Sector	2120	
STATE SECTOR					
76) Rajasthan	Suratgarh SCTPP	RRVUNL	U-7	660	15.03.2020
75) Gujarat	Wanakbori TPP Ext.	GSECL	U-8	800	12.10.2019
74) Odisha	Ib Valley TPP	OPGC	U-4	660	17.08.2019
73) Odisha	Ib Valley TPP	OPGC	U-3	660	01.07.2019
			Total State Sector	2780	
			Total Private Sector	0	
			Total Commissioned in 2019-20	**4900**	
Commissioned during the year 2018-19					
CENTRAL SECTOR					
72) M.P.	Gadarwara TPP	NTPC	U-1	800	29.03.2019
71)Maharashtra	Solapur STPP	NTPC	U-2	660	29.03.2019
			Total Central Sector	1460	
STATE SECTOR					
70) Rajasthan	Chhabra TPP Extn	RRVUNL	U-6	660	29.03.2019
69) M.P.	Shri Singhaji TPP, St-II	MPPGCL	U-4	660	27.03.2019
68) Telangana	Kothagudem TPS, St-VII	TSGENCO	U-1	800	26.12.2018
67) M.P.	Shri Singhaji TPP, St-II	MPPGCL	U-3	660	18.11.2018
			Total State Sector	2780	
			Total Private Sector	0	
			Total Commissioned in 2018-19	**4240**	

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
Commissioned during the year 2017-18					
CENTRAL SECTOR					
66) U. P.	Meja STPP	JV of NTPC & UPRVUNL	U-1	660	31.03.2018
65) Chhattisgarh	Lara TPP	NTPC	U-1	800	23.03.2018
64) Karnataka	Kudgi STPP, Ph-I	NTPC	U-3	800	12.03.2018
63)Maharashtra	Solapur STPP	NTPC	U-1	660	07.04.2017
			Total Central Sector	2920	
STATE SECTOR					
62) Rajasthan	Chhabra SCTPP	RRVUNL	U-5	660	04.04.2017
			Total State Sector	660	
PRIVATE SECTOR					
61) U.P.	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[2012-2017] (Targeted)					
CENTRAL SECTOR					
60) Bihar	Barh -II	NTPC	U-5	660	04.03.2015
59) Bihar	Barh -II	NTPC	U-4	660	30.11.2013
58) Chhattisgarh	Sipat-I	NTPC	U-3	660	02.06.2012
			Total Central Sector	1980	
STATE SECTOR					
57)Maharashtra	Koradi TPS Expn.	MSPGCL	U-8	660	30.03. 2015
56) A.P.	Damodaram Sanjeevaiah TPS,St-I	APPDL	U-2	800	17.03. 2015
55) A.P.	Damodaram Sanjeevaiah TPS,St-I	APPDL	U-1	800	28.08. 2014
			Total State Sector	2260	
PRIVATE SECTOR					
54) A. P.	NCC TPP	NCC Power Projects Ltd	U-2	660	15.02. 2017
53) A.P.	NCC TPP	NCC Power Projects Ltd	U-1	660	12.11. 2016
52) U.P.	Prayagraj (Bara) TPP	Prayagraj Power Gen. Co.Ltd (J.P.Power Ventures)	U-2	660	06.09. 2016
51) Punjab	Talwandi Sabo TPP	M/s Sterlite	U-3	660	29.03. 2016
50) U.P.	Prayagraj (Bara) TPP	Prayagraj Power Gen. Co.Ltd (J.P.Power Ventures)	U-1	660	25.12. 2015
49) Punjab	Talwandi Sabo TPP	M/s Sterlite	U-2	660	30.10. 2015
48) A. P.	Painampuram TPP	Thermal Power Tech Corp. Ltd	U-2	660	05.09. 2015
47) A. P.	Painampuram TPP	Thermal Power Tech Corp. Ltd	U-1	660	07.02. 2015
46) Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	U-2	700	06.07. 2014
45) Punjab	Talwandi Sabo TPP	M/s Sterlite	U-1	660	17.06. 2014

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
44) Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	U-1	700	24.01. 2014
43) M.P.	Sasan UMPP	Reliance Power Ltd.	U-2	660	18.12. 2013
42)Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-1	660	10.06. 2013
41) M. P.	Sasan UMPP	Reliance Power Ltd.	U-3	660	30.05. 2013
40)Maharashtra	Tirora TPP Ph-I	Adani Power Ltd	U-2	660	25.03. 2013
39)Maharashtra	Tirora TPP Ph-I	Adani Power Ltd	U-1	660	11.09. 2012
38) Gujarat	Mundra UMTPP	Tata Power Co.	U-2	800	25.07. 2012
37) Haryana	Jhajjar TPP (Mahatama Gandhi TPP)	CLP Power India Pvt. Ltd	U-2	660	11.04. 2012
			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					
36) Karnataka	Kudgi STPP Ph-I	NTPC	U-2	800	23.03.2017
35)Maharashtra	Mouda STPP-II	NTPC	U-2	660	18.03.2017
34) Karnataka	Kudgi STPP Ph-I	NTPC	U-1	800	25.12.2016
33)Maharashtra	Mouda STPP -II	NTPC	U-3	660	28.03.2016
			Total Central Sector	2920	
STATE SECTOR					
32) Karnataka	Yermaus TPP	KPCL	U-2	800	29.03.2017
31)Maharashtra	Koradi TPS Expn.	MSPGCL	U-10	660	28.12.2016
30) Karnataka	Yermaus TPP	KPCL	U-1	800	29.03.2016
29)Maharashtra	Koradi TPS Expn.	MSPGCL	U-9	660	28.03.2016
28) Karnataka	Bellary TPS- St-III	KPCL	U-3	700	01.03.2016
			Total State Sector	3620	
PRIVATE SECTOR					
27) UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-3	660	01.04. 2016
26) Chhattisgarh	Raikheda TPP	GMR Chhattisgarh Energy Ltd.	U-2	685	28.03.2016
25) UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-1	660	26.03. 2016
24) UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-2	660	08.01. 2016
23) MP	Sasan UMPP	Reliance Power Ltd.	U-6	660	19.03. 2015
22)Chhattisgarh	Raikheda TPP	GMR Chhattisgarh Energy Ltd.	U-1	685	27.02.2015
21) MP	Nigri TPP	Jaiprakash Power ventures Ltd	U-2	660	17.02. 2015
20)Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-3	660	25.09. 2014
19) MP	Nigri TPP	Jaiprakash Power ventures Ltd	U-1	660	29.08. 2014
18) MP	Sasan UMPP	Reliance Power Ltd.	U-5	660	24.08. 2014
17) MP	Sasan UMPP	Reliance Power Ltd.	U-1	660	21.05. 2014

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity Addition
16) MP	Sasan UMPP	Reliance Power Ltd.	U-4	660	25.03. 2014
15)Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-2	660	23.03. 2014
14) Rajasthan	Kawai TPP	Adani Power Ltd.	U-2	660	24.12. 2013
13) Rajasthan	Kawai TPP	Adani Power Ltd.	U-1	660	28.05. 2013
12) Gujarat	Mundra UMTPP	Tata Power Co.	U-5	800	18.03. 2013
11) Gujarat	Mundra UMTPP	Tata Power Co.	U-4	800	16.01. 2013
10) Gujarat	Mundra UMTPP	Tata Power Co.	U-3	800	16.10. 2012
			Total Private Sector	12350	
			Total Additional Commissioned in 12th Plan	18890	
			Grand Total 12th Plan Commissioned	**35230**	
Commissioned during 11th Plan					
CENTRAL SECTOR					
9) Chhattisgarh	Sipat-I	NTPC	U-2	660	24.12.2011
8) Chhattisgarh	Sipat-I	NTPC	U-1	660	28.06.2011
			Total Central Sector	1320	
PRIVATE SECTOR					
7) Gujarat	Mundra TPP Ph-III	Adani Power Ltd	U-3	660	09.03. 2012
6) Gujarat	Mundra TPP Ph-III	Adani Power Ltd	U-2	660	03.03. 2012
5) Gujarat	Mundra UMTPP	Tata Power Co.	U-1	800	25.02.2012
4)Haryana	Jhajjar TPP (Mahatama Gandhi TPP)	CLP Power India Pvt. Ltd	U-1	660	12.01.2012
3)Gujarat	Mundra TPP Ph-III	Adani Power Ltd	U-1	660	07.11.2011
2)Gujarat	Mundra TPP Ph-II	Adani Power Ltd	U-2	660	20.07.2011
1)Gujarat	Mundra TPP Ph-II	Adani Power Ltd	U-1	660	26.12.2010
			Total Private Sector	4760	
			Total Commissioned in 11th Plan	**6080**	
			Total Super-Critical Commissioned (108 units)	**75,230**	

B: Details of Ultra Super - Critical Thermal Units:

State	Project Name	Implementing Agency	Unit No	Capacity (MW)	Actual Date of Capacity addition
Commissioned during the year 2026-27					
CENTRAL SECTOR					
14) Bihar	Buxar TPP	SJVN	U-2	660	31-08-2026
13)Jharkhand	Patratu STPP	PVUNL	U-2	800	11-05-2026
			Total Central Sector	**1460**	
			Total Commissioned in FY 2026-27	**1460**	
Commissioned during the year 2025-26					
CENTRAL SECTOR					
12) Bihar	Buxar TPP	SJVN	U-1	660	05-11-2025
11)Jharkhand	Patratu STPP	PVUNL	U-1	800	16-10-2025
10)Uttar Pradesh	Khurja SCTPP	THDC	U-2	660	22-09-2025
			Total Central Sector	**2120**	
STATE SECTOR					
9) Uttar Pradesh	Obra-C STPP	UPRVUNL	U-2	660	16.06.2025
			Total State Sector	**660**	
			Total Commissioned in FY 2025-26	**2780**	
Commissioned during the year 2024-25					
CENTRAL SECTOR					
8) Uttar Pradesh	Khurja SCTPP	THDC	U-1	660	23.01.2025
			Total Central Sector	**660**	
STATE SECTOR					
7) Uttar Pradesh	Jawaharpur STPP	UPRVUNL	U-2	660	23.12.2024
			Total State Sector	**660**	
			Total Commissioned in FY 2024-25	**1320**	
Commissioned during the year 2023-24					
CENTRAL SECTOR					
6) Telangana	Telangana STPP St-I	NTPC	U-2	800	11.02.2024
5) Telangana	Telangana STPP St-I	NTPC	U-1	800	05.09.2023
			Total Central Sector	**1600**	
STATE SECTOR					
4) Uttar Pradesh	Jawaharpur STPP	UPRVUNL	U-1	660	09.02.2024
3) Uttar Pradesh	Obra C STPP	UPRVUNL	U-1	660	02.02.2024
			Total State Sector	**1320**	
			Total Commissioned in FY 2023-24	**2920**	

Commissioned during the year 2019-20					
CENTRAL SECTOR					
2) MP	Khargone STPP St-I	NTPC	U-2	660	24.03.2020
1) MP	Khargone STPP St-I	NTPC	U-1	660	29.09.2019
			Total Central Sector	**1320**	
			TOTAL ULTRA SUPER-CRITICAL COMMISSIONED	**9,800 MW (14 units)**	
			TOTAL SUPER-CRITICAL & ULTRA SUPER-CRITICAL COMMISSIONED	**85,030 MW (122 units)**	

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3.0 Thermal capacity addition (MW) beyond 12th Plan

Sector / F.Y.	Central		State		Private		Total	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
2017-18	**4880**	3670	**3546.15**	1260	**2940**	3780	**11366.15**	8710
2018-19	**2760**	1960	**4506.15**	2849.76	**0**	972	**7266.15**	5781.76
2019-20	**6040**	3940	**4256.15**	2780	**0**	45	**10296.15**	6765
2020-21	**5790**	4080	**4276.15**	846.15	**525**	0	**10591.15**	4926.15
2021-22	**5400**	2370	**4360**	1590	**525**	525	**10285**	4485
2022-23	**3580**	660	**2770**	800	**0**	0	**6350**	1460
2023-24	**6880**	2920	**7820**	2120	**0**	364	**14700**	5404
2024-25	**6740**	1320	**8620**	3150	**0**	60	**15360**	4530
2025-26	**6220**	4100	**6640**	3720	**0**	1650	**12860**	9470

3.1 Thermal Capacity Addition Achievement for previous FY i.e 2025-26:

S. No.	Project Name	Implementing Agency	State	Boiler (SG) & Turbine(TG) Make	Unit No	Targeted Capacity (MW)	Anticipated Trial Run (as on 01-04-2024)	Trial Run Assessment as per latest review by CEA	Capacity Achieved (MW)	Actual Date of Capacity Addition	**Latest Estimated Revised Cost of the Unit (Cr.)**
CENTRAL SECTOR											
1	North Karanpura STPP	NTPC	Jharkhand	SG-BHEL (EPC) | TG-BHEL (EPC)	U-3	660	Apr-2025	Apr-2025	660	14-04-2025	5622
2	Barh STPP St-I	NTPC	Bihar	SG-TPE/DPSI | TG-Power Machines	U-3	660	Apr-2025	Jun-2025	660	05-06-2025	8392
3	Buxar TPP	SJVN	Bihar	SG-L&T (EPC) | TG-L&T (EPC)	U-1	660	Jun-2025	Nov-2025	660	05-11-2025	6878
4	Patratu STPP	PVUNL	Jharkhand	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	800	Jun-2025	Oct-2025	800	16-10-2025	6223
5	Ghatampur TPP	NUPPL	Uttar Pradesh	SG-L&T-MHI | TG-GE	U-2	660	Jul-2025	Nov-2025	660	23-11-2025	7260
6	Khurja SCTPP	THDC	Uttar Pradesh	SG-L&T-MHI | TG-BHEL	U-2	660	Jul-2025	Sep-2025	660	22-09-2025	6638

7	Buxar TPP	SJVN	Bihar	SG-L&T (EPC) | TG-L&T (EPC)	U-2	660	Oct-2025	Jun-2026	------	Slipped to FY 2026-27	6878
8	Ghatampur TPP	NUPPL	Uttar Pradesh	SG-L&T-MHI | TG-GE	U-3	660	Nov-2025	May-2026	-----	Slipped to FY 2026-27	7260
9	Patratu STPP	PVUNL	Jharkhand	SG-BHEL (EPC) | TG-BHEL (EPC)	U-2	800	Feb-2026	Apr-2026		Slipped to FY 2026-27	6223
Total (Central Sector)			**No. of Units : 9**			**6220 (9)**			**4100 (6)**		
STATE SECTOR											
10	North Chennai TPP St-III	TNPGCL	Tamil Nadu	SG-BHEL | TG-BHEL	U-1	800	Apr-2025	Jan-2026	800	24-01-2026	11158
11	Yadadri TPS	TGGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	800	Apr-2025	Jul-2025	800	12-07-2025	7226
12	Obra-C STPP	UPRVUNL	Uttar Pradesh	SG-DPSI (EPC) | TG-DPSI (EPC)	U-2	660	May-2025	Jun-2025	660	16-06-2025	6503
13	Sagardighi TPP St-III	WBPDCL	West Bengal	SG-BHEL (EPC) | TG-BHEL (EPC)	U-5	660	Jun-2025	Jan-2026	660	15-03-2026	4567
14	Udangudi STPP St-I	TNPGCL	Tamil Nadu	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	660	Jul-2025	Apr-2026	------	Slipped to FY 2026-27	7538
15	Yadadri TPS	TGGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-4	800	Aug-2025	Jan-2026	800	08-01-2026	7226.4
16	Udangudi STPP St-I	TNPGCL	Tamil Nadu	SG-BHEL (EPC) | TG-BHEL (EPC)	U-2	660	Oct-2025	Aug-2026	------	Slipped to FY 2026-27	7538
17	Yadadri TPS	TGGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-3	800	Oct-2025	Apr-2026	--------	Slipped to FY 2026-27	7226
18	Yadadri TPS	TGGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-5	800	Dec-2025	Jun-2026	---------	Slipped to FY 2026-27	7226
Total (State Sector)			**No. of Units : 9**			**6640 (9)**			**3720 (5)**		
Total Targeted Capacity			**No. of Units : 18**			**12860**			**7820 (11)**		
Additional capacity added during FY 2025-26											
1)	JSW Energy Utkal Limited								**350** #	01.04.2025	2001
2)	Meenakshi Energy Ltd. (Thamminapatanam TPP), U-3								**350** #	05-07-2025	
3)	Vedanta Ltd. Chhattisgarh TPP (Athena Chhattisgarh Power Ltd.), U-1								**600** #	19-07-2025	
4)	Meenakshi Energy Ltd. (Thamminapatanam TPP), U-4								**350** #	21-08-2025	
Total Additional Capacity									**1650 (4)**		
Grand Total Capacity (Achieved)									**9470 (15)**		

This is additional capacity addition during FY 2025-26.

3.2 Thermal Capacity Addition Achievement for FY 2024-25:

S. No.	Project Name	Implementing Agency	State	Boiler (SG) & Turbine(TG) Make	Unit No	Targeted Capacity (MW)	Anticipated Trial Run (as on 01-04-2024)	Trial Run Assessment as per CEA	Capacity Achieved (MW)	Actual Date of Capacity Addition	Unit Cost (Rs. Cr.)
CENTRAL SECTOR											
1	Ghatampur TPP	NUPPL	Uttar Pradesh	SG-L&T-MHI | TG-GE	U-1	660	Jun-2024	Dec-2024	660	03.12.2024	7260.33
2	Buxar TPP	SJVN	Bihar	SG-L&T (EPC) | TG-L&T (EPC)	U-1	660	Sep-2024	Jun-2025	--	Slipped to FY 2025-26	5219.50
3	Khurja SCTPP	THDC	Uttar Pradesh	SG-L&T-MHI | TG-BHEL	U-1	660	Sep-2024	Jan-2025	660	23.01.2025	5545.5
4	Barh STPP St-I	NTPC	Bihar	SG-TPE/DPSI | TG-Power Machines	U-3	660	Nov-2024	Apr-2025	--	Slipped to FY 2025-26	8392
5	Ghatampur TPP	NUPPL	Uttar Pradesh	SG-L&T-MHI | TG-GE	U-2	660	Nov-2024	Jul-2025	--	Slipped to FY 2025-26	7260.33
6	Buxar TPP	SJVN	Bihar	SG-L&T (EPC) | TG-L&T (EPC)	U-2	660	Dec-2024	Oct-2025	--	Slipped to FY 2025-26	5219.50
7	North Karanpura STPP	NTPC	Jharkhand	SG-BHEL (EPC) | TG-BHEL (EPC)	U-3	660	Dec-2024	Apr-2025	--	Slipped to FY 2025-26	5414.33
8	Patratu STPP	PVUNL	Jharkhand	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	800	Dec-2024	Jun-2025	--	Slipped to FY 2025-26	6222.67
9	Khurja SCTPP	THDC	Uttar Pradesh	SG-L&T-MHI | TG-BHEL	U-2	660	Dec-2024	Jul-2025	--	Slipped to FY 2025-26	5545.5
10	Ghatampur TPP	NUPPL	Uttar Pradesh	SG-L&T-MHI | TG-GE	U-3	660	Mar-2025	Nov-2025	--	Slipped to FY 2025-26	7260.33
Total (Central Sector)			**No. of Units : 10**			**6740**			**1320 (2)**		
STATE SECTOR											
11	North Chennai TPP St-III	TANGEDCO	Tamil Nadu	SG-BHEL | TG-BHEL	U-1	800	May-2024	Apr-2025	--	Slipped to FY 2025-26	10158
12	Jawaharpur STPP	UPRVUNL	Uttar Pradesh	SG-DPSI (EPC) | TG-DPSI (EPC)	U-2	660	Jun-2024	Dec-2024	660	23.12.2024	7314
13	Obra-C STPP	UPRVUNL	Uttar Pradesh	SG-DPSI (EPC) | TG-DPSI (EPC)	U-2	660	Jul-2024	May-2025	--	Slipped to FY 2025-26	6503
14	Bhusawal TPS	MAHAGENCO	Maharashtra	SG-BHEL (EPC) | TG-BHEL (EPC)	U-6	660	Sep-2024	Jan-2025	660	21.02.2025	6350
15	Panki TPS Extn.	UPRVUNL	Uttar Pradesh	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	660	Sep-2024	Feb-2025	660	25.02.2025	6729
16	Yadadri TPS	TSGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	800	Sep-2024	Apr-2025	--	Slipped to FY 2025-26	7226.4
17	Yadadri TPS	TSGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-2	800	Sep-2024	Jan-2025	800	25.01.2025	7226.4
18	Yadadri TPS	TSGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-4	800	Feb-2025	Aug-2025	--	Slipped to FY 2025-26	7226.4

19	Udangudi STPP St-I	TANGEDCO	Tamil Nadu	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	660	Oct-2024	Jul-2025	--	Slipped to FY 2025-26	6538.50
20	Yadadri TPS	TSGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-3	800	Dec-2024	Oct-2025	--	Slipped to FY 2025-26	7226.4
21	Sagardighi TPP St-III	WBPDCL	West Bengal	SG-BHEL (EPC) | TG-BHEL (EPC)	U-5	660	Jan-2025	Jun-2025	--	Slipped to FY 2025-26	4567
22	Udangudi STPP St-I	TANGEDCO	Tamil Nadu	SG-BHEL (EPC) | TG-BHEL (EPC)	U-2	660	Feb-2025	Oct-2025	--	Slipped to FY 2025-26	6538.50
Total (State Sector)			**No. of Units : 12**			**8620**			**2780 (4)**		
Total Targeted Capacity			**No. of Units : 22**			**15360**			**0**		
Additional capacity added during F Y 2024-25											
1) Maadurga Thermal Power Company Ltd.(MTPCL),U-2						--	--	--	**30** #	19.08.2024	118
2) Maadurga Thermal Power Company Ltd.,U-1						--	--	--	**30** #	23.09.2024	
3) Yelahanka CCPP [Gas]						--	--	--	**370** #	10.01.2025	2055.23
Total Additional Capacity									**(3) 430**		
Grand Total Capacity (Achieved)									**(9) 4530**		

Maadurga Thermal Power Company Ltd.,U-1 & 2 (2x30MW) commissioned on 23.09.204 & 19.08.2024 respectively. Also, Yelahanka CCPP (KPCL) (370 MW) commissioned on 10.01.2025. This is additional capacity addition beyond the targeted capacity of 15360 MW during FY 2024-25.

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

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 CEA	Capacity Achieved (MW)	Actual Date of Capacity Addition	Unit Cost (Rs. 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	Feb-2024	800	11.02.2024	7000
3	North Karanpura STPP	NTPC	Jharkhand	SG-BHEL (EPC) | TG-BHEL (EPC)	U-2	660	Nov-2023	Feb-2024	660	28.02.2024	5414
4	Buxar TPP	SJVN	Bihar	SG-L&T (EPC) | TG-L&T (EPC)	U-1	660	Dec-2023	Sept-2024	--	Slipped	5220
					U-2	660	Mar-2024	Dec-2024	--	Slipped	5220
5	Ghatampur TPP	NUPPL	Uttar Pradesh	SG-L&T-MHI | TG-GE	U-1	660	Jul-2023	Jun-2024	--	Slipped	6469
					U-2	660	Oct-2023	Nov-2024	--	Slipped	6469
					U-3	660	Dec-2023	Mar-2025	--	Slipped	6469
6	Khurja SCTPP	THDC	Uttar Pradesh	SG-L&T-MHI | TG-BHEL	U-1	660	Feb-2024	Sept-2024	--	Slipped	5545
			Total Central Sector			**(10) 6880**	**(10) 6880**	**(4) 2920**	**(4) 2920**		
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	Feb-2024	660	09.02.2024	6160
					U-2	660	Dec-2023	Jun-2024	--	Slipped	6160
9	Obra-C STPP	UPRVUNL	Uttar Pradesh	SG-DPSI (EPC) | TG-DPSI (EPC)	U-1	660	Jun-2023	Feb-2024	660	02.02.2024	5853
					U-2	660	Jan-2024	Jul-2024	--	Slipped	5853
10	Panki TPS Extn.	UPRVUNL	Uttar Pradesh	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	660	Jan-2024	Sep-2024	--	Slipped	6729
11	North Chennai TPP, St-III	TANGEDCO	Tamil Nadu	SG-BHEL | TG-BHEL	U-1	800	Sep-2023	Apr-2024	--	Slipped	8723
12	Udangudi STPP, St-I	TANGEDCO	Tamil Nadu	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	660	Mar-2024	Oct-2024	--	Slipped	6538
13	Yadadri TPS	TSGENCO	Telangana	SG-BHEL (EPC) | TG-BHEL (EPC)	U-1	800	Dec-2023	Sept-2024	--	Slipped	6909
					U-2	800	Dec-2023	Sept-2024	--	Slipped	6909
14	Bhusawal TPS	MAHAGENCO	Maharashtra	SG-BHEL (EPC) | TG-BHEL (EPC)	U-6	660	Jul-2023	Sept-2024	--	Slipped	4551
			Total State Sector			**(11) 7820**	**(11) 7820**	**(3) 2120**	**(3) 2120**		
			Total Targeted Capacity			**(21) 14700***	**(21) 14700***	**(7) 5040**	**(7) 5040**		
Additional capacity added during F Y 2023-24											
1) Kashipur CCPP, Ph-II, M/s Sravanthi Energy Pvt Lld. (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)											**(9) 5404**		

& 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)

3.4 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	Unit Cost (Rs. Cr.)
									at the beginning of Year	as per CEA 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 Sanjeevaiah TPP 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**		

3.5 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	Unit Cost (Rs. Cr.)
									at the beginning of Year	as per CEA 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	A. P.	Vijayawada	APGENCO	BHEL	U-1	800	Jun'19	Oct'21	Jul'22	--		7587

	TPP St-V												
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.

3.6 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	Bhadradri TPP	TSGENCO	BHEL	Mar-15	U-1	Coal	270	Mar-17	Jun-20	270	05.06.2020(A)
Telangana	Bhadradri TPP	TSGENCO	BHEL	Mar-15	U-2	Coal	270	May-17	Aug-20	270	07.12.2020(A)
Karnataka	Yelahanka CCPP	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	Bhadradri 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**	

3.7 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 as per CEA review	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	Bhadradri 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**	

3.8 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 as per CEA review	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.**

3.9 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 as per CEA review	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	Bhadradri 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 as per CEA review	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 %**

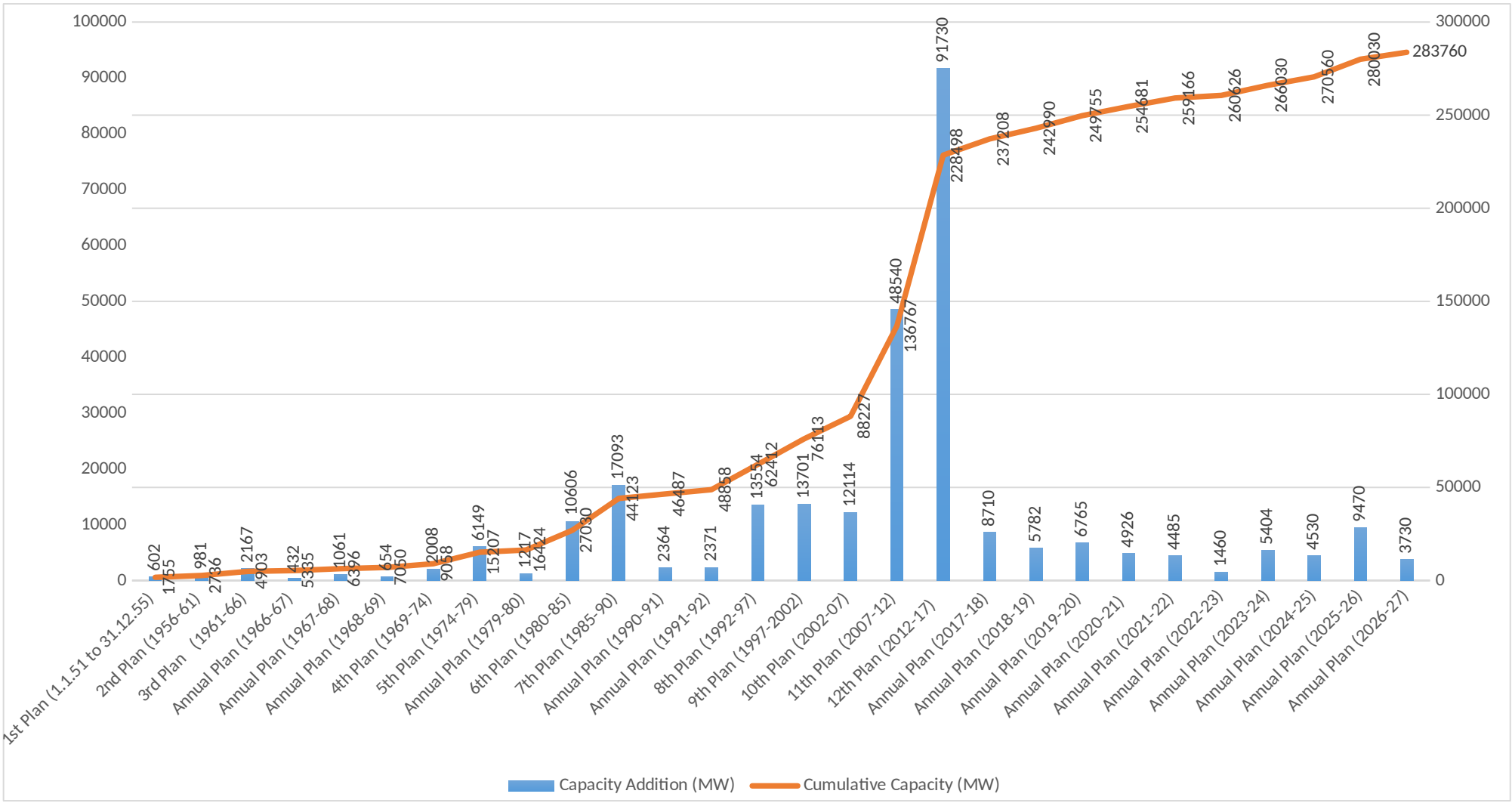
4.3 Capacity Addition (Thermal/Hydro/Nuclear) during 12th Plan (MW) -

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**

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

Plan/ Duration	Capacity Addition (MW)	Cumulative Capacity (MW)
Annual Plan (2026-27) till Sep'2026	3730	283760
Annual Plan (2025-26)	9470	280030
Annual Plan (2024-25)	4530	270560
Annual Plan (2023-24)	5404	266030
Annual Plan (2022-23)	1460	260626
Annual Plan (2021-22)	4485	259166
Annual Plan (2020-21)	4926.15	254681
Annual Plan (2019-20)	6765	249755
Annual Plan (2018-19)	5781.76	242990
Annual Plan (2017-18)	8710	237208
12th Plan (2012-17)	91730.5	228498
11th Plan (2007-12)	48539.9	136767
10th Plan (2002-07)	12114.2	88227
9th Plan (1997-2002)	13700.9	76113
8th Plan (1992-97)	13553.9	62412
Annual Plan (1991-92)	2370.5	48858
Annual Plan (1990-91)	2364	46487
7th Plan (1985-90)	17093.3	44123
6th Plan (1980-85)	10606	27030
Annual Plan (1979-80)	1216.87	16424
5th Plan (1974-79)	6148.73	15207
4th Plan (1969-74)	2007.9	9058
Annual Plan (1968-69)	654.12	7050
Annual Plan (1967-68)	1061.29	6396
Annual Plan (1966-67)	431.67	5335
3rd Plan (1961-66)	2166.89	4903
2nd Plan (1956-61)	981.05	2736
1st Plan (1.1.51 to 31.12.55)	602.11	1755

6.0 Bar Chart representing Plan / Year wise Growth of Thermal Capacity in the country (Till 30.09.2026) -



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	393.37	-	-
	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	895.34	-	-
	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	2198.5	-	-
	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)				
		Capacity Addition (MW)	**Target (MW)**	**% Achievement**
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)				
72	**2023-24**	**5404**	**14700**	**36.76**
Annual Plan (2024-25)				
73	**2024-25**	**4530**	**15360**	**29.49**

Annual Plan (2025-26)				
74	2025-26	9470	12860	73.64

देश में कार्यान्वित तापीय विद्युत परियोजनाओं की प्रगति का पुनरावलोकन

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

196 वाँ त्रैमासिक पुनरावलोकन

(जुलाई-सितम्बर, 2026)

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(July– September, 2026)

Thermal Project Monitoring Division
Central Electricity Authority
Ministry of Power
Government of India
9th Floor(S), Sewa Bhawan, R.K. Puram,
New Delhi – 110 066
Phone: 011-26732904
E mail: cea-tmd@nic.in

