



**भारत सरकार
विद्युत मंत्रालय**

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**MONTHLY REPORT ON BROAD STATUS OF
THERMAL POWER PROJECTS IN THE COUNTRY**

September 2011



**ताप विद्युत परियोजना प्रबोधन प्रभाग
केन्द्रीय विद्युत प्राधिकरण
नई दिल्ली**

**THERMAL PROJECT MONITORING DIVISION
CENTRAL ELECTRICITY AUTHORITY
NEW DELHI**

FOREWORD

As per clause 73(f) of Electricity Act 2003, Central Electricity Authority is to “promote and assist in the timely completion of schemes and projects”. The Thermal Project Monitoring (TPM) Division of CEA is entrusted with the responsibility of monitoring the progress of construction/erection activities of all the thermal power projects in the country till the units are commissioned. Visits are also made by CEA officers to the sites for assessing the on-spot progress of works and rendering the advice/assistance in solving the problems being faced by the project authorities, thereby helping the project authorities in avoiding/minimizing the time and cost overruns of the thermal power projects.

In this context, Thermal Project Monitoring Division, Central Electricity Authority has been bringing out monthly report entitled “Broad Status of Thermal Power Projects in the Country”. This report covers up-to-date information in respect of 11th plan thermal power projects under execution in the country. The report gives the details of the milestones achieved as on date, along with the name, capacity, location, implementing agency, commissioning schedule, type of fuel, construction agency, estimated cost besides highlighting critical issues requiring immediate attention of concerned authorities in the implementation of thermal power projects in the country.

The Broad Status Report is being brought out regularly by this division on the basis of data forwarded by various project authorities, visits made by CEA Engineers to various power projects, holding discussions with the executing agencies and suppliers of equipments from time to time.

We welcome feedback for further improvement in the Broad Status Report.

New Delhi
Dated :28th September,2011

(A. K. Gupta)
Chief Engineer (TPM)

Disclaimer

This report, based on the details received from various project authorities & other organizations / agencies associated with the project, is for information and non-commercial use only. CEA is not responsible for the contents or reliability of other websites to which CEA provides a link and do not necessarily endorse the views expressed by them.

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1.0 11TH PLAN CAPACITY ADDITION PROGRAMME

1.1 TOTAL CAPACITY ADDITION (MW) PROGRAMME DURING 11TH PLAN (AS PER ORIGINAL TARGET) (MW)

Thermal	59693
Hydro	15627
nuclear	3380
Total	78700

1.2 TOTAL CAPACITY ADDITION (MW) PROGRAMME DURING 11TH PLAN (AS PER MID TERM TARGET) (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	15970.0	2922	3380	22272.0
STATE	18501.1	2854	0	21355.1
PRIVATE	16285.5	2461	0	18746.5
TOTAL	50756.6	8237	3380	62373.6

1.3 TOTAL CAPACITY COMMISSIONED DURING 2007-08 (MW)

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

1.4 TOTAL CAPACITY COMMISSIONED DURING 2008-09 (MW)

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

1.5 TOTAL CAPACITY COMMISSIONED DURING 2009-10 (MW)

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

1.6 TOTAL CAPACITY COMMISSIONED DURING 2010-11 (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	3740.0	320	220	4280.0
STATE	1981.0	178		2159.0
PRIVATE	5529.5	192	-	5721.5
TOTAL	11250.5	690	220	12160.5

1.7 THERMAL CAPACITY PROGRAMMED FOR COMMISSIONING DURING THE YEAR 2011-12
(as on 31.08.11)

S.N o	Project Name & Unit No./Implementing Agency	Executing Agency	LOA Date	Org. Comm. Date	Cap. (MW)	Commissioning Schedule		Cap. Ach.	Remar ks
						Target	Ant. /Act(A)		
	Central Sector								
1	Sipat-I, U-1 * NTPC	Others	Apr-04	Sep-08	660	Jul-11	28.06.11(A)	660	
2	Sipat-I, U-2 * NTPC	Others	Apr-04	Jul-09	660	Nov-11	Nov-11		
3	Kodrma TPP U-1# DVC	BHEL	29.06.07	Jun-10	500	Jun-11	20.07.11(A)	500	
4	Durgapur Steel TPS U-1# DVC	BHEL	27.07.07	Jul-10	500	Aug-11	29.07.11(A)	500	
5	Neyveli TPS-II Exp. U-1# NLC	BHEL	19.08.05	Feb-09	250	Oct-11	Sep-11		
6	Indira Gandhi TPP U-2 APCPL	BHEL	07.06.07	Jun-11	500	Nov-11	Nov-11		
	Total of Central Sector				3070			1660	
	State Sector								
7	Khaperkheda TPS Expn. U- 5# MSPGCL	BHEL	01.01.07	Jun-10	500	Jun-11	05.08.11(A)	500	
8	Santaldih TPP Extn Ph-II U- 6# WBPDCCL	BHEL	23.03.07	Aug-09	250	Jul-11	29.06.11(A)	250	
9	Bhusawal TPS Expn. U-4# MSPGCL	BHEL	23.01.07	Sep-10	500	Jul-11	Oct-11		
10	Bhusawal TPS Expn. U-5 MSPGCL	BHEL	23.01.07	Jan-11	500	Jan-12	Mar-12		
11	Kothagudem TPP -VI U-1 APGENCO	BHEL	22.02.07	May-10	500	Jun-11	26.06.11(A)	500	
12	Pragati CCGT - III ST-1# PPCL	BHEL	30.05.08	Jul-10	250	Oct-11	Oct-11		
13	Pragati CCGT - III GT-3# PPCL	BHEL	30.05.08	Jul-10	250	Sep-11	Dec-11		
14	Harduaganj Ext. U-8# UPRVUNL	BHEL	28.06.06	Aug-09	250	Sep-11	Sep-11		
15	Harduaganj Ext. U-9# UPRVUNL	BHEL	28.06.06	Dec-09	250	Feb-12	Feb-12		
16	Hazira CCPP Extn. GT+ST # GSECL	BHEL	01.01.08	Mar-10	351	Aug-11	Oct-11		
17	Bellary TPP St-II U-2 KPCL	BHEL	31.08.06	Jan-11	500	Nov-11	Dec-11		
	Total of State Sector				4101			1250	
	Private Sector								
18	JSW Ratnagiri TPP U-3# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Jul-10	300	May-11	06.05.11(A)	300	
19	JSW Ratnagiri TPP U-4# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Sep-10	300	Oct-11	Sep-11		
20	Anpara-C TPS U-1# Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	Jun-11	600	Jul-11	Nov-11		
21	Anpara-C TPS U-2 Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	May-11	600	Oct-11	Oct-11		
22	Maithon RB TPP U-1# DVC- JV Tata	BHEL	25.10.07	Oct-10	525	Jun-11	30.06.11(A)	525	
23	Maithon RB TPP U-2 MPL JV of DVC and Tata Power	BHEL	25.10.07	Apr-11	525	Jan-12	Jan-12		
24	Udupi TPP U-2# NPCL	Chinese	24.12.06	Dec-06	600	Apr-11	17.04.11(A)	600	

25	Wardha Warora U-4 @ M/s Wardha Power Co.Pvt. Ltd (KSK)	Chinese	15.05.07	Sep-10	135	Apr-11	30.04.11(A)	135	
26	Jallipa- Kapurdi TPP U-3# Raj west power Ltd	Chinese	Mar-07	Mar-10	135	Aug-11	Sep-11		
27	Mundra TPP Ph-II U-2 Adani Power Ltd	Chinese	09.06.07	Aug-11	660	Aug-11	20.07.11(A)	660	
28	Mundra Ultra Mega TPP U-1 Tata Power Co.	Others	12.01.06	May-11	800	Aug-11	Oct-11		
29	Tirora TPP Ph-I U-1 Adani Power Ltd	Chinese	Feb-08	Apr-11	660	Jan-12	Oct-11		
30	Sterlite (Jharsugda) U-3*	Chinese	10.05.06	Jul-09	600	Oct-11	16.08.11(A)	600	
Total of Private Sector					6440			2820	
Total 2011-12					13611			5730	
Note : * 11Plan Best Effort Units									
@ - Additional Units not included in 11th Plan Target									
#- Units slipped from 2010-11 Target									

1.8 THERMAL CAPACITY ACTUALLY ACHIEVED/UNDER CONSTRUCTION DURING THE PLAN AS ON DATE (MW)

Sl	Target year	Thermal	Nuclear
(i)	Capacity achieved during 2007-08	6620	220
(ii)	Capacity achieved during 2008-09	2484.7	-
(iii)	Capacity achieved during 2009-10	9106	440
(iv)	Capacity achieved during 2010-11	11250.5	220
	Capacity achieved upto 2010-11	29461.2	880
	Capacity achieved during 2011-12 (as on 31.08.11)	5730	-
	Total Capacity achieved till date (31.08.11)	35191.2*	880
(vi)	Capacity under construction for 11 th Plan (with high degree of certainty)	17571.7	2500
	Total	52762.9	3380

* - It includes an additional Capacity of 746 MW not included in 11th plan MTA Target.

1.9 NUCLEAR THERMAL POWER STATIONS UNDER CONSTRUCTION/ COMMISSIONED IN THE COUNTRY DURING 11TH PLAN

S. No.	Project Name/ Unit No.	State	Capacity (MW)	Comm. Schedule Actual (A)/ Ant.
1	Kaiga APP U-3	Karnataka	220	11.04.07(A)
2	Rajasthan APP U-5	Rajasthan	220	04.02.10(A)
3	Kaiga APP U-4	Karnataka	220	20.01.11(A)
4	Kudankulam APP U-1	TN	1000	03/12
5	Rajasthan APP U-6	Rajasthan	220	31.03.10(A)
6	Kudankulam APP U-2	TN	1000	03/12
7	Kalpakkam	TN	500	03/12
Total			3380	

2.0 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2007-2008

SI No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Date	Actual date of Comm.	Cap. Added (MW)
A	CENTRAL SECTOR							
1	Bhilai TPP	Chhattisgarh / NTPC & SAIL JV	U-1 U-2	250 250	03/2009	04/2008 10/2008	Slipped	
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2004	06/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-4 U-5	500 500	12/2003	10/2007 04/2008	27/05/07(A) U-5 Slipped	500
4	Kahalgao STPS-II (Ph-I & II)	Bihar/NTPC	U -6 U -7	500 500	07/2003 03/2004	09/2007 07/2007	16.03.08(A) U-7 slipped	500
5	Ratnagiri Gas Power Project	Mah. /Ratnagiri Gas & Power Pvt. Ltd.	Block-3	740	05/1999	01/2007	28.10.07(A)	740
6.	Mejia TPS	West Bengal/DVC	U-6	250	06/2004	04/2007	01.10..07(A)	250
7.	Chandrapura TPS Extn	Jharkhand / DVC	U- 7 U- 8	250 250	06/2004	02/2007 04/2007	Project Slipped	
		Sub Total (A)		4650				1990
B	STATE SECTOR							
1.	GHT (Lehra Mohabbat)TPS-II	Punjab/ PSEB	U-3 U-4	250 250	03/2004	10/2006 01/2007	03.01.08(A) U-4 Slipped	250
2.	Dholpur CCPP (Ph-I)	Rajasthan /RRVUNL	GT-2 ST	110 110	06/2004	07/2006 12/2006	16/06/07(A) 27.12.07(A)	110 110
3	Korba East TPP St-V	Chhattis/ CSEB	U-2	250	08/2003	06/2007	11.12.07(A)	250
4	Dhuvaran CCPP Extn.	Gujarat/GSECL	ST	40	03/2004	01/2006	13.08.07(A)	40
5	Kutch Lignite Extn	Gujarat/GSECL	U-4	75	01/2004	08/2006	Slipped	
6	Rayalaseema TPS-II	AP/APGENCO	U-4	210	12/2003	03/2007	20.11.07(A)	210
7	Bellary TPP	Karnataka/ KPCL	U-1	500	11/2003	12/2006	03.12.07(A)	500
8	Santaldih TPP	WB / WBPDC	U-5	250	07/2004	01/2007	07.11.07(A)	250
9	Sagardighi TPP	WB / WBPDC	U-1 U-2	300 300	07/2004	01/2007 04/2007	21.12.07(A) U-2 Slipped	300
10	Bakreshwar TPS-II	WB / WBPDC	U-4 U-5	210 210	11/2004	06/2007 09/2007	23.12.07(A) U-5 Slipped	210
11	Yamuna Nagar TPP	Haryana/HPGCL	U-1 U-2	300 300	09/2004	10/2007 01/2008	13.11.07(A) 29.03.08(A)	300 300
12	AmarkantakTPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	Slipped	
13	Valuthur CCPP Extn.	TN/TNEB	GT ST	60 32.2	05/2006	11/2007 02/2008	Slipped	
14	Durgapur TPS Extn.	WB/DPL	U-7	300	07/2004	01/2007	24.11.07(A)	300
15	Sanjay Gandhi TPP Extn. St.III (Birsinghpur)	MP/MPPGCL	U-5	500	08/2003	09/2006	18.06.07(A)	500
16	Paras TPS Extn	Maharastra/MSPGCL	U-1	250	05/2004	11/2006	31.05.07(A)	250
		Sub Total (B)		5017.2				3880
C	Private Sector							
1.	OP Jindal (Raigarh)TPP Ph.I & II	Chhattis./Jindal Power	U-1 U-2 U-3 U-4	250 250 250 250	06/2004	05/2007 09/2007 12/2007 04/2008	02.09.07(A) 06.03.08(A) 10.02.08(A) U-4 slipped	250 250 250
2.	Sugen CCPP	Gujarat /Torrent Power Gen. Ltd.	Block-1 Block-2 Block-3	376 376 376	06/2005	09/2007 12/2007 02/2008	Slipped	
3	Gautami CCPP	AP/ Gautami Power Ltd.	GT -1 GT- 2 ST	145 145 174	09/2003	02/2006 02/2006 07/2006	slipped	
4	Konaseema CCPP	AP/Konaseema EPS	GT-1 GT-2 ST	140 140 165	03/2001	10/2005 03/2006 03/2006	Slipped	
		Sub Total (C)		3037				750
		GRAND TOTAL(A+B+C)		12704.2				6620

2.1 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2008-09

	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Date	Actual date of Comm.	Cap. Added (MW)
A	CENTRAL SECTOR							
1	Bhilai Extn. TPP	Chhattisgarh / NSPCL (NTPC & SAIL JV)	U-1 U-2	250 250	03/2009	04/2008 10/2008	20.04.08(A) Slipped	250
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2004	06/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-5	500	12/2003	04/2008	27.12.08(A)	500
4	Kahalgaon STPS-II (Ph-I & II)	Bihar/ NTPC	U -7	500	03/2004	07/2007	Slipped	
5	Chandrapura TPS Extn	Jharkhand / DVC	U- 7 U- 8	250 250	06/2004	02/2007 04/2007	Slipped	
6	Barsingsar Lignit	Rajasthan/ NLC	U-1 U-2	125 125	12/2005	12/2008 06/2009	Slipped	
		Sub Total (A)		2910				750
B	STATE SECTOR							
1.	GHTP(Lehra Mohabbat)TPS-II	Punjab/ PSEB	U-4	250	03/2004	01/2007	31.07.08(A)	250
2	Kutch Lignite Extn	Gujarat/ GSECL	U-4	75	01/2004	08/2006	Slipped	
3	Sagardighi TPP	WB / WBPDCCL	U-2	300	07/2004	04/2007	20.07.08(A)	300
4	Bakreshwar TPS-II	WB / WBPDCCL	U-5	210	11/2004	09/2007	Slipped	
5	Valuthur CCPP Extn.	TN/TNEB	GT ST	59.8 32.4	05/2006	11/2007 02/2008	06.05.08(A) 16.02.09(A)	59.8 32.4
6	Amarkantak TPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	15.06.08(A)	210
7	Giral Lignite- II	Rajasthan/ RRVUNL	U-2	125	11/2005	08/2008	Slipped	
8	Chhabra TPS	Rajasthan/ RRVUNL	U-1 U-2	250 250	03/2006	11/2008 02/2009	Slipped	
9	Surat Lignite TPP Extn.	Gujarat/ GIPCL	U-3 U-4	125 125	03/2006	11/2008 04/2009	Slipped	
10	Kota TPP	Rajasthan/ RRVUNL	U-7	195	06/2006	02/2009	Slipped	
11	Suratgarh TPP –IV	Rajasthan/ RRVUNL	U-6	250	06/2006	09/2008	Slipped	
12	Vijaywada TPP –IV	AP/ APGENCO	U-1	500	07/2005	12/2008	Slipped	
		Sub Total (B)		2957.2				852.2
C	Private Sector							
1	OP Jindal (Raigarh)TPP Ph.I & II	Chhattis./Jindal Power	U-4	250	06/2004	04/2008	17.06.08(A)	250
2.	Sugen CCPP *	Gujarat /Torrent Power Gen. Ltd.	Block-1 Block-2 Block-3	376 376 376	06/2005	09/2007 12/2007 02/2008	04.02.09 (A) Slipped Slipped	382.5
3	Gautami CCPP	AP/ Gautami Power Ltd	GT -1 GT- 2 ST	145 145 174	09/2003	02/2006 02/2006 07/2006	Slipped	
4	Konaseema CCPP	AP/Konaseema EPS	GT-1 GT-2 ST	140 140 165	03/2001	10/2005 03/2006 03/2006	Slipped	
5	Pathadi TPS Ph-I (Lanco - Amarkantak Mega TPP)	Chattisgarh/ Lanco Amarkantak Power Pvt. Ltd.	U-1	300	05/2005	09/2008	Slipped	
6	Trombay TPS Extn.	Maharashtra/ Tata Power Co	U-8	250	06/2006	08/2008	26.03.09(A)	250
7	Torangallu Extn.	Karnataka/ JSW Energy Ltd	U-1 U-2	300 300	07/2006	12/2008 01/2009	Slipped	
		Sub Total (C)		3437				882.5
	GRAND TOTAL(A+B+C)			9304.2				2484.7

- Capacity has been revised from 376 to 382.5 MW.

2.2 THERMAL UNITS PROGRAMMED FOR COMMISSIONING DURING 2009-10

Sl No	Project Name/ Unit No.	State/ Impl. Agency	Targeted Cap. (MW)	LOA Date	Org. Comm. Date	Cap. (MW) Achieved	Anticipated/Actual Date of Comm.
I	COMMISSIONING ASSURED						
A	CENTRAL SECTOR						
1	Kahalgaoon STPS-II (Ph-I & II) U-7	Bihar/ NTPC	500	03/2004	07/2007	500	31.07.09(A)
2	Bhilai Extn. TPP U-2	Chhattisgarh / NSPCL (NTPC & SAIL JV)	250	03/2009	10/2008	250	12.07.09(A)
3	Chandrapura TPS Extn U- 7 U- 8	Jharkhand / DVC	250 250	06/2004	02/2007 04/2007	250 250	04.11.09(A) 31.03.10(A)
4	Barsingsar Lignit U-1	Rajasthan/ NLC	125	12/2005	12/2008		U-1 slipped to 2010-11
5	NCP Project St-II U-5	U.P/NTPC	490	07/2006	08/2010	490	29.01.10(A)
		Sub Total (A)	1865			1740	
B	STATE SECTOR						
1	Vijaywada TPP –IV U-1	AP/ APGENCO	500	07/2005	12/2008	500	08.10.09(A)
2	Kutch Lignite Extn U-4	Gujarat/ GSECL	75	01/2004	08/2006	75	01.10.09(A)
3	Surat Lignite TPP Extn. U-3	Gujarat/ GIPCL	125	03/2006	11/2008		U-3 slipped to 2010-11
4	Utran CCPP Extn GT ST	Gujarat/ GSECL	240 134	04/2007	06/2009 08/2009	240 134	08.08.09(A) 10.10.09(A)
5	Rajiv Gandhi TPS, Hissar U-1	Haryana/ HPGCL	600	01/2007	12/2009	600	Commissioned
6	New Parli TPP U-2	Maharastra/MSPGCL	250	08/2006	07/2009	250	10.02.10(A)
7	Paras TPS Extn. U-2	Maharastra/MSPGCL	250	08/2006	09/2009	250	27.03.10(A)
8	Chhabra TPS U-1	Rajasthan/RRVUNL	250	03/2006	11/2008	250	30.10.09(A)
9	Giral Lignit- II U-2	Rajasthan/RRVUNL	125	11/2005	08/2008	125	06.11.09(A)
10	Kota TPP U-7	Rajasthan/RRVUNL	195	06/2006	02/2009	195	31.08.09(A)
11	Suratgarh TPP –IV U-6	Rajasthan/RRVUNL	250	06/2006	09/2008	250	29.08.09(A)
12	Bakreshwar TPS-II U-5	WB / WBPCL	210	11/2004	09/2007	210	07.06.09(A)
		Sub Total (B)	3204			3079	
C	PRIVATE SECTOR						
1	Gautami CCPP GT -1 GT- 2 ST	AP/ Gautami Power Ltd.	145 145 174	09/2003	02/2006 02/2006 07/2006	145 145 174	03.05.09(A)
2	Konaseema CCPP GT-1 GT-2 ST	AP/Konaseema Gas Power Ltd.	140 140 165	03/2001	10/2005 03/2006 03/2006	140 140 -----	05/09(A) 05/09(A) ST : Slipping to 2010-11
3	Lanco Kondapalli Ext. Ph-II GT ST	AP/Lanco Konapalli	233 133	11/2007	03/2009 09/2009	233 -----	07.12.09(A) ST : Slipping to 2010-11
4	Lanco Amarkantak TPS (Pathadi) U-1 U-2	Chhattisgarh /L.A.P. Pvt.Ltd	300 300	05/2005 04/2006	09/2008 07/2009	300 300	04.06.09(A) 25.03.10(A)

Sl No	Project Name/ Unit No.	State/ Impl. Agency	Targeted Cap. (MW)	LOA Date	Org. Comm. Date	Cap. (MW) Achieved	Anticipated/A ctual Date of Comm.
5	Mundra TPP Ph-1 U-1 U-2	Gujarat/ Adani Power Ltd	330 330	06/2006	07/2009 10/2009	330 330	04.08.09(A) 17.03.10(A)
6.	Sugen CCPP Block-2 Block-3	Gujarat /Torrent Power Gen. Ltd.	382.5 382.5	06/2005	12/2007 02/2008	382.5 382.5	07.05.09(A) 08.06.09(A)
7	Torangallu Extn. U-1 U-2	Karnataka/ JSW Energy Ltd	300 300	07/2006	12/2008 01/2009	300 300	27.04.09(A) 24.08.09(A)
8	Sterlite TPP U-1	Orissa/ Sterlite Energy Ltd.	600	05/2006	07/2009	1577	Slipping to 2010-11
9	Jallipa-Kapurdi TPP U-1 U-2 U-3 U-4	Rajasthan/ Raj West Power Ltd (JSW)	135 135 135 135	03/2007	09/2009 01/2010 01/2010 03/2010	135 ----- ----- -----	16.10.09(A) U-2,U-3 & U-4 Slipping to 2010-11
10	Budge- Budge-III U-3	WB/ CESC	250	12/2006	07/2009	250	29.09.09(A)
		Sub Total (C)	5290			3987	
	TOTAL ASSURED (A+B+C)		10359			7956/ 9056	
II	COMMISSIONING WITH EFFORTS						
A	CENTRAL SECTOR						
1	Barsingsar Lignite U-2	Rajasthan/ NLC	125	12/2005	06/2009	----	Slipping to 2010-11
2	Mejia Extn. U-1	W.B/DVC	500	12/2006	03/2010	----	Slipping to 2010-11
		Sub Total (A)	625				
B	STATE SECTOR						
1	Kakatiya TPP U-1	AP/ APGENCO	500	07/2005	05/2009	-----	Slipping to 2010-11
2	Surat Lignit TPP Extn. U-4	Gujarat/ GIPCL	125	03/2006	04/2009		Slipping to 2010
3	Rajiv Gandhi TPS, Hissar U-2	Haryana/ HPGCL	600	01/2007	03/2010	-----	Slipping to 2010
4	Chhabra TPS U-2	Rajasthan/ RRVUNL	250	03/2006	02/2009		Slipping to 2010
		Sub Total (B)	1475			----/----	
C	PRIVATE SECTOR						
1	Rithala CCPP GT1	Delhi/ NDPL	35.75	05/2008	04/2010	-----	Slipping to 2010
	GT2	Delhi/ NDPL	35.75		05/2010	-----	Slipping to 2010
	ST	Delhi/ NDPL	36.50		07/2010	-----	Slipping to 2010
2	Jallipa-Kapurdi TPP U-5	Rajasthan/ Raj West Power Ltd (JSW)	135	03/2007	07/2010	-----	Slipping to 2010
3	Rosa TPP Ph-I U-1	UP/ Rosa Power supply Co. Ltd. (Reliance Energy)	300	03/2008	02/2010	300	10.02.2010(A)
		Sub Total (C)	543			300	
	TOTAL COMMISSIONING WITH EFFORTS (A+B+C)		2643			300	
	TOTAL (ASSURED+ WITH EFFORTS		13002			9106	

2.3 THERMAL UNITS PROGRAMMED FOR COMMISSIONING DURING 2010-11

Sl No	Project Name	Impl Agency	Unit No	LOA Date	Targeted Cap. (MW)	Org. Comm. Date	Commnd . Cap. (MW)	Actual/ Ant Comm. Date
A	CENTRAL SECTOR							
1	Barsingsar Lignite	NLC	U-2	29.12.05	125	06/2009	125	25.01.11(A)
			U-1		*	12/2008	125	28.06.10(A)
2	Indira Gandhi TPP	APCPL	U-1	07.06.07	500	09/2010	500	31.10.10(A)
3	NCP Project St-II,	NTPC	U-6	19.12.06	490	01/2011	490	30.07.10(A)
4	Mejia TPS Extn	DVC	U-1	12.12.06	500	03/2010	500	30.09.10(A)
			U-2		500	06/2010	500	26.03.11(A)
5	Durgapur Steel TPS	DVC	U-1	27.07.07	500	07/2010		Slipped
			U-2		500	11/2010		Slipped
6	Farakka STPS- III	NTPC	U-6	30.10.06	500	12/2010	500	23.03.11(A)
7	Korba STPP	NTPC	U-7	24.03.06	500	04/2010	500	26.12.10(A)
	Kodarma TPP	DVC	U-1	29.06.07	500	06/2010		Slipped
8	Neyveli TPS-II Exp.	NLC	U-1	19.08.05	250	02/2009		Slipped
9	Simhadri STPP Extn.	NTPC	U-3	26.03.07	500	03/2011	500	31.03.11(A)
10	Maithon RB TPP	DVC	U-1	25.10.07	525	10/2010		Slipped
			Total Central		5890		3740	
B	STATE SECTOR							
11	Pragati CCGT - III	PPCL	GT-1	30.05.07	250	03/2010	250	24.10.10(A)
			GT2		250	05/2010	250	16.02.11(A)
			GT-3		250	07/2010		Slipped
			ST-1		250	07/2010		Slipped
			GT-4		250	09/2010		Slipped
			ST-2		250	11/2010		Slipped
12	Surat Lignite TPP Extn.	GIPCL	U-3*	31.03.06	*	11/2008	125	12.04.10(A)
			U-4 *		*	04/2009	125	23.04.10(A)
13	Hazira CCPP Extn.	GSECL	GT	01.01.08	223	02/2010		Slipped
			ST		128	04/2010		Slipped
14	Pipavav CCPP	GSECL	Block-1	03.03.08	351	09/2010		Slipped
15	Rajiv Gandhi TPS,Hissar	HPGCL	U-2	29.01.07	600	03/2010	600	01.10.10(A)
16	Raichur U-8	KPCL	U-8	03.03.07	250	10/2009	250	26.06.10(A)
17	Chhabra TPS	RRVUNL	U-2 *	03.03.06	*	02/2009	250	04.05.10(A)
18	Kakatiya TPP	APGENC O	U-1	27.07.06	500	05/2009	500	27.05.10(A)
19	Rayalseema TPP St-III	APGENC O	U-5	06.02.07	210	10/2009	210	31.12.10(A)
20	Parichha Extn	UPRVUN L	U-5	28.06.06	250	06/2009		Slipped
			U-6		250	10/2009		Slipped
21	Harduaganj Ext	UPRVUN L	U-8	28.06.06	250	09/2009		Slipped
			U-9		250	01/2010		Slipped
22	Khaperkheda TPS Expn.	MSPGCL	U-5	01.01.07	500	06/2010		Slipped
23	Bhusawal TPS Expn.	MSPGCL	U-4	23.01.07	500	09/2010		Slipped
24	Santaldih TPP Extn Ph-II	WBPDC	U-6	23.03.07	250	08/2009		Slipped
25	Baramura GT Extn.	TSECL	U-5*		*		21	03.08.10(A)
			Total State		6012		2581	
C	PRIVATE SECTOR							
26	Konaseema CCPP	Konaseema gas Power Ltd.	ST	15.03.01	165	03/2006	165	30.06.10(A)
27	Lanco Kondapalli Ph-II (ST)	Lanco Kondapalli	ST	11/2007	133	09/2009	133	19.07.10(A)
28	Rithala CCPP	NDPL	GT-1	05/2008	35.75	04/2010	35.75	09.12.10(A)
			GT-2		35.75	05/2010	35.75	04.10.10(A)
			ST		36.5	07/2010		Slipped

29	Mundra TPP Ph-I(U-3&4)	Adani Power Ltd	U-3	03.01.07	330	04/2010	330	02.08.10(A)
			U-4		330	07/2010	330	20.12.10(A)
30	Mundra TPP Ph-II	Adani Power Ltd	U-5		*	06/2011	660	26.12.10(A)
31	Anpara-C	Lanco Anpara Power Pvt. Ltd.	U-1	15.11.07		02/2011		Slipped
32	JSW Ratnagiri TPP	JSW Energy(Ratnagiri) Ltd	U-1	05.10.07	300	03/2010	300	24.08.10(A)
			U-2		300	05/2010	300	09.12.10(A)
			U-3		300	07/2010		Slipped
			U-4		300	09/2010		Slipped
33	Wardha Warora	WPCL (KSK)	U-1*	15.05.07	*	03/2010	135	05.06.10(A)
			U-2 *		*	05/2010	135	10.10.10(A)
			U-3 *		*	07/2010	135	13.01.11(A)
34	Sterlite TPP	Sterlite Energy Ltd.	U-2(Ist Unit)	10.05.06	600	07/2009	600	14.10.10(A)
			U-1		600	01/2010	600	29.12.10(A)
35	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	U-2	03/2007	135	11/2009	135	08.07.10(A)
			U-3		135	01/2010		Slipped
			U-4		135	03/2010		Slipped
			U-5		135	07/2010		Slipped
			U-6		135	08/2010		Slipped
			U-8		135	12/2010		Slipped
36	Rosa TPP Ph-1	R. P.S Co.Ltd (Reliance)	U-2	06.03.07	*	06/210	300	28.06.10(A)
37	Udupi TPP	UPCL	U-1	24.12.06	507.5	04/2010	600	23.07.10(A)
			U-2		507.5	08/2010		Slipped
			Total -Private		5891		4929.5	
		Total for the year 2010-11			17793		11250.5	

Note - * Additional Units not included in the targeted capacity addition for the year 2010-11

3.0 10th PLAN SUMMARY

3.1 TOTAL CAPACITY ADDITION (MW) PROGRAMMED DURING 10TH PLAN (AS PER ORIGINAL TARGET)

SECTOR	THERMAL		HYDRO		NUCLEAR		TOTAL	
	ORG. T	ACHIV.	ORG. T	ACHIV.	ORG. T	ACHIV.	ORG. T	ACHIV.
CENTRAL	12790.00	6590.00	8742.00	4495.00	1300.00	1180.00	22832.00	12265.00
STATE	6676.00	3553.64	4481.00	2691.00	0.00	0.00	11157.00	6244.64
PRIVATE	5951.00	1970.60	1170.00	700.00	0.00	0.00	7121.00	2670.60
TOTAL	25417.00	12114.24	14393.00	7886.00	1300.00	1180.00	41110.00	21180.24

3.2 YEAR-WISE THERMAL CAPACITY ADDITION (MW) INDICATING ORIGINAL TARGETS VS ACTUAL ACHIEVEMENT DURING 10TH PLAN.

Year		CENTRAL SECTOR	STATE SECTOR	PRIVATE SECTOR	TOTAL
2002-03	Original Target	920	790.1	1792*	3502.1
	Actual Achievement	1210	665.1	348	2223.1
2003-04	Original Target	500	847.5	-	1347.5
	Actual Achievement	710	651.6	-	1361.6
2004-05	Original Target	710	1395	1630.6	3735.6
	Actual Achievement	2210	653.92	70	2933.92
2005-06	Original Target	3570	885	1309	5764
	Actual Achievement	500	428	660.8	1588.8
2006-07	Original Target	7090	2758	1219	11067
	Actual Achievement	1960	1155	891.8	4006.8
Total	Original Target	12790	6675.6	5950.6	25416.2
	Actual Achievement	6590.00	3553.64	1970.60	12114.24

- Includes Dabhol CCGT Ph.-II (1444 MW)

4.0 *THERMAL POWER PROJECTS UNDER CONSTRUCTION FOR COMMISSIONING DURING BALANCE PERIOD OF 11TH PLAN IN PRIVATE SECTOR*

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>LOA Date</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Act(A)/Ant. Comm. Date</i>
<u>CENTRAL SECTOR</u>						
AP	Simhadri STPP Extn.	NTPC	03/07	U-4	500	06/2012
Assam	Bongaigaon TPP		02/08	U-1	250	07/2012
				U-2	250	11/2012
				U-3#	250	03/2013
Chhattisgar	Sipat-I		04/04	U-2#	660	11/2011
				U-3#	660	05/2012
Haryana	Indira Gandhi TPP	APCPL	07/09	U-2	500	11/2011
				U-3	500	05/2012
Jharkhand	Kodarma TPP	DVC	06/07	U-2	500	06/2012
Maharashtra	Mauda TPP	NTPC	11/08	U-1#	500	05/2012
MP	Vindhyachal TPP-IV		01/09	U-11#	500	06/2012
TN	Neyveli TPS-II Exp.	NLC	08/05	U-1	250	09/2011
				U-2	250	05/2012
	Vallur TPP Ph I	NTECL	08/07	U-1	500	11/2011
				U-2	500	05/2012
UP	Rihand TPP- III	NTPC	01/09	U-5#	500	10/2012
WB	Durgapur Steel TPS	DVC	07/07	U-2	500	01/2012
	Raghunathpur TPP, Ph-I		12/07	U-1	600	06/2012
				U-2	600	12/2012
Sub Total :					8770	
<u>STATE SECTOR</u>						
Assam	Lakwa Waste Heat Unit	APGCL	03/06	ST	37.2	12/2011
	Namrup CCGT		02/09	GT#	70	05/2013
				ST#	30	05/2013
Delhi	Pragati CCGT - III	PPCL	05/08	GT-3	250	01/2012
				GT-4	250	06/2012
				ST-1	250	12/2011
				ST-2	250	08/2012
Gujarat	Hazira CCGT Extn.	GSECL	01/08	GT+ST	351	10/2011
	Pipavav CCGT		03/08	Block-1	351	05/2012
				Block-2	351	10/2012
	Ukai TPP Extn.		09/07	U-6	490	06/2012
Karnataka	Bellary TPP St-II	KPCL	08/06	U-2	500	12/2011
Maharashtra	Bhusawal TPS Expn.	MSPGCL	01/07	U-4	500	10/2011
				U-5	500	06/2012
MP	Satpura TPP Extn	MPPGCL	03/08	U-10#	250	10/2012
TN	Mettur TPP Ext	TNEB	06/08	U-1	600	11/2011

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>LOA Date</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Act(A)/Ant. Comm. Date</i>
TN	North Chennai Extn, U-1	TNEB	02/08	U-1	600	06/2012
	North Chennai Extn, U-2		08/08	U-2	600	08/2012
UP	Anpara-D	UPRVUNL	10/07	U- 1#	500	06/2012
	Harduaganj Ext		06/06	U-8	250	09/2011
				U-9	250	02/2012
	Parichha Extn			U-5	250	05/2012
				U-6	250	08/2012
Sub Total :					7730.2	
<u>PRIVATE SECTOR</u>						
Delhi	Rithala CCPP	NDPL	05/08	ST	36.5	09/2012
Gujarat	Mundra TPP Ph-III	Adani Power Ltd	01/08	U-1	660	11/2011
				U-2#	660	07/2012
				U-3#	660	11/2012
	Mundra UMTTP	Tata Power Co.	05/07	U-1	800	10/2011
				U-2#	800	05/2012
Jharkhand	Maithon RB TPP	DVC	10/07	U-2	525	01/2012
Maharashtra	JSW Ratnagiri TPP	JSW Energy(Ratnagiri) Ltd	05/07	U-4	300	09/2011
	Tirora TPP Ph-I	Adani Power Ltd	02/08	U-1	660	10/2011
				U-2#	660	05/2012
	Tirora TPP Ph-II			U-1#	660	05/2012
MP	Sasan UMPP	Reliance Power Ltd.	06/08	U-1#	660	12/2012
Orissa	Sterlite TPP	Sterlite Energy Ltd.	05/06	U-4#	600	01/2012
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	03/07	U-3	135	12/2011
				U-4	135	03/2012
				U-5	135	07/2012
				U-6	135	09/2012
				U-7	135	11/2012
				U-8	135	01/2013
UP	Anpara-C	Lanco Anpara Power Pvt. Ltd.	11/07	U-1	600	11/2011
				U-2	600	10/2011
	Rosa TPP Ph-II	Reliance Power Ltd.	03/08	U-3#	300	04/2012
				U-4#	300	07/2012
Sub Total :					10291.5	
Total (11thPlan):					26791.7	

REMARKS:

: THERMAL UNITS WHERE EFFORTS ARE REQUIRED FOR COMMISSIONING DURING 11TH PLAN.

CENTRAL SECTOR

**BROAD STATUS OF CENTRAL SECTOR THERMAL POWER PROJECTS
(NATIONAL THERMAL POWER CORPORATION)**

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (com.)	COD	Syn. (com)	COD	
PROJECTS UNDER CONSTRUCTION							
1.	Simhadri STPP St-II NTPC (Distt Visakhapatnam,A.P.) Unit-3 Unit-4 Investment Approval Sanctioning Authority Estimated cost Now Anticipated Expd. during 2006-2007. Expd. during 2007-2008. Exp. During 2008-2009 Exp. During 2009-2010 Exp. During 2010-2011 (upto 03/11) Exp. During 2011-2012 (upto 05/11) Type of Fuel Date of Main Plant Order Zero Date Fuel Linkage Associated Transmission System	1000 500 500 : 01.08.2007 : NTPC Board : Rs 510339 Lakhs : Rs 503853 Lakhs : Rs 27398 Lakhs : Rs 17306 Lakhs : Rs 109906 Lakhs : Rs 142964 Lakhs : Rs 89426 Lakhs : Rs 8600 Lakhs : Coal SG: 26/ 03/2007 on M/S BHEL TG: 30/03/2007 on M/S BHEL : 30/ 03/2007 : LOAs issued by MCL for both the units @ 2.31 MTPA each. : Associated transmission system is being implemented by POWERGRID, and consists of Simhadri-Gazuwaka (Vizag) 400KV D/C line (App. 9Km). NIT for the same has been issued in May , 2009 and award is expected by Sept., 2009.	<u>11/10</u> 01/11 <u>05/11</u> 07/11	03/11 09/11	<u>03/11(A)</u> <u>03/11(A)</u> <u>02/12</u> 03/12	09/11 (A) 04/12	CHP – (M/s L&T) Ready. Chimney–(M/s Gammon- India) Ready. NDCT-(M/s Gammon India) Raker Column casting completed. Shell casting for both units completed. <u>CW & Make up water system:</u> RCC for CW channel completed and charged. CW liner erection in progress. CWPB structural erection & EOT crane erection completed. <u>Unit-3</u> • Boiler erection commenced in 01/08. • Boiler Drum lifted on 29/11/08. • Hydraulic test completed on 29.11.009. • Boiler light up completed on 28.09.10. • SBO completed on 28.01.11. • Condenser erection commenced on 21/03/09. • TG erection commenced in 06/09. • TG box up completed on20.12.10. • TG lub oil flushing completed on 20.02.11. • TG put on barring gear on 16.03.11. • Unit synchronized on coal on 29.03.2011. • Full load achieved on 31/3/2011. • Unit declared on COD wef 16/09/2011. <u>Unit-4</u> • Boiler erection commenced in 06/08. Out of 24000 MT of boiler material, 16264 MT have been erected upto 05/11. • Out of 8500 MT of ESP material, 5819 MT have been erected upto 05/11. • Boiler drum lifted on 24/03/09. • Hydraulic test completed on 31st March'2010. • Boiler light up expected by Nov'11. • Condenser & TG erection re-commenced in 04/11 and in progress. Condenser : TSP alignment done. LP Girder placement expected in Sep-11. Turbine : HPT module placed and work on IPT started. • TG box up expected by Dec'11.
	Critical Areas	Finalisation of programme for TG box-up & Synch., readiness of RH bunker building, completion of BC bay floors, Completion of P-91 joints, completion of Blr ducting for U-4.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. comm	COD	Syn. comm	COD	
2	Vallur TPP St-I Ph-I (JV of TNEB&NTPC Ltd) Tamil Nadu Energy Co. Ltd. (NTECL) (Distt Thiruvallur ,TN.) Unit-1 Unit-2 Investment Approval Sanctioning Authority Estimated cost Latest approved cost Expd. during 2005-2006. Expd. during 2006-2007. Expd. during 2007-2008. Expd. During 2008-2009 Expd. During 2009-2010 Expd. During 2010-2011 (up to 03/11) Expd. During 2011-2012 (up to 08/11) Type of Fuel Date of Main Plant Order Zero Date Fuel Linkage Asso.Transmission system	1000 500 500	 <u>11/10</u> 01/11 <u>05/11</u> 07/11	 02/11 08/11	 <u>10/11</u> 11/11 <u>01/12</u> 02/12	 12/11 03/12	• Chimney: U-2 flue can erection completed. • CHP: Intl & extnl. Piling& fdns in progress. • External CHP: Structural erection in progress. Coal pipe erection in progress.LHS bunker erection in progress.RHS bunker shell erection completed and hopper erection in progress. • AHP: Bottom ash hopper fill test completed, • Power House (Main Plant): Fabrication & erection of structure in progress. DM Plant: one tank erected and other one in progress. Desalination plant erection works in progress. • IDCT: Cooling fans, gear box and motors alignment In progress. • CWPH: Structural work, CW duct erection & channel work in progress. • LDO system commissioned.HFO line hydro test completed. <u>UNIT-1</u> ▪ Boiler erection commenced on 05.01.09. 18785/20488 MT boiler material erected up to 08/11. • ESP erection commenced on 25/03/09.Out of 12587 MT of ESP material, 9871MT has been erected up to 08/11.CR panel erected. • Boiler Drum lifted on 10/06/09. • Ducting completed, NMEJs erection& alignment, insulation and pourable insulation in progress. • HT: completed on 14/06/10. • BLU: Completed on 28/08/2011. • SBO expected to be completed by Sept' 11. • Condenser erection started on 23.09.09. Condenser tube insertion completed. • TG: erection started in 12/09. HP, IP, LT & CC pumps erection in progress. Generator received at site on 06.08.2011.Stator erected and alignment in progress. • Box-up expected in Sept 11. <u>UNIT-2</u> • Boiler Erection commenced on 18/ 07/09. 16507/20488 MT boiler material erected up to 08/11. Ducting work in progress. • ESP erection commenced in 08/09. 6376/12578 MT material erected up to 08/11.Ducting, electrode fixing in progress. • Boiler Drum lifting done in 12/09. • HT Completed in Dec. 10 • BLU expected in Sept' 11. • LP & HP heaters erected & Deaerator erection in progress. • Condenser erection started in 09/10. • TG erection started in March' 11.TG floors casting in progress. Generator rotor received. • Box-up expected by 12/11.
Critical Areas		Readiness of Inplant CHP,CW Ducting, Critical Piping .DM Plant, Raw water.					

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. Comm.	COD	Syn. Comm.	COD	
3	Vallur TPP St-I Ph-II (JV of NTPC-TNEB), NTECL. (Distt Thiruvallur ,TN.) Unit-3	500 500	 <u>09/12</u> 11/12	 12/12	 <u>10/12</u> 12/12	 12/12	• MOEF: Clearance obtained on 03.06.09 • CRZ : clearance obtained on 14.07.09 • Chimney: 210 mtr shell concreting completed upto 08/11. Flue can fabrication in progress. • Concreting , fabrication & erection of structure in progress in Main Plant area . • Blr erection started on 30.06.10. 4207/20000 MT material erected up to 08/11. • Drum lifted on 29/07/11. • HT expected in Dec'11. • ESP column erection started in Dec. 2010. 2425/9000 MT erected upto 08/11. • Cond. Erection start expected by 10/11. • TG deck Columns, beams and condenser wall concreting works in progress. • TG erection to start in 11/11. • BOPs packages included under Ph-I.
Investment Approval Sanctioning Authority Estimated cost Latest approved cost Expd. During 2008-2009 Expd. During 2009-10 Expd. During 2010-11 (upto 03/11) Expd. During 2011-12 (upto 06/11) Type of Fuel Date of Main Plant Order Zero Date Fuel Linkage Asso.Transmission system		: 05/2009 : NTECL Board : Rs 308678 Lakh : Rs 308678 Lakh : Rs – Nil - : Rs 21378 Lakh : Rs 17662 Lakh : Rs 2701 Lakh : Coal (MCL coal fields) : 28.07.2009 (SG &TG) on M/S BHEL : 28/ 07/2009 : In principle clearance received from Min. of coal For Ph-II : PGCL is to execute the following transmission lines through M/s Bajaj a) VTPP – Almathi 400KV D/C line b) VTPP – Melakottaiyur 400KV D/C line TNEB is to execute the following transmission line : VTPP – NCTPS (TNEB) 400KV D/C line					
Critical Area		1.Supply of 3 nos roof headers & windbox(ant by Aug11, critical for HT) 2.Manpower augmentation by BHEL required for expediting the work of pressure parts.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com	COD	
4.	Sipat STPP St-I (Super Critical Units) (Dist. Bilaspur, Chhattisgarh)	1980					Unit-1 1. Boiler erection commenced in 3/05. 2. Boiler HT completed in 12/06. 3. BLU completed on 26.10.10. 4. SBO completed in 01/11. 5. Condenser erection started in 6/06. 6. TG erection started in 10/06 & TG Box Up completed in 01/10. 7. TG oil flushing completed in 12/10. 8. TG put on BG in 12/10. 9. GT back charging completed on 23.10.10. 10. Synch. With coal on 18.02.11. 11. After repair of Rotor unit re-synchronised on 27.06.11 and running at 340 MW. 12. Full load achieved on 28.06.11. Unit-2 1. Boiler erection commenced in 6/05. 2. Boiler HT completed in 7/07. 3. BLU is completed in 12/10. Acid cleaning completed on 09.06.11. 4. SBO completed on 31/07/11. 5. TG erection started in 06/07 and Box up completed on 31.01.11. 6. TG lube oil flushing commenced from 3.8.11. Jacking Oil piping ready & Control fluid ppg to be completed by 25.8.11 as balance cannibalized items are expected at site by 20.8.11. Oil flushing completion is expected in 08/11. 7. TG deck floating expected by Aug'11. 8. TG on BG is expected in 08/11. 9. AHP made ready on 30.08.2011. 10. CHP made ready on 31.08.2011. Unit-3 1. Boiler erection commenced in 1/06. 2. Boiler HT completed in 02/09. 3. BLU completed on 26/08/11. 4. SBO expected to complete by Nov'11. 5. Condenser erection started in 5/07. 6. TG erection started in 4/08. 7. TG box up completed on 30/08/11. 8. Oil-Flushing expected to be completed in Oct'11.
	Unit-1	660	04/08 10/10* 09/08/ 03/11*	10/08	02/11 (A) 06/11 (A)	08/11	
	Unit-2	660	02/09 04/11* 07/09/ 07/11*	08/09	09/11 09/11	09/11	
	Unit-3	660	12/09 10/11* 05/10/ 12/11*	06/10	12/11 03/12	03/12	
	Date of TEC	: 17.01.2000					
	Investment Approval	: December'03					
	Date of Approval by State Govt	: N.A.					
	Original Estd. Cost	: Rs.832339 Lakhs					
	Latest cost.	: Rs. 832339 Lakhs					
	Exp. Upto 03/08	:Rs 464232 Lakhs					
	Exp. Upto 03/09	:Rs 600118 Lakhs					
		:Rs. 74805 Lakhs					
	Exp. During 09-10						
	Exp. During 10-11	:Rs. 34277 Lakhs					
	(Upto 03/11)	:Rs. 6200 Lakhs					
	Exp. During 11-12						
	(Upto 05/11)						
	Type of fuel	: Coal					
	Fuel Linkage	: Available					
	Date of Main Plant Order	TG: M/s Power Machines, Russia on 6.4.04 : SG: M/s Doosan Heavy Ind., Korea on 15.4.04)					
	Power Evacuation System: Existing Transmission Lines.						
	Critical Areas	Unit -2 : Temp elements- 2nd lot dispatched & bal by mid Aug11; Cannibalization items supply i/p & bal compln by mid Aug11. DDC/Personality modules, etc, to be progressively supplied by end Aug11. Unit-3: Repair of LP Rotors completed. IPT diaphragms (7 nos), Brg no-3, etc are being diverted from NTPC Barh for Unit-3 .					
	*REVISED						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com)	COD		
5.	Mauda TPP (Dist. Nagpur, Maharashtra)	1000					1.Main plant order (BTG) placed on BHEL in 11/08. 2.Zero Date of the project is 11/08. 3.All clearances are available. 4.Site leveling work commenced on 11.12.08 and completed in 02/09. Unit-1 Boiler 1. Boiler erection started in 08/09. 2. ESP erection started in 12/09. 3. Boiler drum lifting completed on 02.06.10. 4. Boiler HT completed on 08/04/11. 5. Boiler light up expected in Nov’11. TG 1. TG erection started in 10/10. 2. TG box up is expected in 11/11. Unit-2 Boiler 1. Boiler erection started on 30. 04.10. 2. Boiler drum lifting completed in 12/10. 3. Boiler hydro test expected in 10/11. TG 1. Condenser erection started on 27.06.11. 2. TG erection start is expected in 08/11. 3. TG box up expected in June’12. <u>BOPs</u> 1. Chimney raft casting completed. Shell casting in progress. 2. CWPH raft casting completed. Other works are in progress. 3. Cooling Tower: CT-1A, 1B, 2A & 2B, Aux CT raft & super structure works in progress.	
	Unit-1	500	02/12 04/12	04/12	02/12 04/12	04/12		
	Unit-2	500	08/12 10/12	09/12	10/12 11/12	11/12		
	Date of TEC	: Not required						
	Investment Approval	: 11/07						
	Est. approved cost	: Rs. 545928 Lakhs						
	Exp. Upto 03/09	: Rs. 45520 Lakhs						
	Exp. During 09-10	: Rs 59540Lakhs						
	Exp. During 10-11 (Upto 03/11)	: Rs 134040 Lakhs						
	Exp. During 11-12 (Upto 04/11)	: Rs 5800 Lakhs						
	Type of fuel	: Coal						
	Fuel Linkage	: Available						
	Date of Main Plant Order(LOA)	: 11/08 on M/s BHEL(BTG)						
	Power Evacuation System:							
	Critical Areas		Supply of HP Turbine ant Aug11 (Sch: May11), IP Turbine ant Aug11 (Sch: Apr11), Generator being diverted from Jhajjar ant Aug11 (Sch Apr11)					

Sl. No.	PROJECT DETAILS	Capacity (MW)		Commissioning Schedule				Broad Status
				Original		Actual(A) / As now Expected		
				Syn. (com.)	COD	Syn. (com)	COD	
6.	Rihand STPP St-III (Distt. Dadri, UP)	1000						- Order for civil works in BTG area & Chimney placed on M/s Simplex in June, 09 - CW equipment package awarded to M/s KBL - PT plant awarded to M/s MBE - Switchyard awarded to M/s L&T - FO system awarded to M/s Raunaq - Cooling Tower awarded on NBCC - CHP awarded on F. L. Smidth - C&I equipment order placed. - AHP order placed in May, 2010 unit-5: - Order for piling & foundation placed in June, 09 & civil works of foundation completed in October, 09 - Fabrication of Structural Steel commenced in September, 09 - Boiler erection commenced on 07.02.2010. - Boiler drum lifted on 06.08.10. - Boiler Hydro Test completed in 06/11. - Boiler light-up expected by Jan’12. - Condenser erection commenced in 09/10. - TG erection commenced in 11/10. - TG box-up expected in 01/12. IPT ant Aug11 (Sch: Apr 11), Generator ant Sep11 (Sch May11), HP turbine ant Jul-11 (Sch Jun11). BHEL to finalize transportation plan for stator. unit-6: - Order for piling & foundation placed in June, 09 & civil works for foundation commenced in October, 09 - Boiler erection commenced in 04/10. - Boiler drum lifted on 22.01.11. - Boiler HT expected in 12/11. - TG deck casting completed. - Condenser erection commenced on 24.05.11. - TG erection commenced on 29/ 07/11. - TG box-up expected by July’12.
U-5	500	04/12 06/12	05/12	04/12 06/12	07/12			
U-6	500	10/12 12/12	11/12	10/12 12/12	01/13			
Date of Sanction	:-							
Investment Approval	:- January, 2009							
Sanctioning Authority	:- NTPC Board							
Est. approved cost	:- Rs.623081 lakhs							
Exp.During 2007-08	:-Rs.30 Lakhs.							
Exp.During 2008-09	:-Rs.28500 Lakhs.							
Exp.During 2009-10	:-Rs.34370 Lakhs.							
Exp.During 2010-11	:- Rs 109700 lakhs							
Exp.During 2011-12 (Upto 05/11)	:-Rs 12200 lakhs							
Type of fuel	:- Coal							
Fuel linkage								
Date of Main Plant Order (BTG)	01/2009 (BHEL) –SG & Aux. 02/2009 (BHEL) –TG & Aux.							
Power Evacuation								
Critical Areas	TG:Action taken for shifting of IPT (ant Aug11, Sch: Apr 11)/HPT (ant Aug11, Sch Jun11) from Jhajjar. Transportation has commenced. Generator from Hardwar (Ant Aug11 , Sch May11). SG : Supply of material for PA & FD Fans, balance duct material, HFO, LFO & Burner skids (BHEL Trichy), Critical Piping Material (BHEL PC-Chennai) are critical for BLU (Target:Nov11)							

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (com.)	COD	Syn. (com)	COD	
7.	Vindhyachal STPP St-IV,Unit-11 &12 (Dist. Sidhi) NTPC	1000					• BTG awarded on BHEL • CHP award is yet to be placed. • Chimney- Piling work completed. • Cooling Tower package order placed on NBCC in 1/10.
	Unit-11	500	<u>04/12</u> 08/12	09/12	<u>03/12</u> 03/12	04/12	Unit-11 • Boiler erection started in 03/10. • Boiler drum lifted in 6/10. • Boiler HT done in 6/11. • Condenser erection started in 10/10. • TG erection started in 12/10. • Box up is expected in 11/11.
	Unit-12	500	<u>10/12</u> 02/13	03/13	<u>10/12</u> 12/12	01/13	Unit-12 • Boiler piling work completed in 3/10. • Boiler erection started in 06/10. • Boiler drum lifted in 1/11. • Boiler HT is expected in 11/11. • TG erection started in 7/11.
	State Govt. approval						
	Org Est. approved cost	: Rs. 591500 Lakhs					
	Latest Cost	: Rs. 591500 Lakhs					
	Exp.(up to 3/09)	: Rs. 28980 Lakhs					
	Exp. During 2009-10	: Rs 43290 Lakhs					
	Exp. 2010-11	: Rs 115430 Lakhs					
	Exp. During 2011-12 (up to 5/11)	: Rs. 9000 lakhs					
	Cumulative Exp (up to 5/11)	: Rs.196700 lakhs					
	Type of fuel	: Coal					
	Date of Main Plant Order	SG & Aux. awarded in 1/09 & TG &Aux awarded in 2/09 on M/s BHEL					
		Generator and TG supplies .					
	Critical Areas						

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			<u>Syn. Com</u>	COD	<u>Syn. Com</u>	COD	
8	Bongaigaon TPS, Distt: Kokrajhar. (Assam) NTPC	750					Unit-1: - Boiler Erection started on 27/02/09. - Drum lifted on 25/01/2010. - Hydro test done in 1/2011. - BLU expected in 12/11. - Condenser erection started in 02/2010 - TG erection started in 3/11. - Box up is expected by 2/12. Unit-2: - Boiler Erection started on 10th March., 2010. - Drum lifted in 10/2010. - Hydro test expected in 09/2011. - Condenser erection expected to start by 02/2012. Unit-3: - Boiler Erection expected to start by 11/11. - Condenser erection expected to start by 10/12.
	U#1	250	<u>11/10</u> 01/11	-	<u>5/12</u> 07/12	08/12	
	U#2	250	<u>03/11</u> 05/11	-	<u>04/13</u> 06/13	07/13	
	U#3	250	<u>07/11</u> 09/11	-	<u>07/13</u> 10/13	11/13	
	Date of approval		: 30/01/2008				
	Org.Est. cost		: Rs.437535 Lakhs				
	Latest cost		: Rs.437535 Lakhs				
	Exp. During 2007-08		: Rs. 23831 Lakhs				
	Exp. During 2008-09		: Rs. 16046 lakhs				
	Exp. During 2009-10		: Rs 70923 lakhs				
	Exp. During 2010-11		: Rs 96400 lakhs				
	Exp. During 2011-12 (up to 5/11)		: Rs 11400 lakhs				
	Cumulative Exp (up to 5/11)		: Rs 218600 lakhs				
	Type of fuel		: Coal				
	Date of Main Plant Order		: 05/02/08 , BHEL				
	Coal Source and Transportation :		<u>Source of Coal & Transportation</u> : 2/3 of required Coal will be transported from Margarita- Makuma mines of NECL (Upper Assam). Rest 1/3 will be supplied by ECL mines in Raniganj area of West Bengal. Coal will be transported using Railway wagons by BOBR.				
	Power Evacuation:		1. 400KV BTPS(NTPC)- Bongaigaon (PG) D/C Line 2. 220 KV BTPS(NTPC)- Bongaigaon (Assam) D/C Line				
	Critical Areas	Slow progress on civil front by M/s SPML. Law and order. Inadequate deployment of manpower. Heavy rains					

			<u>Syn.</u> <u>comm</u>	<u>COD</u>	<u>Syn.</u> <u>comm</u>	<u>COD</u>	
9	Indira Gandhi STPP (Aravali Power Co. Pvt. Ltd-- JV of NTPC, HPGCL and IPGCL) (Dist: Jhajjar)	1500					1. JV of NTPC (50%). IPGCL (25%) & HPGCL (25%) formed for execution of the project. 2. LOI placed for SG on 06.07.2007 & TG on 14.07.2007 on M/s BHEL respectively. Unit-1 Synchronised on 10.10.10 & commissioned on 31.10.10. Unit-2 Boiler erection started on 30.11.08. Drum lifted on 09.04.09. HT completed in 04/10. BLU completed on 29.5.11 & SBO on 11.08.11. TG deck casted. TG erection started on 10.01.10. Box up completed in 4/11. Oil Flushing. is in progress. Unit-3 Boiler erection started on 19.03.09. Boiler drum lifted on 12.11.09. HT completed in 04/11. BLU expected in 11/11. TG deck casting completed on 14.02.10. TG erection started but progress is very slow. CT-2&3 shell casting completed. Internal Grillage work is in progress.
	U-1	500	<u>07/10</u> <u>09/10</u>	10/10	<u>10/10(A)</u> <u>10/10(A)</u>	(A)	
	U-2	500	<u>10/10</u> <u>12/10</u>	01/11	<u>09/11</u> <u>11/11</u>	-	
	U-3	500	<u>01/11</u> <u>03/11</u>	04/11	<u>04/12</u> <u>05/12</u>	-	
	Date of Sanction	:-					
	Investment Approval	:-					
	Sanctioning Authority	: NTPC Board					
	Orig. Est. Cost	:Rs.829300 Lakhs					
	Latest.Est. Cost	:Rs.789242 Lakhs					
	Cum. Exp. Upto 03/09	: Rs.237031 Lakhs					
	Exp.During 2006-07	: Rs 31 Lakhs					
	2007-08	:Rs. 108000 lakhs					
	2008-09	:Rs. 128900 lakhs					
	2009-10	:Rs. 227300 lakhs					
	2010-11	: Rs 8793 lakhs					
	(up to 04/2010)						
	Type of fuel	: Coal					
	Funding	:					
	Date of Main Plant Order	: SG on 06.07.2007 & TG on 14.07.2007 on M/s BHEL.					
	Critical Areas	3. U-2: Completion of balance work of tripper conveyor. Balance front of TP-8&9 for CHP erection. AHP Balance work of wet ash collection system such as HP/LP piping, grinders etc. U-3:TG- i) TG erection to be expedited. ii) CW duct erection. iii) Flue gas ducting. iv) Readiness of oil canal and VFD control room.					

**BROAD STATUS OF CENTRAL SECTOR THERMAL POWER PROJECTS
(DAMODAR VALLEY CORPORATION)**

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
1	Durgapur Steel TPP, Andal, Distt-Burdwan, West Bengal State	1000					Leveling & Earth filling work of both units completed. <u>Unit-1:</u> Boiler erection started on 24.10.2008. Boiler drum was lifted on 29.04.09. HT completed on 30th March’10. BLU completed on 27.02.11. TG Deck casting completed. TG erection started in Jan’10. TG boxed up on 12.09.10..Unit was synchronized on 12.07.11and achieved full load on 29.07.11 <u>Unit-2</u> Boiler erection started in Dec’08. Boiler drum was lifted on 09.07.09. HT was done on 28.12.10. BLU is expected in Oct.,11. TG erection is started on 27.07.10. TG box up expected in 10/11. Unit synchronisation and commissioning is expected by 12/11 & 01/12 respectively.
	Unit-1	500	<u>06/10</u> 07/10	07/10	<u>07/11(A)</u> <u>07/11(A)</u>		
	Unit-2	500	<u>10/10</u> 11/10	01/11	<u>12/11</u> 01/12		
	Zero Date of Project : 03.08.2007						
	Main Plant order Date : 27.07.2007 on BHEL						
	Estd. cost : Rs.445700 Lakhs						
	Exp. During 2006-07 : Rs 32.19 Lakhs						
	Cumul. Exp. 2006-07 : Rs 32.19 Lakhs						
	Exp. During 2007-08 : Rs 38732.00 Lakhs						
	Cumul. Exp. 2007-08 : Rs 38764.19 Lakhs						
	Exp. During 2008-09 : Rs 122058.00 Lakhs						
	Cumul. Exp. 2008-09 : Rs 160822.19 Lakhs						
	Exp. During 2009-10 : Rs 107464.00 Lakhs						
	Cumul. Exp. 2009-10 : Rs 268286.19 Lakhs (Jan_10)						
	Critical Areas		Unit-2: Supply of balance material, Ash pond work yet to be taken up due to non availability of land from DSP. Shortage of Man power.				

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
2.	Koderma TPP St-I, TPS- Jai Nagar, Distt-Koderma, Jharkhand State Unit-1	1000					Unit-I 1) Boiler erection started on 15.09.2008. Drum was lifted on 08.03.09. Boiler hydro test was completed on 7th Mar'10.Boiler light up completed on 30 th Dec, 10. 2) TG – Concreting of TG Deck completed on 22.10.09. Condenser & TG erection started in Jan'10 and Feb'10 respectively. TG boxed up on 7.1.11. Unit synchronized on 27/6/11 and commissioned on 20.07.11. Unit-2 1) Boiler erection started in Jan'09. Drum was lifted on 09.07.09. Boiler hydro test completed in Sept'10. Boiler light up is expected in Oct'11. 2) TG : TG deck casting completed. TG erection started in 06/11. TG box up expected in 12/11 Synchronisation expected in 02/12 and commissioning in 03/12. 3) NDCT-II : Shell casting is in progress. It needs to be expedited. 4) CHP : Work is almost complete by L&T.
		500	05/10 06/10	06/10	06/11(A) 07/11(A)		
		500	09/10 10/10	10/10	2/12 3/12		
	Investment approval. : 09.06.2004 (DVC Board)						
	Estimated cost : Rs.431300 Lakhs						
	Exp. During 2006-07 : Rs 2529.17 Lakhs						
	Cumul. Exp. 2006-07 : Rs 2529.17 Lakhs						
	Exp. During 2007-08 : Rs 27556.17 Lakhs						
	Cumul. Exp. 2007-08 : Rs 30085.17 Lakhs						
	Exp. During 2008-09 : Rs 113894.00 Lakhs						
	Cumul. Exp. 2008-09 : Rs 143979.17 Lakhs						
	Exp. During 2009-10 : Rs 117510.00 Lakhs						
	Cumul. Exp. 2009-10 : Rs 261489.17 Lakhs (Jan_10)						
	Main Plant order Date : 29.06.2007 on BHEL(Turnkey)						
	Power Evacuation System: a) 400 KV D/C Koderma-Bihar Sharif Line –(160 Ckm) to meet the startup power of KTPP-avl by end of July'10.. b) D/C LILO of 132 KV Barhi-Koderma Line at 220 KV Koderma S/Stn-16.376 Ckm to meet the startup power. c) 400 KV D/C Koderma-Gaya Line 160 Ckm for the power evacuation of KTPP. Fuel Supply Arrangement: 4.62 MTPA Coal from MCL, and Saharpur Jamarpani Coal block jointly allocated to DSTPP & KTPP with proposed use with RTPP PH-I & II and before this MCL will supply coal. Zero Date of Project : 21.07.2007						
	Critical Areas		Unit-2 : Supply of CC Pumps by BHEL., Slow progress of Civil work by M/s Navyug. Land for ash pond. Readiness of intake well. Readiness of TPs between Boiler & ESP and erection conveyor galleries.				

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
3.	Raghunathpur TPP Ph-I ,Raghunathpur, Distt-Purulia, West Bengal	1200					1)The construction of boundary wall almost completed 2) Work for construction power &b diversion of 33 kV line is in progress. 3) The grading & leveling work of plant area is in progress. Unit-I 1) Boiler erection started on 16.04.09.. Drum lifting was completed on 29th Jan’10. HT is expected in 07/11. 2) TG Foundation: TG deck casted . TG erection is in progress. 3) ESP: Erection in progress. Unit-2 1) Boiler erection started in Sep’ 09. Drum lifting was completed on 2nd April’10. 2) Power house: All main fdn. including pedestal completed. 3) TG Deck-II Casting completed on 25-06-2010. 4) Mill & Bunker: All RCC pedestal for bunker -1A, 1B, 2A & 2B completed. All 4 Nos. mill fdn. Completed in 1B & 2A. 2 Mill fdn. out of 4 completed at 1A. 5) ESP foundation: Erection in progress. Common area: 1) Chimney- Shell casting completed. 2) Switchyard- Earth work completed. Structural erection is in progress. 3) Compressor building, canteen building, chemical laboratory, maintenance building and permanent store: RCC work almost completed. 4) Coal Handling Plant: Civil works are in progress. .
	Unit-1	600	09/10 10/10	11/10	* *		
	Unit-2	600	12/10 01/11	02/11	* *		
	Investment approval. : 30.04.2007 (DVC Board)						
	Estimated cost : Rs.412200 lakhs						
	Exp. During 2006-07 : Rs 40.92 Lakhs						
	Cumul. Exp. 2006-07 : Rs 40.92 Lakhs						
	Exp. During 2007-08 : Rs 39620.00 Lakhs						
	Cumul. Exp. 2007-08 : Rs 39660.92 Lakhs						
	Exp. During 2008-09 : Rs 18920.00 Lakhs						
	Cumul. Exp. 2008-09 : Rs 58580.92 Lakhs						
	Exp. During 2009-10 : Rs 116114.00 Lakhs						
	Cumul. Exp. 2009-10 : Rs 174694.92 Lakhs (January_10)						
	Main Plant order Date : 14.12.2007 on REL (EPC). BTG order placed on M/s Shanghai Electric Corporation China by REL						
	Zero Date of Project : 14.12.2007						
	Power Evacuation System: (i) S/C LILO of 400 KV Maithon(PG)-Ranchi(PG) D/C Line at RTPP- 24 Ckm to meet the startup power of RTPP. (ii) 400 KV D/C RTPP- Ranchi(PG) Line 301.18 Ckm for the power evacuation line expected to complete by August’ 10. Fuel Supply Arrangement: 1.76 MTPA Coal from BCCL, for Unit-1 only on tapering basis and rest will be taken from the Saharpur-Jamarpani Coal block jointly allocated to DSTPP & RTPP PH-I & II. *No dates indicated for these activities as there is no certainty due to resistance from local people in getting land for Rail and water corridor.						
	Critical Areas		Frequent stoppage of work by land losers & ITI students. Delay in land acquisition for Ash Pond, Rail and water Corridor. Slow erection work. Supply of ring headers for both units due to rejection of bottom ring headers by DD boiler inspector. Work of NDCT-I is stopped due to lesser reinforcement in shell wall. Adequate man power & resources. Delay in supply from SEC, China.				

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
III.	DVC & Tata Power, Joint Venture under Public Private Partnership programme:						
1.	<i>Maithon R/B TPP</i> (MPL – a JV Co. of DVC & Tata Power), PO-Nirsa Distt. Dhanbad, Jharkhand Unit-1 Unit-2	1050 525 525	 <u>09/10</u> 10/10 <u>03/11</u> 04/11	 12/10 06/11	 <u>03/11 (A)</u> <u>06/11(A)</u> <u>12/11</u> 01/12	 	

NEYVELI LIGNITE CORPORATION

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / As now Expected			
			Syn. Com m	COD	Syn. Comm	COD		
1.	Neyveli TPS-II Exp.* NLC (Distt. Cuddalore, TN.)	500					- Tata Consulting Engineers, Bangalore, appointed as project consultant. - Switch yard charged on 19.09.2009. CW system erection completed. PT plant, RO/DM plant is ready for commn Chimney and both CT completed. Startup power: made from 05-10-10. AHS: Ash handling system is ready for U-1, LHS works and Ash pipes erection is in progress for U-2. RO/DM plant commissioned in April, 2011. FP System: This system is in service.	
	U-1	250	11/08 02/09	02/09	05/11(A) 10/11	11/1 1	Unit-1 - Boiler erection commenced on 28.04.2007. - Boiler Drum lifted on 06.02.2008. - Pressure parts erection is in progress. 4720/4720 MT refractory work completed on 10.02.11 HT conducted on 27/ 06/2009. - Oil flushing activity completed. BLU done on 28-02-11. TG: Condenser and TG erection completed (04/10). TG taken on barring gear on 18/02/1. EDTA cleaning completed - Boxed up done in 01/10. ESP: works completed. Unit was synch on 18-05-11. Lignite firing done on 22.06.11. Re-synchronised on 27.06.11. Lignite transport feeder chocked. After modifying transport & extraction feeders, rotary air lock feeders and curtain air provision the unit was re-light up on 08-09-11 and synchronized & lignite fired on 10-09-11. Unit touched 150 MW, GT tripped on 18-09-11. The unit again tripped on 19-09-11 due to high pressure in condenser. The unit restarted on 21-09-11, but Boiler taken on shut down as super heater coil get punctured on 24-09-11. Unit-2 - Boiler erection commenced on 25.07.07 - Boiler Drum lifted on 31.05.2008. - Pressure parts, cyclones, FBHEs, fans and ducts erection in progress. 51128/56247 welding joints completed by 31-08-11. Refractory: (4630 MT) started on 02.4.11. 2860/4630 MT material erected by 20-09-2011. Completion up to 15-12-11. 1150/1400 MT insulation material erected HT: conducted on 30/ 07/2010. BLU: is expected on 10-01-12 - Condenser erection started on 16/ 06/09 TG: erection started in 06/09 Box-up: LP Turbine boxed up in 05/11 Turbine: LP Turbine case leveling is completed. Generator stator lifted & positioned ESP: Emergency electrodes erection completed in ‘B’ pass and to be started in ‘A’ pass. 2774/3089 MT material erected	
	U-2	250	03/09 06/09	06/09	03/12 04/12	05/1 2		
	Date of TEC	19.8.02						
	Date of Sanction	18.10.04						
	Sanctioning Authority	CCEA						
	Est. Approved Cost	Rs 203078 Lakh						
	Latest Cost.	Rs 245357 Lakh						
	Exp. during 2004-2005.	Rs 585 Lakh						
	Exp. during 2005-2006.	Rs 16175 Lakh						
	Exp. during 2006-2007.	Rs 25239 Lakh						
	Exp. during 2007-2008.	Rs 73489 Lakh						
	Exp. during 2008-2009	Rs 50789 Lakh						
	Exp. during 2009-2010	Rs 285.50 Lakh						
	Exp. during 2010-2011 (upto 12//2010)	Rs. 115.37 Lakh						
	Total Expenditure	Rs 2154.25 Crores (up to 31-03-11)						
	Type of Fuel	Lignit						
	Date of Main Plant Order	:19-08-2005 on M/S BHEL						
	Zero Date	:19-8-2005						
	Fuel Linkage : Lignite linkage for 4.5 MTPA is available from Neyveli Exp. Mine-II vide Min. of Coal & Mines letter No. 43011/3/2004-Lig/CPAM dt. 18.10.04. Associated Transmission System: PGCL is executing the following transmission line. Neyveli TS-II – Pugalur 400 kV D/C line charged on 19.09.2009.							
	Project slipped from 10th plan							
	Critical Areas	1. Shortage of HP Welders and Manpower 2. Refractory work 3. Supply of Lignite bunker material						

STATE
&
PRIVATE
SECTOR

NORTHERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN DELHI

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
I.	PROJECTS UNDER CONSTRUCTION STATE SECTOR						
1.	Pragati III Power Project, Bawana Pragati Power Corp. Ltd.,GENCO, (Delhi) Block-I GT-1 } GT-2 } 3x250 ST }	1500 750	<u>03/10</u> (3/10) <u>05/10</u> (5/10) <u>07/10</u> (7/10)		<u>04/10</u> 24/10/10(A) <u>2/11(A)</u> 2/11(A) <u>09/11</u> (10/11)	} 10/11	a) LOI issued to BHEL on 30.4.08. b) Contract signed on 30.5.08. c) Advance issued on 13.6.08. d) Civil works of raw water reservoir and CW pump house are in progress. e) GT-1&2 and HRSG foundations have been completed. i) GT#1 commissioned on 24/10/10 ii) GT#2 commissioned on 14/2/11
	Block-II GT-1 } GT-2 } 3x250 ST }	750	<u>07/10</u> (7/10) <u>09/10</u> (09/10) <u>11/10</u> (11/10)		<u>10/11</u> (11/11) <u>11/11</u> (12/11) <u>12/11</u> (02/12)	} 02/12	f) ST#1 lube oil flushing done. RO DM water reached at site for alkali boil out. STG# 1 ready for rolling by 25/09/2011 g) GT #3 Turbine and Generator on foundation. Generator Thread in completed. h) GT # 4 Reached at site
	Sanctioning Authority : Govt. of National Territory of Delhi Est. approved cost : Rs. 519581 lakhs Exp. during 2008-09 : Rs. 45238 lakhs Exp. during 2009-10 : Rs. 4938 lakhs(4/09) Total Expenditure : 1900 Crores (30/04/10) Type of fuel : Natural Gas Gas turbine : GE (9FE) Fuel Linkage : Gas has been ties up with GAIL, IOC & BPCL For 2 mmscms by each company . Date of Main Plant Order : M/s BHEL (30.5.2008) (Rs.349999 lakhs) (Turn-key) Power Evacuation System : At 400 KV level from existing Grid station of DTL.						
	Critical Areas	D M plant erection , Control room erection, GT#4 yet to reach at site, Delayed Civil Work in STG,BOP and Module 2 areas					

Last updated on 19/09/2011

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			<u>Syn.</u> (Com.)	COD	<u>Syn.</u> (Com.)	COD	
	Private Sector						
1.	Rithala CCPP, North Delhi Power Ltd., (Delhi) GT-1 GT -2 ST-1	108 108	06/09 07/09 08/09	08/09	20/11/10(A) 02/11(A) 9/11	9/11	- NDPL has procured a 108 MW CCPP of European manufacturer from Chongqing, China which has been dismantled and relocated at Delhi site. - MOE&F clearance obtained from SEIAA, NCT of Delhi on 24.04.09. - Gas transportation agreement signed with GAIL on 8.9.08 to supply gas from Ankot to project site. GTA with RIL to transport gas from KG basin to Ankot is yet to be signed.
Sanctioning Authority : Est. approved cost : Expenditure (upto 17/09/08) : Type of fuel : Fuel Linkage : Date of Main Plant : Order : Power Evacuation :		NA Rs 25648 lakhs. Rs 15000 lakhs. Natural Gas 0.6 MMSCMD of Natural gas from KG basin by RIL Dismantled power station Equipment received at site.				GT#1 on full load on 20/11/10 GT #2 on load on Feb 2011. Main Criticality : Water treatment plant. ST on baring gear . Temporary arrangement for DM water from Pilot Plant (300 cubic liter). ST was synchronized and put on load on 04/08/2011 but due to GT insulation failure it closed. Presently under maintenance . Expected COD : end of 09/11	
	Critical Areas	Readiness of Water treatment Plant					

Last updated on 19/09/2011

BROAD STATUS OF THERMAL POWER PROJECTS IN RAJASTHAN

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
C	Private Sector						
1	Jalipa Kapurdi TPP Raj West power ltd. (Distt. Barmer)	1080					BOPs a) 6.6kV/440V dry type transformers and turbine MCC charged b) 183 km of RW pipeline laid. Unit-1 Unit synchronized on 17.08.09, commissioned on 16.10.09 and COD achieved on 26 th Nov. 09. Unit-2 Unit synchronized on 16 th June'10, achieved full load on 8.7.10 and COD achieved on 4 th Oct. 10. Unit-3 Unit synchronized in 01.05.11, full load and COD is now expected in 9/11. Unit-4 Unit synchronized in 18.07.11, full load and COD is now expected in 9/11. Unit-5 a) Boiler drum lifted on 4.8.08. b) Boiler Hydro test completed on 18.11.10 c) Common chimney for Unit- 5&6 shell casting completed. Boiler hydro test completed. Refractory insulation 95% completed. d) ESP erection 100% completed. e) Turbine & Aux. 91% completed. Unit-6 a) Boiler structure work completed. b) Boiler Hydro test completed on 18.11.10 c) ESP structure work 100% completed. APH erection 99% completed. Refractory application 30% completed. d) Chimney for Unit 5&6 completed. f) Turbine & Aux. 71% completed. Unit-7 a) Boiler structure work 89% & APH erection 89% completed. b) Pressure part erection 98% completed. g) Common chimney for Unit-7&8 completed. h) Turbine & Aux. 62% completed. Unit-8 a) Boiler structure work 92% & APH erection 98% completed. b) Turbine & Aux. 52% completed. c) Boiler Hydro test completed. d) Turbine & Aux. 52% completed. e) Common chimney for Unit-7&8 completed.
U -1	135	09/09 (10/09)	10/09	08/09(A) 10/09(A)	11/09 (A)		
U-2	135	10/09 (11/09)	11/09	6/10(A) 7/10(A)	10/10 (A)		
U-3	135	12/09 (01/10)	01/10	05/11(A) 09/11	09/11		
U-4	135	02/10 (03/10)	03/10	07/11(A) (09/11)	09/11		
U-5	135	05/10 (07/10)	07/10	03/12 (04/12)	05/12		
U-6	135	07/10 (08/10)	08/10	05/12 (06/12)	07/12		
U-7	135	08/10 (09/10)	09/10	09/12 (10/12)	11/12		
U-8	135	11/10 (12/10)	12/10	06/12 (08/12)	10/12		
Est. approved cost		` 507500 lakhs					
Revised cost		` 608500 lakhs					
Exp. During 2007-08		` 101886 lakhs					
Exp. During 2008-09		` 236350 lakhs					
Exp. During 2009-10		` 97093 lakhs					
Exp. During 2010-11		` 73537 lakhs					
Exp. During 2011-12 (Till 6/11)		` 22209 lakhs					
Type of fuel		Lignite					
Fuel Linkage		Captive coal mines from Jalipa & Kapurdi, 40,000 MT coal from Indonesia.					
Date of main plant Order		3/07 on M/s Dongfang Electric Corp.					
Power evacuation system		400 KV Jhodpur – 1 nos. and Barmer – 2 nos. 200KV, Dohrimanna – 2 nos. & Barmer – 1nos.					
Critical Areas		High labour turn out rate, acquisition of balance land for Jalipa lignite mine and delay in development of Jalipa mine. Availability permanent power supply for pumping station					

BROAD STATUS OF THERMAL POWER PROJECTS IN UTTAR PRADESH

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / As now Expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
	PROJECTS INCLUDED IN 11 TH PLAN							
	STATE SECTOR							
1.	Parichha TPS Extn. Stage-II UPRVUNL (Distt. Jhansi)	500					a) BTG contract has been placed on M/s BHEL on 28.06.2006. <u>Chimney:</u> (M/s NBCC) Reconstruction of Chimney under progress. Flue can erection for U#5 started	
	Unit-5	250	04/09 06/09	07/09	11/11	04/12	b) <u>IDCT</u> : Near completion c) Civil work of Fuel oil handling system is in progress.	
	Unit-6	250	08/09 10/09	11/09	02/12	06/12	Unit-5: a) Boiler Drum Lifted on 5.9.08. b) Boiler Hydro test conducted on 31.03.09. c) Boiler light up depends upon the completion of new chimney (07/11) d) TG box up 24.4.10	
	Date of approval by State Govt.							Unit-6: a) Boiler drum lifted on 4.12.08. b) Boiler hydro test conducted on 16.11.09 c) Boiler light up now expected in Nov 11.
	Est. approved cost		Rs. 190000 lakhs					
	Latest Est. Cost		Rs.235600 lakhs					
	Exp. upto 2006-07		Rs.22599 lakhs					
	Exp. upto 2007-08		Rs.39227 lakhs					
	Exp. upto 2008-09		Rs.65614 lakhs					
	Exp. upto 2009-10		Rs.20881 lakhs (Sept, 09)					
	Type of fuel		Coal					
	Fuel Linkage							
	Date of main plant order		28.06.2006 on BHEL (BTG) at Rs.122400 Lakhs. (Zero Date: 23.02.2007)					
	Power Evacuation system							
	* These activities are to re-scheduled after the availability of new chimney.							
	Critical Areas	Construction of new Chimney (Flue can erection to be started from 20/04/2011)						

Last updated on 19/09/2011,.

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
2.	Harduaganj TPS Extn. UPRVUNL (Distt. Aligarh)	500					- Zero date of the project is 07.09.06. - Site handed over to M/s BHEL on 29th March'07.
	Unit-8	250	08/09 09/09	10/09	8/11 09/11	0/11	BOPs: - Chimney erection and flue can erection for U# 8 completed in 03/11. - PCC work of wagon Tippler-1&2 Completed - DM tank foundation completed. Cooling Tower is ready
	Unit-9	250	12/09 01/10	02/10	08/11 12/11	01/12	One stream of Ash handling system is still to be ready
	Date of approval by State Govt.						
	Est. approved cost		Rs. 190000 lakhs				
	Latest Est. Cost		Rs. 222500 lakhs				
	Cumm. Exp. upto 2006-07		Rs. 16472.41 lakhs				
	Exp. during 2007-08		Rs. 24920 lakhs				
	Exp. during 2008-09		Rs.58955 lakhs				
	Exp. during 2009-10		Rs53937 lakhs				
	Type of fuel		Coal				
	Fuel linkage		1.943 MTPA of coal allotted by MOC from CCL vide MOC lr. no. 23011/ 87/ 2005/ CPD , dated 2.8.06 and CCL lr.no. CGM/PP/06/2/233-37 dated 8.9.06.				
	Date of main plant order		28.06.2006 on BHEL (BTG) at Rs.122400 Lakhs.				
	Power Evacuation		Existing 220 kV lines are sufficient for cater the load of these two units.				
	Critical Areas		Erection of Turbine of U#9, Raw Water Pump House, Ash Handling System, Completion of Bunker cover work.				
			Unit-8: - Boiler drum lifting completed on 25/01/09. - Boiler hydraulic test is done February, 11. - BLU on 25/03/2011 (A) - TG box comleted. - Unit Synchronised on 10/08/2011 (A) - Due to Hydrogen Gas leakage and GRP relay fault commissioning of unit delay , Now expected in end Sept 2011.				
			Unit-9: - Boiler drum lifting completed on 31/03/09. - Boiler hydraulic test is expected by 10/11. - Boiler light up is expected in 11/2011, - TG Box up by 10/11. - Commissioning is expected in 01/2012 - As reported by UPRVUNL, U#9 has been grossaly cannibalized by removing auxiliaries from it for U#8.				

Last updated on 19/09/2011

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
3.	Anpara ‘D’TPS UPRVUNL (Distt. Sonebhadra)	1000					a) Order for main plant and equipment along with agreed BOPs has been placed on M/s BHEL (BTG) on 24.10.07 for Rs. 3390 Crs.
	Unit-6	500	02/11 03/11	04/11	12/11 03/12	04/13	b) MOEF clearance achieved on 18.9.07.
	Unit-7	500	05/11 06/11	07/11	03/12	07/13	c) Financial Closure achieved on 23.11.07.
	Date of approval by State Govt.						d) Zero date of the project is 13.01.2008.
	Est. approved cost						e) Order for CHP awarded L&T
	Latest Est. Cost		Rs. 535876 lakhs				f) AHP (within project area) awarded to M/s Mecaber BK
	Exp. upto 2006-07		Rs. 290lakhs				g) Chimney awarded to M/s Lanco Infratech Limited
	Exp. upto 2007-08		Rs. 47000 lakhs				h) Switchyard awarded to M/s Areva T&D
	Exp. during 2008-09		Rs. 6890 lakhs				i) Leveling & grading work of BTG area Completed. Piling work in progress.
	Exp. upto 2009-10 (Feb, 10)		Rs. 89062 lakhs				j) TG (coloumn and Deck) : Casting of first tie beam in progress.
	Type of fuel		Coal				k) Boiler drum for U#1 lifted in 03/04/2011
	Fuel Linkage						l) Boiler Drum lifting for U#2: expected in 11/11
	Date of main plant order		BHEL. (BTG) on 24.10.07 Project Zero date: 13.01.08				m) Shell Concreting of Chimney still to start.
	Power Evacuation system						n) Poor mobilization of Man Power at site is d main reason for delay.
							o) BHEL to remove MS liner scraps .

Last updated on 19/09/2011

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			<u>Syn. Comm</u>	COD	<u>Syn. Comm</u>	COD	
	PRIVATE SECTOR						
2.	Rosa TPP (Ph.-II) Rosa Power Supply Co. Ltd. (Reliance Energy Ltd.) (Distt. Shahjahanpur)	600					- M/s Shanghai Electric Corp., China has been selected as EPC contractor through competitive bidding on 23.03.08 for executing the project. - Advance payment released on 20.05.08 to SEC. - Notice to proceed (NTP) has also been issued on 15.09.08 to EPC contractor. - MOE&F clearance obtained in July'09. - Facilities of Coal handling plant , DM plant will be utilized from the existing facilities. <u>Unit-3</u> - Boiler erection to Started in 10/2010 - Boiler Light Up achieved in Aug 11 - Chemical Cleaning Completed - Pre Commissioning activities in progress <u>Unit-4</u> - Boiler Hydro test done on 04/06/11 - Boiler light up expected by Dec 2011 - TG Box up expected by Nov 2011.
	Unit-3	300	<u>01/11</u> 03/11	04/11	<u>11/11</u> 12/11	01/12	
	Unit-4	300	<u>05/11</u> 06/11	07/11	<u>01/12</u> 03/12	03/12	
	Date of TEC						
	Date of approval by State Govt.						
	Original Estimated cost		Rs. 250000 lakhs				
	Latest Est. Cost		Rs. 250000 lakhs				
	Exp. upto 03/08		Nil				
	Exp. During 2008-09		Rs. 30162 lakhs				
	Exp. During 2009-10		Rs. 35096 lakhs				
	Financial Closure		Achieved in July'09.				
	Type of fuel		Coal				
	Fuel linkage						
	Date of order		23.3.08 on M/s Shanghai Electric Corp China (EPC) &BTG				
	Power Evacuation						
	Effective Zero Date		22.05.08				
		Criti-cal Areas					

Last updated on 19/09/2011

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / As now Expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
3.	Anpara ‘C’TPS UPRVUNL/ Lanco Anpara Power Ltd. (Dist: Sonebhadra)	1200					a) Letter of acceptance placed on M/s Lanco Anpara Power Pvt .Ltd. by UPRVUNL on 27.09.2006 for 2x500 MW.	
							b) The project has achieved financial closure on 24 th Nov’07 with REC.	
	Unit-1	600	11/10 (02/11)	03/11	19/3/11(A) (10/11)	10/11	c) MOE&F clearance obtained on 26.11.07.	
	Unit-2	600	03/11 (06/11)	07/11	09/11 (10/11)	10/11	d) EPC contract for 2x600 MW was awarded on 15 th Nov’07 to M/s Lanco Infratech Ltd.(LIL).	
	Date of TEC		Not Required					e) Switchyard: Consultancy contracts awarded on RITES for civil works of Switchyard and MGR system. Equipment.
	Date of approval by State Govt.		NA					f) 400 kV Switchyard equipment erection completed. 765 kV Switchyard foundation & structure & equipment erection in progress.
	Est. approved cost		Rs. 411480 lakhs					g) Chimney: Completed.
	Latest Est. Cost		Rs. 411480 lakhs					h) CHP: Track hopper RCC work is in progress. TP# 1& 2 & Crusher house Structure fabrication & erection is in progress.
	Exp Upto 31.03.2008		Rs. 48900 lakhs.					i) MGR civil works under progress
	Exp Upto 31.03.2009		Rs. 84700 lakhs					j) AHP: AW and Ash slurry pump house, RCC work is in progress.
	Exp Upto 31.03.2010		Rs. 162700 lakhs					k) ID Cooling Tower: Mechanical rection in progress.
	Total Exp. Upto 31.03.2010		Rs. 296300 lakhs					l) CW Pump house: RCC & CW duct erection work is in progress.
	Total Exp. Aug , 2011		Rs. 404546 lakhs					m) DM plan- 1 st stream commissioned in 04/10
	Financial Closure		Achieved on 24th Nov’07 with REC.					Unit-1
	Type of fuel		Coal					a) Unit 1 Synchronised on19/03/ 11.
	Coal Linkage		Yet to be finalized with CIL/NCL					b) APH 1A got damaged on 21/04/11 while the boiler was taken in service for coal firing , which affected the commissioning of unit
	Date of main plant order		EPC contract on M/s Lanco Infratech Ltd.(LIL) on 15.11.07.					c) Restoring works under progress.
			BTG supply package contract placed on M/s Dongfang Electric Co., China in Nov’07.					d) Unit again synchronized on 01/07/2011
	Zero date		23 rd Nov’07.					Unit-2
	Power Evacuation system		400KV & 765 KV Transmission system					a) ID , FD and PA fan commissioned
							b) Boiler Light up done on 25/07/2011 and steam blowing completed.	
							c) Turbine put on barring gear on 16/07/11.	
	Critical Areas	Completion of 765 kV switchyard at Unnao by UPPCL, Repairing of APH 1A . Restoration of APH 1A.						

Last updated on 16/09/2011 ..

WESTERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN CHHATTISGARH

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Ant.		
			Syn.	Comm	Syn.	Comm	
	PRIVATE SECTOR						
1	Kasaipalli TPP (Chakabura Vill., Distt. Korba) M/s ACB (India) Ltd (Aryan Coal Benefications Pvt. Ltd)	270					a) LOA has been issued on 25.11.08 on M/s Cethar Vessels Ltd , Thiruchirapalli on EPC basis at a total cost of Rs. 800 cr + taxes & duties (CFBC Boiler). b) Land acquired. c) Allocation of coal is still awaited. d) PPA was signed with GUVNL on 26.02.07 . e) 10 MCM Water allocated in Jan.,08. f) Environment clearance issued by the SEIAA on 22.12.08. Condenser, Generator & Turbine for unit-1 &2 received at site . g) Cooling Towers: Cooling Tower-1: Completed Cooling Tower-2 : Raft concreting completed. Wall & column contrite completed. Mech. Work is in progress. h) CHP : Erection of Tussle, Galleries , Traveling tippler and Bunkers completed.. CHP for feed coal for commissioning of U-1 is completed. i) AHP : Erection of equipment completed. Ash silo for U-1 completed. Bed ash silo for U-2 is under progress. j) Chimney : Completed. Boiler:1 h) Erection of Boiler-1 started on 08.10.09. Boiler Drum lifted on 05.03.10. All pressure parts welding completed. HT completed on 31.10.10 (non-drainable). Alkali Boil out completed on 08.05.11. BLU completed on 03.06.11. Steam blowing completed. and Syn. exp. in 09/11. TG-1: Turbine seals correction and inlet water box assembly completed. Generator: alignment of rotor in progress. Box-up completed on 01.06.11. Boiler-2 :Erection started on 01.12.09 and drum lifted on 10.06.10. HT completed on 23.03.11 (non-drainable). All pressure parts welding completed and refractory work and insulation is under progress. BLU exp. In 09/11 TG-II: Condenser erection started on 15.11.10.TG erection started on 30.01.11 TG Building: All columns erected. Crane girder and rail erected.
	Unit-1	135	10/10	11/10	07/11	08/11	
	Unit-2	135	01/11	02/11	09/11	10/11	
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: 14.07.08					
	Est. approved cost	: Rs.126700 lakhs					
	Exp. Up to 31.03.09	: Rs. 13000 lakhs					
	Exp. During 09-10	:Rs 27234 lakhs					
	Exp. During 10-11	: Rs . 54215 lakhs					
	Cumm. Exp. (up to 03/11)	Rs 94449 lakhs					
	Financial Closure	: 25.08.2009					
	Zero date	: 21.01.2009					
	Type of fuel	: Washery Rejects based COAL. Long term agreement for purchase of washery rejects signed on 20.06.07 with GSECL for 25 years.					
	Date of Main Plant Order	: on M/s Cethar Vessels Ltd in Nov.,08 (EPC)					
	Power Evacuation	: Open Access has been granted from Sipat Pooling Station of Power Grid on 16.03.09. BPTA has been signed with PGCIL.					
	Critical Areas	Long term linkage for one million tones for blending submitted on 22.09.06. The energy department GoCG has recommended on 16.07.07. Allocation of Coal is still awaited.					

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Ant..		
			Syn.	Comm	Syn.	Comm	
2	Spectrum TPP (Distt. Korba) M/s Spectrum Coal & Powee Ltd.	100					a) LOA has been issued on 21.07.09 on M/s QJPS , China, BTG b) Land acquired. c) Allocation of coal from SECL mines is approved. d) PPA was signed with Reliance Energy Ltd for 15 MW and balance PPA is with Gujarat Electricity Board. e) 2 MCM Water allocated by Chhattisgarh Govt... f) MOEF clearance and state pollution clearance obtained g) Civil Aviation clearance obtained. Unit -2 : MOEF clearance is yet to be obtained. h) All the supplies received at site. i) Cooling Towers: Cooling Tower: 80% civil works completed. And mechanical work yet to start. i) CHP : 25% works completed. j) AHP: Supplies have commenced.. k) Chimney: Chimney construction completed. Internal firebrick work and outer painting completed. Baffle wall and hopper erection under progress. Boiler:1 Main plant: All the supplies received at site. 90% of Main plant civil & 95% of structural works completed. Boiler erection started on 15.10.10. Drum lifted on 17.02.11.HT(Non-draianble) expected in 10/11 Condenser & TG erection started on 17.03.11.
Unit-1	50	06/11	06/11	10/11	11/11		
Unit-2	50						
Date of TEC		: Not Required					
Date of Approval by State Govt.							
Est. Org. cost (1x50 MW)		: Rs.22000 lakhs					
Exp. Up to 03/11		: Rs15500 lakhs					
Exp. In the year 2011-12 (05/11)		:Rs. 2853 lakhs					
Cumm. Exp. (up to 05/11)		Rs 18353 lakhs					
Financial Closure		: Achieved					
Zero date		:					
Type of fuel		: Washery Rejects based COAL					
Date of Main Plant Order		: on M/s QJPS , China, BTG 21.07.09					
Power Evacuation		:					
Critical Areas							

3	SV Power TPP (Distt. Korba) M/s KVK SV Power Pvt. Ltd.	63						a) LOA has been issued on 29.12.06 on M/s Hangzhou wanda Import Expoet Co. ltd through contracting agency of M/s Greenesol Power Sys. Pvt.Ltd. on BTG
	Unit-1	63	06/11	06/11	06/11	06/11		b) Land : Land lease deed entered with CSID Corp. on 16.12.08 for 89.063 Ha.
	Date of TEC		: Not Required					c) PPA was signed with Reliance Trading Ltd
	Date of Approval by State Govt.		:					e)5.5 MCM Water allocated by Chhattisgarh Govt...
	Est. Org. cost (1x63MW)		: Rs.22000 lakhs					f) MOEF clearance obtained on 08.02.08 and state pollution clearance obtained on 26.05.08
	Est. Latest. cost (1x63MW)		: Rs. 36000 lakhs					g) Civil Aviation clearance obtained on 26.05.08
	Exp. Up to 03/11		: Rs34256 lakhs					Unit -2 : MOEF clearance is yet to be obtained.
	Cumm. Exp. (up to 03/11)		Rs 34256 lakhs					h) Cooling Towers: 100% erection completed.
	Financial Closure		: Achieved					i)CHP : 85% erection completed..
	Zero date		:					j)AHP: 40% erection completed...
	Type of fuel		:					k)Chimney: Completed.
	Date of Main Plant Order		: on M/s Hangzhou wanda Import Expoet Co. ltd through contracting agency of M/s Greenesol Power Sys. Pvt.Ltd. on BTG					Boiler:1 Main plant: All the supplies received at site. 95% of Main plant civil & 100% of structural works completed.
	Power Evacuation		: 132 kV line through CSEB power grid.					
	Critical Areas							

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Ant.		
			Syn.	Comm	Syn.	Comm	
4	Salora TPP (Katghora Tal; Distt. Korba) M/s Vandana Vidyut Ltd	540					a) LOA has been issued on 21.01.08 on M/s Cethar Vessels Ltd , Thiruchirapalli on BTG basis , Boiler : Cethar Vessels Ltd, Turbine Genarator: M/s Harbine Turbine Co.Ltd, China
	Unit-1	135	06/11	06/11	11/11	12/11	b) Land : Required 261 Ha , Possession : 260.899 Ha.
	Unit-2	135	09/11	09/11			c) Allocation of coal is from Fatehpur Coal Block (Jointly) allotted by MOC and tapering coal linkage granted for 2x135 MW on 29.01.10 from SLC, LT meeting of MOC.
	Unit-3	270					d) PPA was signed with CSPTCLL on 05.01.11
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: 14.07.08					
	Est. approved cost (2x135 MW)	: Rs.145844 lakhs					
	Exp. During 09-10	:Rs 14441lakhs					
	Exp. During 10-11 (12/10)	: Rs . 43617 lakhs					
	Cumm. Exp. (up to 06/11)	Rs 92700 lakhs					
	Financial Closure	: Achieved					
	Zero date	:					
	Type of fuel	:					
	Date of Main Plant Order	: on M/s Cethar Vessels Ltd in Nov.,08 (BTG)					
	Power Evacuation	: PGCIL granted LTOA & BPTA executed on 24.02.10					
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	

6	Balco TPS Distt. Korba) M/s Balco	1200					a) Implementation agreement signed b) All statutory clearances received. c) Coal linkage application is in advance stage. d) Water allocation on 18.10.07. e) The Taraimar (Durgapur-II) Coal block in Chhattisgarh allotted. f) Chimney for units 1 &2 , 100% civil works completed, 55% fabrication completed and 18% erection completed. g) Chimney for unit-3 &4, Civil works -79% completed and 37% fabrication completed. h) CHP: Civil works 98% completed. Mechanical works 95% completed. All major equipments like crusher, vibrating screen, stacker reclaimer erection completed. Conveyor erection 98% completed. Overall 96% work completed. i) AHP: Civil works 80% completed. Overall 70% work completed. j) Cooling tower: For unit-2 ,100% and for unit-1 50% of civil work completed.and will be ready by 15.05.11. For Unit-3 & 4 excavation work started. Overall 37% work completed. k) Main power house Civil works for all 4 units 100% completed and structural work for 2 units 100% completed. Unit-2: Drum lifted on 09.05.09. HT completed on 31.08.10. Acid cleaning on 05.08.11. BLU completed on 25.05.11. Steam blowing completed on 03.06.11. Unit synchronized with oil on 06.09.11. Full load expected in 10/11. Turbine: Turbine box up Completed on 20.10.10.. Oil flushing completed. Unit:1 : All major foundations completed 93% of civil works completed. All major equipments received at site. Drum lifted on 10.05.10. HT completed on 30.05.11. BLU expected in 10/11. TG: Turbine box up completed on 05.08.11. Oil flushing under progress. Unit:3 : 70% of main plant civil works completed. Boiler: Drum lifted on 31.05.09. HT completed on 19.01.11. All fans & mill foundations completed. joints welding completed. 85% boiler erection and 65% TG erection completed. Unit-4: Drum lifted on 30.03.10. 25% of civil works , 25% boiler erection and 30 % TG erection completed.
	Unit-1	300	0//10	09/10	10/11	10/11	
	Unit-2	300	02//10	04/10	08/11	08/11	
	Unit-3	300	03//10	06/10	01/12	01/12	
	Unit-4	300	09/10	12/10	03/12	03/12	
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	:					
	Est. approved cost	: Rs.465000 lakhs					
	Expenditure 2007-08	: Rs. 41710.5 lakhs					
	Expenditure 2008-09	: Rs. 80073 Lakhs					
	Expenditure 2009-10	:Rs . 141825 Lakhs					
	Cumm. Exp. (up to 03/10)	:Rs 263608.5 Lakhs					
	Financial Closure	:					
	Zero date	: 01.11.07					
	Type of fuel	: COAL					
	Date of Main Plant Order	: SEPCO electric Power Construction Corporation on 20.08.07 on EPC basis.					
	Power Evacuation	:					
	Critical Areas	The issue E Visa to the SEPCO/OEMs persons is an issue and has delayed the activities like back charging, TG box up commissioning activities of critical equipments. CEA recommended to MOC for allotting 50,000 MT of coal. Project Authorities requested CEA for another 1,00,000 Tonnes of coal.					

BROAD STATUS OF THERMAL POWER PROJECTS IN GUJARAT

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn)	Comm	
1.	Hazira CCPP (Gujarat State Energy Generation Limited), Surat	351					1.All statutory clearances are available. 2.Zero date of the project is 23.01.08. 3.HRSG erection started on 15.04.09. IP&LP drum lifted on 09.11.09 & 16.11.09 respectively. HP drum lifting completed in 03/10. HT completed in 01/11. 4.Flange to flange gas turbine has reached at site from GE USA. GTG supply from Haridwar now completed. GT erection started on 31.03.10.GT FSNL is expected in 09/11. 5.HP&IP received at site on 16.11.10. and LP is received at site in 12/10.. STG deck is ready. ST erection started in 11/10. STG Box up is expected in 09/11. 6.There is no provision of by pass stack hence GT can not run in open cycle. 7. Commissioning in combined cycle is expected in 10/11.
GT	223	02/10	02/10	09/11	09/11		
ST	128	03/10	04/10	09/11	10/11		
Org.Est. cost		Rs. 115200 Lakhs					
Latest cost		Rs. 115200 Lakhs					
Exp. Upto 03/09		Rs. 35000 Lakhs					
Exp. During 09-10		Rs. 20000 Lakhs					
Exp. During 10-11 (Upto 03/11)		Rs. 11000 Lakhs					
Cumm. Exp up to 03/11		: Rs. 66000 Lakhs					
Financial closure		Achieved on 27.12.07					
Type of fuel		: Natural Gas					
FSA		: FSA signed with GSPC					
Date of Main Plant Order		: 29.12.07 on M/s BHEL (EPC) through ICB route.					
Zero date of the project		: 23.01.08					
Power Evacuation System: Existing system sufficient.							
Critical Areas	BHEL site staff need be augmented with senior, Cable trenches are on critical path Supply of balance material for LP rotor, CW pumps. Back charging of switchyard.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
2	Pipavav CCPP, Ph-I,GSPC PIPAVAV Power Cop.Ltd. Distt: Amreli GPPC	702					1.All required clearances are available. 2. On 08.08.09, truck carrying GT-1 from Mnudra port to Pipavav site fell into river due to collapse of 3rd span slab of the bridge over Shetrunji river near Bhavnagar (about 100 km from site). CMD, BHEL confirmed that new GT will be supplied to the site. 3. HRSG-1&2: HRSG -1 erection started on 24.11.09.Erection of HRSG-2. Started in 02/10. 4. HRSG-1 , HT is expected in 08/11. HT for HRSG-2 is scheduled in 09/11. 5. GT-1&2: GT-1 erection start is expected in 09/11. GT-2 erection start is expected in 10/11. 6.Supply of GT-1 is received at site on 10.7.11 and GT-2 is expected in 09/11. 7.ST–I supply of HP-IP & LPT turbine received at site. Erection start is expected in 08/11. ST-II supply is expected in 09/11 and its erection start is expected in 10/11. 8. There is no provision of by pass stack hence GTs can not run in open cycle.
	Block-I	351	07/10	09/10	12/11	02/12	
	Block-II	351	10/10	11/10	01/12	03/12	
	Date of TEC		: Not Required				
	Org.Est. cost		: Rs.235429 Lakhs				
	Latest cost		: Rs.254558 Lakhs				
	Exp. Upto 03/08		: Rs. 23214 Lakhs				
	Exp. During 08-09		: Rs. 7039 Lakhs				
	Exp. During 09-10		: Rs. 40247 Lakhs				
	Exp. During 10-11		: Rs. 55841Lakhs				
	Exp. During 11-12 (Upto 07/11)		: Rs. Lakhs				
	Total Exp.(Upto 03/11)		:Rs.76084 Lakhs				
	Financial closure		: 24/01/08				
	Type of fuel		: Natural Gas(base fuel)/LNG (3.2 mcmd gas from GSPC)				
	Source and supply of Fuel		: Gas supply agreement with M/s GSPC and Gas transportation agreement with M/s GSPL				
	Date of Main Plant Order		: LOA on 27 /12 /07 , BHEL (actual order in March 08)				
	Zero date of the project		: 29/03/08				
Notice To Proceed(NTP)		:29.03.08					
Power Evacuation		: 3 Double Ckt 220 kV line to be erected by GETCO: 1. Pipavav- Saverkundla line 2. Pipavav- Dhokabada line 3. Pipavav- Mahuva line					
	Critical Areas	Readiness of Sea water Intake & outfall system, Supply of ST for Block-II and TG box –up critical. BHEL/BJCL is slow in execution of civil works., Pedestal bearing yet to be supplied					
	Critical Areas	Inadequate man power by M/s ERA, Slow civil works, Delay in supplies: Gen. rotor, CC pumps, CW pupms, ACW pumps. Coal bunker fabrication & erection.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
3.	UkaiTPS Extn. Distt. Unit-6 GSECL, Gujarat	500					1. MOE&F clearance obtained on 13.06.08 2. All clearances received. 3. PPA under finalization. 4. Coal allocated from captive mines-Machhakata in Orissa. 5. Boiler &ESP erection work under progress, T.G deck completed. 6. Civil work of power station building, chimney, cooling tower, cooling water pump house is under progress. 7. Boiler erection started in 06.05. 09. 8. Boiler Drum lifted on 31.12.2009. 9. Hydraulic test on 13.10.10. 10. TG erection started on 12.07.11.
	Unit-6	500	12/10 01/11	02/11	02/12 03/12	03/12	
	Date of TEC		: Not Required				
	Org.Est. cost		: Rs. 193700 Lacs				
	Latest cost (10/08)		: Rs. 221800 Lacs				
	Exp. During 07-08		: Rs. 11750.00 Lacs				
	Exp. During 08-09		: Rs. 23484.36 Lacs				
	Exp. During 09-10		: Rs. 47076.96 Lacs				
	Exp. During 10-11		: Rs. 62383..64Lacs				
	Exp. During 11-12 (up to 06/11)		: Rs. 3089.47Lacs				
	Cumulative Exp (up to 06/11)		: Rs. 147784.43 Lacs				
	Financial Closure		: 21.09.07				
	Type of fuel		: Coal				
	Date of Main Plant Order		: 07.09.07 .on M/s BHEL (EPC)				
	Zero Date of the Project		: 06.10.07				
	Critical Areas		Inadequate man power by M/s ERA, Slow civil works, Delay in supplies: Gen. rotor, CC pumps, CW pupms, ACW pumps. Coal bunker fabrication & erection.				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
	Private Sector						
1.	Mundra TPP, Ph-II (Distt:Kutch) M/s Adani Power Ltd.	1320					Unit-1 Unit synchronized on 22.12.10.Coal firing achieved on 22.12.10.Full load achieved on 26.12.10.
	Unit-1	660	01/11	04/11	12/10(A)	12/10 (A)	
	Unit-2	660	06/11	08/11	06/11(A)	07/11 (A)	
	Date of TEC	: Not Required					Unit-2 Synch. Achieved on 03.06.11.Coal Firing achieved on 03.06.11. Full load achieved on 20.07.11.
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.650000 lakhs					
	Exp. upto 03/09	: Rs.250327 lakhs					
	Exp. During 09-10	: Rs. 199937Lakhs					
	Exp. During 10-11	: Rs. 169985Lakhs					
	Exp. During 11-12 (Upto 07/11)	: Rs. 6108Lakhs					
	Total Exp.(Upto 7/11)	:Rs. 626357					
	Financial Closure	: Achieved in 12/07					
	Type of fuel	: Imported Coal					
	Fuel Linkage	: Imported coal from Indonesia					
	Date of Main Plant Order (Boiler-Harbin, China) (TG-Dong Fang)	EPC Contract awarded to SEPCO III China on 06.09.07					
	Zero date of the project	: 06.09.07					
	Power Evacuation System: Progressing as per schedule						
	Critical Areas	Work progress is affected due to non-availability of Visa for Chinese Experts.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com	Syn.	Com.	
2.	Mundra TPP, Ph-III (Distt:Kutch) M/s Adani Power Ltd.	1980					1. All clearances are available. 2. Zero date of the project is 01.01.08. 3. Design & Engineering is in progress. 4. All the BOPs are included in EPC contract. Civil works are in progress.
	Unit-1	660	04/11	06/11	09/11	10/11	Unit-1
	Unit-2	660	07/11	08/11	10/11	11/11	Boiler
	Unit-3	660	09/11	10/11	12/11	01/12	1. Boiler erection started on 18.02.09. 2. Boiler HT completed in 04/11. 3. BLU achieved on 31.08.11.
	Date of TEC		: Not Required				TG
	Date of Approval by State Govt.		: N.A.				1. Condenser erection started on 30.04.10. 2. Generator stator positioned on 07.12.10. 3. TG Box Up completed on 30.03.11.
	Org.Est. cost		: Rs. 1200000 lakhs				4. SBO started on 01.09.11 and completed on 06.09.11.
	Exp. upto 03/09		: Rs. 85601 lakhs				5. Normalization is expected to be completed on 22.09.11.
	Exp. During 09-10		: Rs. 429977 Lakhs				
	Exp. During 10-11		: Rs. 505314 Lakhs				
	Exp. During 11-12 (Upto 07/11)		: Rs. 89840 Lakhs				
	Total Exp.(Upto 07/11)		: Rs. 1110732 Lakhs				Unit-2
	Financial Closure		: Achieved				Boiler
	Type of fuel		: Imported Coal				1. Boiler erection started on 25.06.09. 2. Boiler HT completed on 08.07.11. 3. BLU expected in 10/11.
	Fuel Linkage		: Imported coal from Indonesia				TG
	Date of Main Plant Order (Boiler-Harbin, China) (TG-Dong Fang)		EPC Contract awarded to SEPCO III China on 01.01.08				1. TG deck casting completed on 31.05.10. 2. Condenser erection started on 26.08.10. 3. Generator stator positioned on 02.12.10. 4. TG box up completed on 31.07.11.
	Zero date of the project		: 01.01.08				Unit-3
	Power Evacuation System: Progressing as per schedule						Boiler
							1. Boiler erection started on 26.09.09. 2. Boiler HT expected in 09/11. 3. BLU expected in 10/11.
							TG
							1. Condenser erection started on 01.01.11. 2. TG box up expected in 09/11.
	Critical Areas	Work progress is affected due to non-availability of Visa for Chinese Experts. Clearance to operate the unit w/o FGD would be required(FGD behind the schedule)					

BROAD STATUS OF THERMAL POWER PROJECTS IN MAHARASHTRA

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
II	PROJECTS UNDER CONSTRUCTION						
	STATE SECTOR						
1.	Khaperkheda TPS (Distt. Nagpur) MSPGCL	500					1. Zero date of the project is 23.07.07. 2.All required clearances are available. 3.Financial closure achieved on 26.05.06. 4.Orders for all BOPs on EPC basis placed on M/s BGR Energy Systems Ltd. on 03.07.07.
	Unit - 5	500	03/10	06/10	03/11 (A)	08/11 (A)	M/s BGR Energy Systems Ltd. on 03.07.07.
	Date of TEC		: Not Required				
	Date of Approval by State Govt.		: 12.05.06				
	Est.Proj. cost.		: Rs. 217000 Lakhs				
	Latest Est. cost		: Rs.322000 Lakhs				
	Exp. During 2006-07		: Rs.6000 Lakhs				
	Exp. during 2007-08		: Rs.28760 Lakhs				
	Exp. during 2008-09		: Rs.77680 Lakhs				
	Exp. during 2009-10		: Rs.968291Lakhs				
	Exp. during 2010-11		: Rs.82294Lakhs				
	Exp. during 2011-12 (Upto 06/11)		: Rs. 9438 Lakhs				
	Total Exp. (Upto 06/11)		: Rs. 301001Lakhs				
	Type of fuel		:Coal				
	Fuel Linkage		:2.312MTPA from MCL/Talcher				
	Financial closure		: Achieved on 26.05.06 Equity : GO Maharashtra Rs434 crs Loan : PFC Rs. 1753Crs..				
	Date of Main Plant Order		: M/S BHEL on 23.01.07 (BTG +Electrical)				
	Power Evacuation System: Existing 400kV line.						
	Critical Areas	Dispute with nearby villagers in respect of Ash pipe line. MPCB constraint. Delay in readiness of CHP and AHP					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
2.	Bhusawal TPS (Distt. Jalgaon) MSPGCL	1000					1. Zero date of the project is 23.01.07. 2. All required clearances are available. 3. Financial closure achieved on 27.07.06. 4. Orders for all BOPs on EPC basis are placed on M/s TPL on 05.11.07. 5. Temporary chimney completed on 23.11.10.
	Uni-4	500	05/10	09/10	05/11(A)	10/11	Unit-4
	Uni-5	500	09/10	01/11	12/11	03/12	Boiler
	Date of TEC	: Not Required					1. Boiler Foundation handed over on 10.03.08.
	Date of Approval by State Govt.	: 12.05.06					2. Boiler erection started on 26.03.08.
	Est.Proj. cost.	: Rs. 412400 Lakhs					3. Boiler Drum lifted on 09.01.09.
	Latest Est.Cost	: Rs. 489000 Lakhs					4. Boiler HT completed on 31.03.10.
	Exp. during 2006-07	: Rs. 15800 Lakhs					5. BLU completed with temporary chimney on 05.03.11.
	Exp. during 2007-08	: Rs. 34610 Lakhs					6. SBO started on 02.04.11 and completed on 20.04.11.
	Exp. during 2008-09	: Rs. 114500Lakhs					7. Oil synch. achieved on 11.05.11.
	Exp. during 2009-10	: Rs. 110000 Lakhs					8. Mills A,B,C&D are ready and mills E&F are expected to be ready by 20.09.11
	Exp. during 2010-11	: Rs. 117652 Lakhs					9. Bunkering to commence from 31.07.11.
	Exp. during 2011-12 (Upto 06/11)	: Rs. 28290 Lakhs					10. AHP readiness is expected by 30.09.11.
	Total Exp.(Upto 06/11)	: Rs 420852Lakhs					11. CT(100%) completed.
	Type of fuel	:Coal					12. Coal Firing is expected from 25.09.11.
	Fuel Linkage	:2.4MTPA from MCL coal mines at Talcher/IB.					13. Full Load by 07.10.11.
	Financial closure	: Achieved on 27.07.06 Equity : GO Maharashtra Rs825 crs. Loan : PFC Rs. 3693Crs.					TG
	Date of Main Plant Order	: M/S BHEL on 23.01.07 (BTG +Electrical)					1. Condenser erection started on 14.03.09.
	Power Evacuation System: Existing 400kV/220 kV lines.						2. TG erection started on 30.04.09.
							3. TG box up completed in 03/11.
							4. TG put on barring gear on 27.03.11.
							Unit-5
							Boiler
							1. Boiler Foundation handed over on 26.05.08.
							2. Boiler erection started on 03.08.08.
							3. Boiler drum lifted on 20.04.09.
							4. Boiler HT completed on 30.06.10.
							5. Readiness of B.A.H. is expected by 30.09.11.
							6. Non-Drainable HT is expected on 20.08.11.
							7. BLU expected on 15. 10.11 With regular chimney.
							8. Readiness of chimney by 20.09.11.
							9. SBO completion is expected in 10/11.
							TG
							1. Condenser erection started on29.10.09.
							2. TG erection started on 17.12.09.
							3. TG box up is expected in 09/11.
							4. TG barring gear is expected in 10/11.
	Critical Areas	Damage of flue canes during chimney accident. Readiness of CHP and AHP, RHS mill bay structures Bunkers and Tipper Floor yet to be completed (problem due to space constraints)					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
PRIVATE SECTOR							
1.	JSW Energy(Ratnagiri) Limited, TPP at Jaigad (Distt. Ratnagiri) JSW Energy(Ratnagiri) Limited	1200					1. All required clearances are available. 2. Zero date of the project is 04.07.07. 3. Order for all the BOPs have been placed. 4. Mega Power status is yet to be received. 5. chimney # 1: Flue -1 ready for operation. 6. Chimney # 2: Outer shell completed in 03/09. Structural fabrication and erection completed. Flue and brick lining work is in progress. 7. IDCT # 1- 4: all civil works completed. 8. Start up power received on 17.04.10
	Unit - 1	300	12/09	03/10	06/10(A)	08/10 (A)	Unit-1 : Synchronized on 21.06.10.Coal firing achieved on 04.07.10.Unit commissioned on 24.08.10. COD achieved on 01.09.10. Unit-2 : Synch. on oil on 24.11.10. Coal firing achieved on 26.11.10. Full load achieved on 09.12.10. COD achieved on 15.12.10. Unit-3 Synchronized on 28.04.11.Coal firing achieved on 30.04.11.Unit commissioned on 06.05.11. COD achieved on 09.05.10. Unit-4 Boiler 1. Boiler erection started in 03/09. 2. Boiler drum lifted in 08/09. 3. Boiler HT completed in 06/ 10. 4. BLU completed on 30.06.11. 5. SBO started on 30.06.11. 6. SBO completed on 10.07.11. 7. Normalization also completed completed. 8. Unit synch.on oil on24.08.11. 9. Coal Firing achieved on 19.09.11. TG 1. TG erection started in 12/09. 2. TG box up completed in 06/11.
	Unit - 2	300	02/10	05/10	11/10(A)	12/10 (A)	
	Unit - 3	300	04/10	07/10	04/11(A)	05/11 (A)	
	Unit - 4	300	06/10	09/10	08/11(A)	09/11	
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: 10.06.05					
	Original Est. cost.	: Rs- 450000 Lakhs					
	Latest Cost	: Rs. 450000 Lakhs					
	Exp. During 07-08	: Rs. 51419 Lakhs					
	Exp. During 08-09	: Rs. 96644 Lakhs.					
	Exp.During 09-10	:Rs.210093 Lakhs					
	Exp.During 10-11	:Rs. 102313 Lakhs					
	Exp.During 11-12	:Rs. 97392Lakhs					
	Cum.Exp.(Upto07/11)	:Rs. 557871 Lakhs					
	Type of fuel	: Imported Coal					
	Fuel Linkage	Imported Coal (very low Sulphur & Ash content)					
	Financial closure	: Achieved on 02.08.07					
	Date of Main Plant Order	: M/sShanghai Electric Power Generation Company, China on 04.07.07 (BTG) under – ICB route BOP contract awarded to SEW-ABB-EDAC consortium with EDAC as lead partner.					
Power Evacuation System: There are two 400kV lines : (1) New KOYNA Line (2) KARAD Line. Order for both the lines placed on M/s L&T on 02.07.08. The work is lagging behind the schedule.							
Critical Areas		Non availability of SEC (Chinese) supervision team at site due to visa problem is hampering project schedule. Readiness of second transmission line (08/11). MPCB clearance. Supply of Spray Nozzle (Gland Steam) from China.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
2.	Tirora TPP ,Ph-I (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	1320					1. All clearances are available. 2. Zero date of the project is 06.09.07. 3. Mega status requested for the project. 4. Design & Engineering completed. 5. The order for all the BOPs have been placed and progressing as per schedule.
	Unit-1	660	03/11	04/11)	10/11	11/11	Unit-1 Boiler
	Unit-2	660	06/11	07/11	12/11	01/12	1. Boiler erection started on 07.10.09. 2. Boiler HT completed in 03/11. 3. BLU expected in 10/11.
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.656000 lakhs					
	Exp. upto 03/09	: Rs. 31835 lakhs					
	Exp. During 09-10	: Rs. 122359 Lakhs					
	Exp. During 10-11	: Rs. 365061 Lakhs					
	Exp. During 11-12 (Upto 07/11)	: Rs. 23973Lakhs					
	Total Exp.(upto 7/11)	:Rs. 543228 Lakhs					
	Financial Closure	: Achieved on 20.08.09					
	Type of fuel	:Coal					
	Fuel Linkage	:Imported Coal (very low Sulphur & Ash content)					
	Date of Main Plant Order (Boiler-Babcock, China) (TG-BSTG,China)	BTG Contract awarded to SCMEC China on 28.02.08					
	Zero date of the project	: 28.02.08					
	Power Evacuation System: yet to start						
	Critical Areas	Accordance of Mega Status. Power evacuation system. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited					
3.	Tirora TPP ,Ph-II (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	660					1. All clearances are available. 2. Zero date of the project is 06.09.07. 3. Design & Engineering is in progress. 4. Foundation works awarded, work to commence in 01/09. 5. The order for all the BOPs have been placed and progressing as per schedule.
	Unit-1	660	09/11	10/11	01/12	02/12	Unit-1 Boiler
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.270300 Lakhs					
	Exp. upto 03/10	: Rs. 26822 Lakhs					
	Exp. During 10-11	: Rs. 96342Lakhs					
	Exp. During 11-12 (Up to 07/11)	: Rs. 61464Lakhs					
	Total Exp.(upto 7/11)	:Rs. 184628 Lakhs					
	Financial Closure	: Achieved on 18.09.09					
	Type of fuel	:Coal					
	Fuel Linkage	Imported Coal (very low Sulphur & Ash content)					
	Date of Main Plant Order (Boiler-Babcock, China) (TG-BSTG,China)	BTG Contract awarded to SCMEC China on 28.02.08					
	Zero date of the project	: 28.02.08					
	Power Evacuation System: Yet to start						
	Critical Areas	Power evacuation system. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
5.	Bela Thermal Power Project (Distt. Nagpur) M/s Ideal Energy Projects Limited (IEPL)	270					1. All required clearances are available. 2. Zero date of the project is 260.12.08. 3. Order for all the BOPs have been placed on 29.07.09 on M/s Mcnally Bharat Engg. Co.Ltd. Kolkata (MBE) on EPC basis. 4. FSA with SECL signed. 5. BHEL have opened site office on 16.08.09. 6. M/s MBE have mobilized site on 22.09.09. Unit-1 Boiler 1. Boiler front handed over to BHEL by MBE. 2. Boiler material supply started from 29.11.09. 3. Boiler erection started on 06.03.10 against the original schedule of 26.12.09. 4. Boiler drum lifting completed on 25.08.10. 5. Boiler HT (Non-Drainable) completed on 06.06.11. 6. BLU is expected on 30.10.11. 7. SBO completion is expected on 15.12.11. 8. Synch. is expected on 15.02.12. TG 1. Condenser erection started on 20.09.10. 2. TG erection started on 20.09.10. 3. TG box up is expected on 31.12.11. 4. TG oil flushing completion is expected by 15.01.12. 5. TG on BG is expected on 30.01.12.
Unit - 1	270	10/11	12/11	02/12	03/12		
Date of Approval by State Govt.		: N.A.					
Original Est. cost.		: Rs- 147700 Lakhs					
Latest Cost		: Rs. 147700 Lakhs					
Exp. Upto 03/09		: Rs. 7200 lakhs					
Exp. During 09-10		: Rs. 16451Lakhs.					
Exp. During 10-11		: Rs. 54409Lakhs					
Exp. During 11-12 (upto 08/11)		: Rs. 17940Lakhs					
Total Exp.(Upto08/11)		:Rs.96000 Lakhs					
Type of fuel		: Coal					
Fuel Linkage		:From WCL and MCL					
FSA		: FSA with SECL in progress.					
Financial closure		: Achieved in 10/09					
Date of Main Plant Order		: Placed on M/s BHEL on 6.12.08 for BTG.					
Power Evacuation System:		M/s IEPL has been granted connectivity & open access on 400KV Koradi-Wardha Double Circuit line.					
Critical Areas		Commissioning of Koradi-Wardha 400kV double circuit line.(Required for Start up Power)BHEL supplies of generator stator from Haridwar.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm.	Syn.	Comm.	
8.	GEPL Thermal Power Project,Ph-I (Distt. Chandrapur) M/s Gupta Energy Pvt.Limited (GEPL)	120					1. All required clearances are available. 2. Order for all the BOPs have been placed and work is in progress.
	Unit - 1	60	11/10	11/10	09/11	10/11	Unit-2 Boiler 1. Boiler erection started on 02.09.09. 2. Boiler Drum lifted on 14.01.10. 3. Boiler HT (Non-drainable) achieved on 01.10.10. 4. BLU expected on 20.08.11. 5. SBO completion is expected in 09/11. 6.
	Unit - 2	60	12/10	12/10	10/11	11/11	TG 1. Condenser erection started on 05.03.10. 2. TG erection started on 16.04.10. 3. TG box up completed in 12/10. 4. Oil flushing is in progress.
	Original Est. cost.	: Rs- 65649 Lakhs					Unit-1 Boiler 1. Boiler erection started on 02.11.09. 2. Boiler Drum lifted on 14.03.10. 3. Boiler HT (Non-drainable) is expected on 15.08.11. 4. BLU expected on 20.09.11.
	Latest Cost	: Rs. 65649Lakhs					TG 1. Condenser erection started on 05.05.10. 2. TG erection started on 16.06.10. 3. TG box up completed in 03/11.
	Exp. Upto 03/10	: Rs. 30316 lakhs					
	Exp. During 10-11	: Rs. 20200 Lakhs					
	Exp. During 11-12 (Upto 05/11)	: Rs. 8200 Lakhs					
	Total Exp.(Upto 05/11)	:Rs.58716 Lakhs					
	Type of fuel	: Coal					
	Fuel Linkage	:in process					
	FSA	: in progress.					
	Financial closure	: Achieved					
	Date of Main Plant Order	: Placed on M/s Thyssenkrupp Industries India Pvt.Ltd. (Boiler) in 04/09 and China National Automotive Industries International Cooperation (TG) in 03/09.					
	Power Evacuation System:						
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
9.	Wardha WaroraTPP , (Distt: Chandrapur) M/s Wardha Power Company Pvt.Ltd	540					1. All clearances are available. 2. Design & Engineering completed. 3. All the BOPs are in the scope of EPC contractor and progressing as per schedule.
	Unit-1	135	02/10	03/10	15.04.10 (A)	06/10 (A)	Unit-1
	Unit-2	135	04/10	05/10	04.10.10(A)	10/10(A)	Unit oil synchronized on 15.04.10. Coal firing completed on 05.05.10. Achieved full load on 05.06.10. COD achieved on 01.07.10.
	Unit-3	135	06/10	07/10	29.12.10(A)	01/11(A)	Unit-2
	Unit-4	135	08/10	09/10	17.04.11(A)	04/11(A)	Unit Oil synchronized on 04.10.10. Coal firing achieved on 5.10.10.Full load achieved on 10.10.10.COD achieved on 30.10.10.
	Org.Est. cost	: Rs.241600 lakhs					Unit-3
	Exp. upto 03/10	: NA					Oil synch. achieved on 29.12.10.Coal firing completed on 31.12.10. Full load achieved on 21.01.11.
	Exp. During 10-11 (Up to 04/10)	: NA					Unit-4
	Financial Closure	Achieved on 24.01.08&30.04.09 for Ph-I&II respectively					Oil Synch. is achieved on 17.04.11.Coal firing completed on 29.04.11.Full Load achieved on 30.04.11. COD yet to be declared
	Type of fuel	:Coal					
	FSA	: In progress					
	Fuel Linkage	: In process					
	Date of Main Plant Order (Boiler &TG from Dong Feng, China)	:EPCCContract awarded to Siachaun Electric Power Design & Consulting Co.Ltd.China on 15.05.07.					
	Power Evacuation System: 220KV transmission line back charged on 05.12.09.						
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. Comm.	Comm.	Syn. Comm.	Comm.	
11.	Butibori TPP, Ph- II, (Ph-I is CPP) (Distt: Nagpur) M/s Vidarbha Industries Power Ltd.	300					1.All clearances are available. 2.Design & Engineering is in progress. 3.Order for all the long gestation BOPs have already been placed and remaining orders are in process. 4.The order for civil & structural work (GCW) has placed on M/s JMC.
	Unit-1	300	12/11	01/12	02/12	03/12	
	Org.Est. cost	: Rs.160000 lakhs					
	Exp. upto 03/10	: NA					
	Exp. During 10-11 (Up to 09/10)	: 12500 lakh					
	Financial Closure	Expected in 10/10					
	Type of fuel	:Coal					
	FSA	: Available					
	Fuel Linkage	: Available, WCL, 1.1million tones per annum					
	Date of Main Plant Order (Boiler &TG from SEC, China)	:BTG Contract awarded to Shanghai Electric Company China on 16.12.09.					
	Power Evacuation System: The process of making application to MSTECL is in progress.						
	Critical Areas						

Unit-1 Boiler

1. Civil works started on 01.06.10.
2. Boiler erection started in 10/10.
3. Boiler drum lifting is completed.
4. Boiler HT(ND) is expected in 09/11.
5. BLU is expected in 12/11.

TG

1. Civil works started on 01.06.10.
2. TG erection started.

BROAD STATUS OF THERMAL POWER PROJECTS IN MADHYA PRADESH

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
II	PROJECTS UNDER CONSTRUCTION							
	STATE SECTOR							
	1.	SatpuraTPS Extn.(Sarni) (Dist. Betul) MPPGCL	500					- MOEF clearance obtained on 27.02.09. - M/s Desein, Delhi has been appointed as Project Consultant. - Main plant civil works started on 27.11.09 by M/s Sunil Hitech. - LOA for BOP package placed on M/s McNally Bharat engg. (MBEL) Kolkatta on 3.04.10. Civil works are under progress in CHP,AHP,NDCT,S/yard, DM,PT etc - Chimney: 64m shell completed. - Coal Linkage issued by WCL on 13.07.10 for coal quantity of 1.85 mtpa. - LOA issued on NTPC in 6/10 for project monitoring services. - LOI for boiler erection is placed on M/s Indwell in 2/10 by BHEL
	Unit-10	250	01/12 02/12	03/12	06/12 07/12	08/12		
	Unit-11	250	03/12 04/12	05/12	08/12 10/12	11/12		
	State Govt. approval	: Accorded on 29.06.06						
	Org Est. approved cost	: Rs. 235000 Lakhs						
	Latest Cost	: Rs. 303234 Lakhs						
	Exp.2007-08	: Rs. 15141 Lakhs						
	Exp. 2008-09	: Rs. 89 Lakhs						
Exp. 2009-10	: Rs 10583 Lakhs						Unit-10 - Boiler erection started on 8/ 04/10. - Drum lifted in 12/10. - Hyd test is expected by 9/11 - TG deck casting completed on 26.3.11. - Condenser erection started in 7/11. - TG erection to start by 9/11 Unit-11 - Boiler erection started on 1/ 07/10. - Drum lifted in 2/11. - TG deck column casting is under progress and expected to be completed by 9/11.	
Exp. 2010-11	: Rs 57040 Lakhs							
Exp. 2011-12 (Up to 7/11)	: Rs 24636 Lakhs							
Cumulative Exp Till 7/11	: Rs 107489 lakhs							
Zero Date	:27.02.09							
Date of Fin. Closure.	: Yet to be achieved							
Type of fuel	: COAL(Linkage awaited)							
Date of Main Plant Order	: LOA placed on 31.03.08 on M/s BHEL (BTG)							
Critical Areas	Escrow cover for PFC. EOT Crane availability. Slow progress of work by BHEL							

SOUTHERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN ANDHRA PRADESH

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Orig.		Actual (A)/ As Now exp.		
			Syn. Com	COD	Syn. Com	COD	
1.	Kothagudem TPS St.VI Unit-11 M/s APGENCO Distt. Khammam Unit-1	500 500	 <u>02/10</u> <u>05/10</u>	 06/10	 <u>03/11(A)</u> <u>06/11(A)</u>	 10/11	- Order for main plant placed on M/s BHEL on 22.02.07. - Boiler erection started on 10.04.08 by Indwell.. - Boiler drum lifted on 18. 08.08. - Boiler hydraulic test completed on 23/10/09. BLU: completed on 14th Oct’10. SBO: completed - Condenser erection commenced on 23rd Nov’09 and tube insertion completed. Preparation for condenser hydraulic test in progress. - TG erection commenced on 3rd Dec’09. - LP Rotor received at site on 22nd Nov.10. Initial alignment of LP, IP & HP rotors completed. TG box up done in Dec’10. Unit synchronized on 30-03-11 and achieved a load of 136 MW on two mills. - One TDBFP is ready and other is expected by 31-05-11. - Orders for BOPs including civil works placed on M/s BGR Energy Systems Ltd. on 23.02.08. - Chimney works completed. NDCT: Shell concreting up to 103 lifts completed. Internal fill columns pre-cast beams erection in progress. CHP: One stream is ready; other would get ready by 06/11. 4 mills are ready, other three are in progress. AHP: works are in progress. Fly ash lines for remote Silo work in progress. Works of Ash Pump house control room, switch gear room and blower room in progress. HCSD discharge pipe line work is under progress - FD Fan –B, ID Fan-B trial run completed. ESP: erection work started on 30.04.08 by Indwell. CD pass buffer hoppers work under progress. Control room finishing works are in progress. HFO: tank filling & HFO pumps commissioned. - The unit was re-lighted up on 11-06-11 and synchronized on 13-06-11. Max load of 375 MW was achieved on 14-06-11 at 17:19 hrs. But due to leakage in super heater, the unit was stopped on 17-06-11 at 9:30 hrs. A panel consisting of 9 tubes was damaged. It was replaced. The unit expected to be restarted on 23-06-11. Unit was commissioned on 26-06-2011. 515 MW Max load was achieved at 13:34 Hrs. TDBFP: oil flushing is completed, final alignment is in progress. Solo trial run of TDBFP is to be taken.
Org. Est. Cost :		Rs.216400 Lakh					
Latest. Est. Cost		Rs.232507 Lakh					
Expenditure up to 3/07		:Rs. 8952 Lakh					
During 2007-08		:Rs. 16191 Lakh					
During 2008-09		:Rs. 77810 Lakh					
During 2009-10		:Rs. 68212 Lakh					
During 2010-11 (Upto 08/10)		:Rs. 7465 Lakh					
Financial closure		PFC sanctioned loan amount of Rs 1762 Crs.					
Fuel (Coal) Linkage		: SLC (LT)-2.31 MTA from MCL.					
Power Evacuation :		Kothagudem-Khammam 400 Kv D/C line					
Order Date : Zero date		Placed on BHEL on 22.02.07. : 22.02.07					
Critical Areas	1.	Initial delay in start of boiler erection due to incomplete boiler foundations by BGR Energy (Systems) Ltd.					
	2.	Delay in supply and erection of material by BHEL.					
	3.	Shortage of welders, fitters, rods, benders and erection supervisors					
	4.	Boiler Drum Lifting and Hydro Test milestones delayed by more than 6 months.					
	5.	Initial delays of start of BOPs works by BGR.					
	6.	Unavoidable circumstances like cyclones which disrupted the work.					

BROAD STATUS OF THERMAL POWER PROJECTS IN KARNATAKA

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) now expected			
			Syn. Comm	COD	Syn. Comm	COD		
1.	Bellary TPP St-II Distt. : Bellary M/s Karnataka Power Corpn. Ltd	500					- Boiler: erection started on 17.11.08. EDTA cleaning completed on 20-04-11. 14708 MT materials erected. 1582 MT power cycle piping erected. Erection of mills, PA fan, FD fan & ID fan is in progress. 3600/3750 MT bunker material is fabricated and 3456 MT erected. Erection of seal air fan and A, B, C, D bunkers in progress. Boiler pressure part erection completed. - Drum lifting done on 06-04-09. - HT: conducted on 24-06-10. - BLU: Achieved on 04.02.11. - De-aerator: FST welding completed and LPH-2 & 3 erected. - ESP: erection started on 19.10.08. 7700/7952 MT Material erected. Control room plastering &painting in progress. Piping under path 'C' completed and that under path 'D' is in progress. Ducting with insulation completed - Chimney: Completed in 10/10 - NDCT: All works completed in 10/10 - Condenser: erection commenced on 05-03-10. Tube insertion completed. Front & rear side water box and upper dome wall erection is in progress. - TG: erection commenced in Jun'10. LP casing seal cutting, condenser spray line, ESV, IV, control valve and lube oil piping erection in progress. MOT erected. Oil flushing is completed in 08/11. - TG box-up: completed on 25-07-11. - CWPH: Brick work and plastering in progress. Crane girder erected. Laying and encasement of CW pipes in progress. 1945/2435 MT completed. Raw water piping work in progress. - RO/DM Plant: Brick work & plastering in progress. HP pump, chemical cleaning & utility water pumps, RO stacks, pressure vessel erected SS pipe, hot well make up piping, MB blower and MB tank erection in progress. - PT plant: Main clarifier erected. Bulk storage tank erection work is in progress. - FO System: completed - FP System: Piping and cabling work in progress. - CHP: Erection of JTs, conveyor gallery, Stacker reclaimer foundation in progress. Raft of wagon tippler-3 and crusher house-2 foundations completed.7623/8600 MT structural material fabricated and 5002 MT erected. Priority path to be ready by 30-11-2011 - AHP: Vacuum pump, 3-buffer hoppers, laying of pipes from slurry pump to ash pond completed. Ash slurry pump house, collector tank and silo works are in progress. Bottom ash hopper back filling in progress. AHP wet system to be ready by 30-09-2011. - MDBFP and TDBFP civil works completed Erection is in progress. - AC & Ventilation system works are in progress. Various motors installed and alignment completed in AC system. Trial run is under taken. Erection of blower fan, ducts in TG building and CW pumps is in progress	
	Unit-2	500	11/10 01/11	02/11	11/11 01/11	02/12		
	Date of TEC	: NA						
	Sanctioning Authority	: State Govt.						
	Date of Approval by State Govt.	: 15.06.2002						
	Estd. cost	: Rs.226100 Lakh						
	Latest Estd. Cost	: Rs. 226100 Lakh.						
	Exp .during 2006-07	: Rs. 19.87 Lakh						
	Exp. During 07-08	: Rs. 16773.19 Lakh						
	Exp. During 08-09	: Rs. 37594.43 Lakh						
	Exp.During 09-10	: Rs. 35229.39 Lakh						
	Exp.During 10-11	: Rs. 38829.09 Lakh						
	Exp.During 11-12 up to 07/11	: Rs. 8410.69 Lakh						
	Total Expenditure	: Rs. 1368.56 Crores						
	Financial Closure	: Achieved on 26-09-09						
Type of fuel	: Coal (CIL/MCL)							
Date of Main Plant Order	: 31.08.06							
Order	: BHEL (EPC)							
Zero Date	: 19.09.2007							
Power Purchase Agreement ATS	: Signed with ESCOMS on 18-12-10 : 400 kV Bellary TPS – Hiriya D/C line							

Critical Areas	1. Late receipts of boiler drum from BHEL. 2. Delay in supply & erection of equipment by BHEL. 3. Late finalization of civil works of BOP packages by BHEL particularly CHP due to change in scope. 4. Slow progress of civil works (M/S ERA)
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BROAD STATUS OF THERMAL POWER PROJECTS IN TAMIL NADU

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A)/ As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
State Sector								
1	Mettur TPS St-III TNEB (Distt. Salem)	600					• TNEB permitted to draw 76 cusecs of raw water for St.-I, II & III from Cauvery River. • MOEF clearance accorded on 18.09.07 for 500 MW. Capacity enhanced there after. Clearance also obtained for enhanced capacity for 600 MW on 01-08-11. • M/s DCPL, Chennai is consultant. • Financial tie up made with PFC for Rs2664 cr • Chimney (Haygreeva Ltd.) Shell construction (275 Mtr) completed. Brick lining and insulation works completed. Outer platform nearing completion • NDCT: (Haygreeva Ltd.) Shell construction completed (142 m). Hot water duct and channel work in progress. • CHP: Excavation in wagon tippler & tunnel area in progress. Civil works in SCH, JT, stacker re-claimer in progress. Strl work in PCH completed and that in SCH, JT & stacker re-claimer in progress. • AHS: Ash silo & bottom ash handling system in progress. • RWPH: Civil work in RWPH, clariflocculator, pump house, PTP chemical house & sludge pumps is in progress. • Clarified water tank raft RCC is cast. Column construction and centering work in pump house in progress. • CWS: CWPB Fore bay raft wall, pump floor, structural & roof work in progress. Pumps erection started. Hot & cold water pipes laid. CWPB fore bay PCC work in progress. • F.O: Tanks erected. Outside insulation works in progress. Building is ready. Erection of HFO and LDO Pumps nearing completion and oil pipe line is in progress. • DM Plant: Tank fabricated and pipe erection completed. • FPS: Piping, fire protection and detection works in progress. • Blr: Erection commenced on 29-09-09. Drum lifted on 25-2-10. ID fan erected. Erection of Power cycle pipes and FD fan in progress. Boiler Insulation and cladding work in progress. • HT: Conducted on 25-02-2011. • BLU: expected in 11/ 2011. • Box-up: expected in 10/2011. • ESP: Construction of C&D pass completed and that of A, B pass and control room is in progress. • STG: Condenser ‘A’ erected. Tube erection completed. TG erection started on 03-09-10. Generator erected and motor threaded in. • STG building: Structural works completed. STG Ground floor, TG floor, roof casting, Blr MCC floor are nearing completion. • Switchyard: 220 & 400 kV GIS bldg work completed. 220 kV side energized. 400 kV outside equipment installation work and HT cable laying in progress.	
	U-1	600	04/11 06/11	07/11	12/11 03/12	04/12		
	Date of Sanction	: 01.08.2007						
	Sanctioning Authority	: Govt. of Tamil Nadu						
	Original Est. cost	: Rs 355000 Lakh						
	Estimated cost	: Rs 355000 Lakh						
	Exp. during 2007-2008	: Rs - NIL- Lakh						
	Exp. during 2008-2009	: Rs 3869 Lakh						
	Exp. during 2009-2010	: Rs 51129 Lakh						
	Exp. during 2010-11	: Rs 134781 Lakh						
	Exp. during 2011-12 (upto 07/2011)	: Rs 6486 Lakh						
	Total Expenditure	: Rs 1962.65 Crores						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 25.06.2008 (EPC) on M/s BGR Energy- System Ltd. / M/s DEC, China.						
	Zero Date FUEL LINKAGE :	: 25.06.2008 : Coal linkage for 2.31MTPA is available from Mahanadi coal fields vide Coal India LOA dt. 23.03.2007 for 500MW. LOA for additional requirement for balance 100MW i:e 0.73MTPA is awaited.						
	Evacuation of power:							
400 KV lines								
i) MTPS St-III – Arasur D/C line.								
ii) MTPS St-III – Singarapet D/C line.								
230 KV lines								
i) LILO of MTPS to Gobi line.								
ii) LILO of Malco to Pallakkapalayam line.								
Estimates approved. Work to be completed by July 2010.								
Critical Areas		1. Construction of Coal Handling Plant and Ash Handling Plant 2. Readiness of Unit Control Room 3. Shortage of man power						

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A)/ As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
2	North Chennai TPS St-II TNEB (Distt. Thiruvallur) U-1	1200 600					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 19.01. 08 Main Plant order (EPC) Placed on M/s BHEL on 18.02.08. CPCB: clearance obtained on 26.12.06. Civil Aviation: clearance obtained on 09.10.06 Chimney: (M/s Lanco Infra. Ltd.) Shell and Flue can erection completed for both units. Wiring, light fixing and rock wool insulation works are in progress. CHP: (M/s Tecpro system ltd.) Steel fabrication in prg. 3255/3875 MT steel fabricated and 1614 MT erected. AHP: (M/s Macawber Beekay in Oct'09 and July 10) Super structural work of compressor house, Vacuum pump house and ash silo in progress. Foundations completed in bottom AHS. Buffer fit up for shell 1 and pipe rack cutting in progress. CW System: About 74% PH and intake work completed. 89% hot water channel work completed. Supply of pumps to be started in November 2011 by BHEL. CT: Due to once through cooling system, Cooling Tower is not applicable. RO/DM plant: Order placed on 10.12.10 on Paramount. Civil work completed.55% Mech and 25% Elect item recd. Entire supply expected by 30-09-11. PTP: is not required. CMWS&SB supplies treated water. F.O. System: 90% Pump house structural and building work completed. Engineering for interconnection between existing ST-I HFO tanks and ST-II is in progress. LDO & HFO skids are yet to be supplied. FPS: All hydrants and spray pump grouting completed. Switchyard: 220 kV GIS erection completed. Testing and commissioning is in progress. Erection of 400 kV GIS is in progress Unit-1: Boiler (M/s EDAC): Erection commenced on 1.06.2009. Out of 25000 MT of boiler material, 5730 MT has been erected up to 08/11. Boiler drum: lifted on 12.04.10 HT: expected in 09/2011 BLU: Expected in 11/ 2011 Box-up: Expected in 01/2012 ESP: erection commenced on 05.06.2009. Out of 11267 MT of ESP materials 6126 MT erected up to 08/11. Condenser: Erection started on 20-05-11. Shell welding in 'A' part completed and that in 'B' part is in progress. STG deck: TG deck concreting completed. 5909/5909 MT material fabricated and 5810 MT erected by 08/11	
	Date of Sanction	: 12.12.2005						
	Sanctioning Authority	: Govt. of Tamil Nadu						
	Org. Est. cost	: Rs.339800 Lakh						
	Latest Est. cost	: Rs.355200 Lakh						
	Expd. during 2007-08	: *						
	Expd. during 2010-11	: Rs 141200 Lakh						
	Expd. During 2011-12 (up to August 2011)	: Rs 27807 Lakh						
	Total Expenditure	:Rs 1690.07 Crores						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 18-02-2008 (EPC) on M/s BHEL						
	Zero Date	: 18-02-2008						
	FUEL LINKAGE : (2x600MW) 2.31 MTPA coal linkage from Mahanadi Coal fields was approved vide LOA dt 23.03.2007 for 500MW. LOA for balance 700MW i.e. 3.77 MTPA is yet to be received. <u>Evacuation of power</u> SRPC approved following 400KV feeders on 06.03.2009. i) NCTPS St-II – Alamathi 400KV D/C line (37 Kms) ii) NCTPS St-II – Sunguvachatram 400KV D/C line (70 Kms) D/C link between Vallur TPS and NCTPS available. TNEB is in process of evolving estimate for these lines. * Funding arrangement has been signed between REC, BHEL and TNEB. Procedural formalities were finalized during 2010-11 Expenditures are being booked thereafter.							
	Critical Areas		1. Finalization of loan agreement for Unit-I. 2. Supply of Turbine Modules by BHEL 3. Turbine module dispatched in Feb 2011 4. Supply of CW pumps by BHEL 5. Supply of GT, LDO & HFO skids DM plant material					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As now Expected		
			Syn. Comm	COD	Syn. Comm	COD	
3	North Chennai TPS St-II TNEB (Distt. Thiruvallur) U-2	1200					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 27.06.2008. - Advance released to BHEL on 16.08.08 & 30.03.09. - Letter of Intent (LOI) issued to BHEL on 04.09.2008. BOPs are common for both units. Unit-II: Boiler (M/s UB Engg.): erection started on 31.07.09. Out of 25000 MT materials 8306 MT has been erected up to 08/11. - Boiler drum lifted on 24-03-10. HT: Conducted on 28-03-2011. BLU: Expected in 10/ 2011 Box-up: Expected in 12/ 2011 ESP erection started on 10.08.09. Out of 11253 MT materials, 6912 MT erected up to 08/11. - Power house super structure erection is in progress. 9589/9829 MT material fabricated and 4640 MT erected by 08/11. Condenser: Erection started on 24-05-11. Side wall fit up in part ‘A’ and shell welding in part ‘B’ is in progress. STG deck: TG deck concreting completed. 9829 out of 9699 MT fabricated and 8725 MT erected by 08/11. Plate blue matching work completed. LP heaters lowered, 2A positioned and 3rd positioning is in progress.
		600	08/11 10/11	11/1 1	01/12 03/12	03/12	
	Date of Sanction	: 25.06.2008					
	Sanctioning Authority	: Govt. of Tamil Nadu					
	Org. Est. cost	: Rs.271875 Lakh					
	Latest Est. cost	: -					
	Expd. during 2008-09	: Rs 21750 Lakh					
	Expd. during 2009-10	: Rs 42018 Lakh					
	Expd. during 2010-11	: Rs. 55987 Lakh					
	Expd. during 2011-12 (Up to August 11)	: Rs. 19383 Lakh					
	Total Expenditure	: Rs. 1391.38 Crores					
	Type of fuel	: COAL					
	Date of Main Plant Order	: 16-08-2008 (EPC) on M/s BHEL					
	Financial Closure	: Achieved. Tied up with REC by TANGEDCO					
	Zero Date	: 16-08-2008					
Critical Areas		1. Supply of Turbine modules and CW pumps 2. Generator Transformers are still under manufacturing process. 3. Delay in supply of generator. It is under transition form 27-06-11, traveled only 635 km.					

EASTERN REGION

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BROAD STATUS OF THERMAL POWER PROJECTS IN WEST BENGAL

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/As now expected		
			Syn. Com.	COD	Syn. Com.	COD	
II	STATE SECTOR						
1.	Santaldih TPP (West Bengal Power Development Corpn. Ltd.) Distt. Purulia	250					- Boiler erection commenced on 25/04/08 - Boiler drum lifted on 02nd Oct’08. - Boiler hydraulic test is completed on 07.12.09.BLU is completed on 10.05.10.Unit Synchronised on 21.11.10 - TG Box up completed in Aug 2010. - HP Turbine after rectification reached at site and erected. Oil flushing and insulation work is inprogress. - Re- synchronization and full load achieved on 29.6.11.
Unit-6	250	<u>07/09</u> 08/09	09/09	<u>11/10(A)</u> <u>06/11(A)</u>	08/11		
Date of TEC :		Not Required					
Sanctioning Authority :		State Govt, West Bengal					
Original Est. Cost :		Rs. 1 00 000 lakhs					
Latest Est. Cost :		Rs. 1 00 000 lakhs					
Expnd.Upto Mar’07 :		Rs. 2500 lakhs.					
Expnd.During 2007-08 : During 2008-09 (upto09/08)		Rs. 11000 lakhs. Rs. 12000 Lakhs					
Type of Fuel :		Coal					
Fuel linkage :		Min.of Coal assured for supply of 1.31 MTPA coal.					
Date of Main Plant Order :		23rd March’07 on M/s BHEL					
Power Evacuation		Existing transmission system along with implementation of 220kV Double circuit STPS-Bishnupur transmission line is adequate for evacuation of power.					
	Critical Areas/Reasons for delay						

NORTH EASTERN REGION

BROAD STATUS OF THERMAL POWER PROJECT IN ASSAM

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Present Status
			Original		Actual/As now expected		
			Syn Com	COD	Syn Com	COD	
	PROJECT UNDER CONSTRUCTION STATE SECTOR						
1.	Lakwa Waste Heat Recovery Project Distt. : Sibsagar Assam Assam Power Generating Company Ltd (APGCL)	37.2					- Gas turbines are in operation. - On-going project relates to installation of Waste Heat Recovery Unit. <u>Status of WHRU is as under</u> - Boiler erection team mobilized at site in Aug’07. Erection of HRSG-I & II commenced on 15th Nov’08 and 07th February’08 respectively. - Drum lifting for HRSG-I & II completed in June’09 and Feb ‘09 respectively. - New Sub-contractor of BHEL “M/s Raj Shekhar Const. Pvt. Ltd started balance civil work. - HRSG-III Erection started and Drum lifted. - Hydro Test of HRSG I &II completed in 10/10 and for HRSG III is expected by 9/11. - SBO for HRSG-II done & for HRSG III is under progress.
	ST	37.2	04/08 05/08	06/08	06/11 09/11	11/11	
	Date of TEC		: 12/99				
	Date of sanction		: 01/2001				
	Sanctioning Authority		: State Govt., ASSAM				
	Orig. Approved cost		: R.16110 lakhs				
	Latest Approved cost		Rs. 23640 lakhs (PIB Approval)				
	Expd. during 2006-07		: Rs 4209 Lakhs.				
	Expd. during 2007-08		: Rs. 6801 Lakhs				
	Expd. during 2008-09		: Rs. 5296 Lakhs				
	Expd. during 2009-10		: Rs. 3432 Lakhs				
	Expd. during 2010-11		: Rs. 768 Lakhs				
	Expd. during 2011-12 (8/11)		: Rs. 0 Lakhs				
	Cumulative Exp. up to 8/11		: Rs.20521 Lakhs				
	Funding		: Govt. of Assam / PFC				
	Type of Fuel		: Natural Gas				
	Source of Fuel :		: From existing Plant (Waste Reheat Plant)				
	Date of Main Plant Order		: 20.03.06 (EPC contract on M/s BHEL)				
	Power Evacuation		: Through Existing 132 kV Lakwa- Dibrugarh Line				
	Critical Areas		Labour problem, Readiness of DM /PT plant, Slow progress of civil works				

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. comm	COD	Syn. comm	COD	
1.	Namrup Replacement Power Project Distt:Dibrugarh (Assam) APGCL	100					- 30 Acres of land required for the project is available. Store sheds/ Roads/ Township/ Misc building exists. Const power/ Water / boundry wall exists. - Work of total erection, commissioning, PG Test and all BOPs (ordering and execution) has been allotted to M/s NBPPL (Joint venture of NTPC & BHEL) on nomination basis with approval of APGCL. - S/yard civil works awarded by BHE and are under progress. - Main plant civil works started in 4/10. - Piling works are under progress in plant area. - GTG foundation PCC completed. - Erection of GT is expected to be commenced by 1/12. - 70% of BOP packages ordered.
	GT	70	<u>10/2011</u> 1 01/2012	01/2012	<u>10/2012</u> 2 12/2012	01/2013	
	ST	30	<u>11/2011</u> 1 01/2012	01/2012	<u>11/2012</u> 2 12/2012	01/2013	
	Date of sanction of the project		17.03.2007				
	Project sanctioning Authority		Govt of Assam				
	Date of Investment Approval		17.03.2007				
	Org. Est. cost		Rs 41100 Lakhs				
	Latest cost		Rs 69400 Lakhs				
	Exp. During 2007-08		Rs 23 Lakhs				
	Exp. During 2008-09		Rs 1816 Lakhs				
	Exp. During 2009-10		Rs 1799 Lakhs				
	Exp. During 2010-11 (up to 12/10)		Rs 2159 Lakhs				
	Cumulative Exp up to 12/10		Rs 5797 Lakhs				
	Date of Main Plant Order (LOI)		: 09.02.2009 (EPC) on M/s BHEL				
	Zero date of the project		: 09.02.2009				
	Type of fuel		Natural Gas				
	Fuel Source		Gas supply agreement made with Oil India Limited for 0.66 MMSCMD of natural gas. Gas Transportation agreement with Assam Gas Company Ltd. through existing Gas supply line to NTPS.				
	Power Evacuation		A LILO of about 1 KM will be constructed to connect with the existing Namrup – Tinsukia 220 kV D/C line.				
	Critical Areas		Slow progress of civil works				