



**भारत सरकार
विद्युत मंत्रालय**

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

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

July 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 the 29th July, 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 31.07.11)

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	Durgapur Steel TPS U-2# DVC	BHEL	27.07.07	Oct-10	500	Jan-12	Jan-12		
6	Neyveli TPS-II Exp. U-1# NLC	BHEL	19.08.05	Feb-09	250	Oct-11	Aug-11		
7	Indira Gandhi TPP U-2 APCPL	BHEL	07.06.07	Jun-11	500	Nov-11	Nov-11		
	Total of Central Sector				3570			1660	
	State Sector								
8	Khaperkheda TPS Expn. U- 5# MSPGCL	BHEL	01.01.07	Jun-10	500	Jun-11	Aug-11		
9	Santal dih TPP Extn Ph-II U- 6# WBPDCCL	BHEL	23.03.07	Aug-09	250	Jul-11	29.06.11(A)	250	
10	Bhusawal TPS Expn. U-4# MSPGCL	BHEL	23.01.07	Sep-10	500	Jul-11	Aug-11		
11	Bhusawal TPS Expn. U-5 MSPGCL	BHEL	23.01.07	Jan-11	500	Jan-12	Jan-12		
12	Kothagudem TPP -VI U-1 APGENCO	BHEL	22.02.07	May-10	500	Jun-11	26.06.11(A)	500	
13	Pragati CCGT - III ST-1# PPCL	BHEL	30.05.08	Jul-10	250	Oct-11	Oct-11		
14	Pragati CCGT - III GT-3# PPCL	BHEL	30.05.08	Jul-10	250	Sep-11	Sep-11		
15	Harduaganj Ext. U-8# UPRVUNL	BHEL	28.06.06	Aug-09	250	Sep-11	Sep-11		
16	Harduaganj Ext. U-9# UPRVUNL	BHEL	28.06.06	Dec-09	250	Feb-12	Feb-12		
17	Hazira CCPP Extn. GT+ST # GSECL	BHEL	01.01.08	Mar-10	351	Aug-11	Aug-11		
18	Bellary TPP St-II U-2 KPCL	BHEL	31.08.06	Jan-11	500	Nov-11	Jan.12		
	Total of State Sector				4101			750	
	Private Sector								
19	JSW Ratnagiri TPP U-3# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Jul-10	300	May-11	06.05.11(A)	300	
20	JSW Ratnagiri TPP U-4# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Sep-10	300	Oct-11	Oct-11		
21	Anpara-C TPS U-1# Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	Jun-11	600	Jul-11	Nov-11		
22	Anpara-C TPS U-2 Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	May-11	600	Oct-11	Oct-11		
23	Maithon RB TPP U-1# DVC- JV Tata	BHEL	25.10.07	Oct-10	525	Jun-11	30.06.11(A)	525	
24	Maithon RB TPP U-2 MPL JV of DVC and Tata Power	BHEL	25.10.07	Apr-11	525	Jan-12	Jan-12		
25	Udupi TPP U-2# NPCL	Chinese	24.12.06	Dec-06	600	Apr-11	17.04.11(A)	600	

26	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	
27	Jallipa- Kapurdi TPP U-3# Raj west power Ltd	Chinese	Mar-07	Mar-10	135	Aug-11	Aug-11		
28	Mundra TPP Ph-II U-2 Adani Power Ltd	Chinese	09.06.07	Aug-11	660	Aug-11	20.07.11(A)	660	
29	Mundra Ultra Mega TPP U-1 Tata Power Co.	Others	12.01.06	May-11	800	Aug-11	Aug-11		
30	Tirora TPP Ph-I U-1 Adani Power Ltd	Chinese	Feb-08	Apr-11	660	Jan-12	Jan-12		
31	Sterlite (Jharsugda) U-3	Chinese	10.05.06	Jul-09	600	Oct-11	Oct-11		
Total of Private Sector					6440			2220	
Total 2011-12					14111			4630	
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 31.07.11)	4630	-
	Total Capacity achieved till date (31.07.11)	34091.2*	880
(vi)	Capacity under construction for 11 th Plan (with high degree of certainty)	18071.7	2500
	Total	52162.9	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	Kahalgaon 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 / WBPDCL	U-5	250	07/2004	01/2007	07.11.07(A)	250
9	Sagardighi TPP	WB / WBPDCL	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 / WBPDCL	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

Sl 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 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	Kahalgaoon 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 / WBPDC	U-2	300	07/2004	04/2007	20.07.08(A)	300
4	Bakreshwar TPS-II	WB / WBPDC	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	Kahalgaon 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/ Actual Date of Comm.
5	Mundra TPP Ph-I 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 Lignite 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	Comm. Cap. (MW)	Actual/ Ant Comm. Date
A	CENTRAL SECTOR							
1	Barsingar 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 CCGT Extn.	GSECL	GT	01.01.08	223	02/2010		Slipped
			ST		128	04/2010		Slipped
14	Pipavav CCGT	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	APGENCO	U-1	27.07.06	500	05/2009	500	27.05.10(A)
19	Rayalseema TPP St-III	APGENCO	U-5	06.02.07	210	10/2009	210	31.12.10(A)
20	Parichha Extn	UPRVUNL	U-5	28.06.06	250	06/2009		Slipped
			U-6		250	10/2009		Slipped
21	Harduaganj Ext	UPRVUNL	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 CCGT	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 CCGT	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)

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Anticipated Comm. Date</i>
<u>CENTRAL SECTOR</u>					
AP	Simhadri STPP Extn.	NTPC	U-4	500	06/2012
Assam	Bongaigaon TPP	NTPC	U-1	250	07/2012
			U-2	250	11/2012
			U-3#	250	03/2013
Chhattisgarh	Sipat-I	NTPC	U-2#	660	11/2011
			U-3#	660	05/2012
Haryana	Indira Gandhi TPP	APCPL	U-2	500	11/2011
			U-3	500	05/2012
Jharkhand	Kodarma TPP	DVC	U-2	500	06/2012
Jharkhand	Maithon RB TPP	DVC	U-2	525	11/2011
Maharashtra	Mauda TPP	NTPC	U-1#	500	05/2012
MP	Vindhyachal TPP-IV	NTPC	U-11#	500	06/2012
TN	Neyveli TPS-II Exp.	NLC	U-1	250	06/2011
			U-2	250	05/2012
TN	Vallur TPP Ph I	NTECL	U-1	500	02/2012
			U-2	500	05/2012
UP	Rihand TPP- III	NTPC	U-5#	500	05/2012
WB	Durgapur Steel TPS	DVC	U-1	500	06/2011
			U-2	500	11/2011
WB	Raghunathpur TPP, Ph-I	DVC	U-1	600	06/2012
			U-2	600	12/2012
			<i>Sub Total :</i>	9795	
<u>STATE SECTOR</u>					
Assam	Lakwa Waste Heat Unit	APGCL	ST	37.2	07/2012
Assam	Namrup CCGT	APGCL	GT#	70	05/2013
			ST#	30	05/2013
Delhi	Pragati CCGT - III	PPCL	GT-3	250	08/2011
			GT-4	250	01/2012
			ST-1	250	07/2011
			ST-2	250	08/2012
Gujarat	Hazira CCGT Extn.	GSECL	GT+ST	351	09/2011
Gujarat	Pipavav CCGT	GSECL	Block-1	351	09/2011
			Block-2	351	08/2012
Gujarat	Ukai TPP Extn.	GSECL	U-6	490	06/2012
Karnataka	Bellary TPP St-II	KPCL	U-2	500	11/2011

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Anticipated Comm. Date</i>
Maharashtra	Bhusawal TPS Expn.	MSPGCL	U-4	500	05/2011
			U-5	500	10/2011
Maharashtra	Khaperkheda TPS Expn.	MSPGCL	U-5	500	05/2011
MP	Satpura TPP Extn	MPPGCL	U-10#	250	06/2012
TN	Mettur TPP Ext	TNEB	U-1	600	11/2011
TN	North Chennai Extn, U-1	TNEB	U-1	600	06/2012
TN	North Chennai Extn, U-2	TNEB	U-2	600	08/2012
UP	Anpara-D	UPRVUNL	U- 1#	500	06/2012
UP	Harduaganj Ext	UPRVUNL	U-8	250	08/2011
			U-9	250	12/2011
UP	Parichha Extn	UPRVUNL	U-5	250	05/2012
			U-6	250	08/2012
Sub Total :				8230.2	
<u>PRIVATE SECTOR</u>					
Delhi	Rithala CCPP	NDPL	ST	36.5	06/2011
Gujarat	Mundra TPP Ph-III	Adani Power Ltd	U-1	660	05/2011
			U-2#	660	07/2012
			U-3#	660	11/2012
Gujarat	Mundra UMTTP	Tata Power Co.	U-1	800	10/2011
			U-2#	800	05/2012
Maharashtra	JSW Ratnagiri TPP	JSW Energy(Ratnagiri) Ltd	U-4	300	09/2011
Maharashtra	Tirora TPP Ph-I	Adani Power Ltd	U-1	660	10/2011
			U-2#	660	05/2012
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	U-1#	660	05/2012
MP	Sasan UMPP	Reliance Power Ltd.	U-1#	660	12/2012
Orissa	Sterlite TPP	Sterlite Energy Ltd.	U-3#	600	09/2011
			U-4#	600	01/2012
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	U-3	135	07/2011
			U-4	135	01/2012
			U-5	135	04/2012
			U-6	135	06/2012
			U-7	135	10/2012
			U-8	135	08/2012
UP	Anpara-C	Lanco Anpara Power Pvt. Ltd.	U-1	600	07/2011
			U-2	600	08/2011
UP	Rosa TPP Ph-II	Reliance Power Ltd.	U-3#	300	04/2012
			U-4#	300	07/2012
Sub Total :				10366.5	
Total :				28391.7	

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	1000 500 500	 <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>11/11</u> 12/11	 07/11 12/11	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. CWPH 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. <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 Aug’11. - Condenser & TG erection re-commenced in 04/11 and in progress. • TG box up expected by Sept’11.
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		: 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.					
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 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	1000 500 500	 11/10 01/11 05/11 07/11	 02/11 08/11	 09/11 10/11 01/12 02/12	 11/11 02/12	• Chimney: U-1 finishing works in progress.U-2 flue can erection in progress .Flue gas duct erection completed. • CHP: Intl & extnl. Piling& fdns in progress.TP-6&8 erection completed, conveyor gallery in progress. • External CHP: Structural erection in progress. Coal pipe erection in progress. • AHP: Bottom ash hopper fill test completed, Refractory in progress. • 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. • FD Fan-B trial run completed, ID Fan-B LO flushing completed. • RHS & LHS bunker erection in progress. <u>UNIT-1</u> ▪ Boiler erection commenced on 05.01.09. 18640/20488 MT boiler material erected up to 06/11. • ESP erection commenced on 25/03/09.Out of 12587 MT of ESP material, 9680MT has been erected up to 06/11.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: expected in 07/11. • 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. • Box-up expected in Aug 11. <u>UNIT-2</u> • Boiler Erection commenced on 18/ 07/09. 16242/20488 MT boiler material erected up to 06/11. Ducting work in progress. • ESP erection commenced in 08/09. 5793/12578 MT material erected up to 06/11.Ducting, electrode fixing in progress. • Boiler Drum lifting done in 12/09. • HT Completed in Dec. 10 • BLU expected in Sept' 11. • Condenser erection started in 09/10. • TG erection started in March' 11.TG floors casting in progress. • Box-up expected by 12/11. • Switchgear: 400 kV GIS S/Yard relay testing completed.
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 06/11) Type of Fuel Date of Main Plant Order Zero Date Fuel Linkage Asso.Transmission system		: 14/07/2007 : NTECL Board : Rs 542355 Lakh (Cost Ratio is 50:50) : Rs 555278 Lakh : Rs 29 Lakh : Rs 296 Lakh : Rs 37599 Lakh : Rs 63749 Lakh : Rs 148441 Lakh : Rs 137292 Lakh : Rs : Rs 9138 Lakh : Coal (MCL coal fields) : 13.08.2007 (SG&TG) on M/S BHEL : 13/ 08/2007 : MCL asked NTECL for bank guarantee of Rs 20.33 Crs. before issue of LOA which was given in 06/09. LOA awaited from MCL. : 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 Areas		. Slow progress in CW ducting. Fuel oil & burner for U-1.DM Plant, Raw water, CHP (delay in placement of order) Receipt of Generator at site. Supply of Generator transformer & Station transformer for unit-2.					

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.)	500					• MOEF: Clearance obtained on 03.06.09 • CRZ : clearance obtained on 14.07.09 • Chimney: 163 mtr shell concreting completed upto 06/11. Flue can fabrication in progress. • Concreting , fabrication & erection of structure in progress in Main Plant area . • Blr erection started on 30.06.10. 2865/20000 MT material erected up to 06/11. • Drum received at site and is expected to be lifted in 07/11. • ESP column erection started in Dec. 2010. 1580/9000 MT erected upto 06/11. • Cond. Erection start expected by 08/11 • TG deck Columns, beams and condenser wall concreting works in progress. • TG erection to start in 08/11. • BOPs packages included under Ph-I.
Unit-3	500	09/12 11/12	12/12	09/12 12/12	12/12		
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 15.91 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		Completion of Boiler drum lifting					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			<u>Syn. com.</u>	COD	<u>Syn. com</u>	COD		
4.	Sipat STPP St-I (Super Critical Units) (Dist. Bilaspur, Chhattisgarh)	1980					<u>Unit-1</u> 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-1	660	<u>04/08</u> <u>12/10*</u> 09/08	10/08	02/11 (A) 06/11(A)	06/11	<u>Unit-2</u> 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 completion is expected in 07/11. 5. TG erection started in 06/07 and Box up completed on 31.01.11. 6. Oil flushing completion is expected in 07/11. 7. TG deck floating expected by 15.07.11. 8. TG on BG is expected in 07/11. <u>Unit-3</u> 1. Boiler erection commenced in 1/06. 2. Boiler HT completed in 02/09. 3. BLU expected in 08/11. 4. Condenser erection started in 5/07. 5. TG erection started in 4/08. 6. TG box up is expected in 08/11.	
	Unit-2	660	<u>02/09</u> <u>06/11*</u> 07/09	08/09	<u>08/11</u> 08/11	08/11		
	Unit-3	660	<u>12/09</u> <u>12/11*</u> 05/10	06/10	<u>12/11</u> 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						
	Exp. During 09-10	:Rs. 74805 Lakhs						
	Exp. During 10-11 (Upto 03/11)	:Rs. 34277 Lakhs						
	Exp. During 11-12 (Upto 05/11)	:Rs. 6200 Lakhs						
	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 : Supply of Temp elements , DDC/Personality modules, balance valves, priority cannibalized items, etc, for U#2 commg . Unit-3: Repair of LP Rotor (1no), IPT diaphragms (7 nos), Brg no-3 is critical for Unit-3 TG Box up.						
	*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 May’12. BOPs 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 03/12	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	Foundations of TDBFP-A , Main control room ,VFD control room, Supply of HPT,IPT & Generator for unit-1.						

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 11/11. - TG deck casting completed. - Condenser erection commenced on 24.05.11. - o TG erection commencement by 07/11.	
	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						
	Cum. Exp. Upto 03/09	: Rs.28640 lakhs						
	Exp.During 2009-10	:Rs.31371 Lakhs.						
	Exp.During 2010-11	: Rs 112589 lakhs						
	Exp.During 2011-12	: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	Delay in material supply : IPT, Gen.,HPT,RFD valve,, MS piping, HRH piping, CC pump , Critical piping.						

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 • 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 7/12. 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 is expected to start in 7/11.
Unit-11	500	<u>04/12</u> 08/12	09/12	<u>03/12</u> 03/12	04/12		
Unit-12	500	<u>10/12</u> 02/13	03/13	<u>10/12</u> 12/12	01/13		
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 46100 Lakhs					
Exp. 2010-11		: Rs 112620 Lakhs					
Exp. During 2011-12 (up to 4/11)		: Rs. 3300 lakhs					
Cumulative Exp (up to 4/11)		: Rs.191000 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					
Critical Areas		Generator and TG supplies .					

			<u>Syn.</u> comm	COD	<u>Syn.</u> comm	COD	
8	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 in progress. St-I & II completed. St-III is exp. To start from 28.07.11. 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. TG deck casting completed on 14.02.10. TG erection start but progress is very slow. CHP: Stacker – 2 beam erection, intermediate conveyor, vibrating screen erection completed. WT-3 – Side arm charger placed. Apron feeder work is in progress. AHP Two transport air compressors are in service. IIIrd TAC is to be made ready. HCSD pumps – Pump-1 Farming and flushing and line up to date done. CT-2&3 shell casting completed. Internal Grillage work is in progress.
	U-1	500	<u>07/10</u> 09/10	10/10	<u>10/10(A)</u> 10/10(A)	(A)	
	U-2	500	<u>10/10</u> 12/10	01/11	<u>09/11</u> 11/11	-	
	U-3	500	<u>01/11</u> 03/11	04/11	<u>03/12</u> 04/12	-	
	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 (up to 04/2010)	: Rs 8793 lakhs					
	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 P-91 joints & flue gas ducting. Completion of balance CW joint. Completion P-91 July. U-3: TG- Readiness of balance foundation and floors in main building..					

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	
9	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 pedestal under progress. Erection expected to start in 6/2011. Unit-2: - Boiler Erection started on 10th March., 2010. - Drum lifted in 10/2010. - Hydro test expected in 08/2011. - Condenser erection expected to start by 08/2011. - TG erection expected to start in by 9/11. Unit-3: - Boiler Erection expected to start in 8/11. - 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 4/11)		: Rs 5000 lakhs				
	Type of fuel		: Coal				
	Date of Main Plant Order		: 05/02/08 , BHEL				
	Coal Source and Transportation :		Source of Coal & Transportation : 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. Re-award of civil works for unit-2&3. Heavy rains					

**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 synchronization and commissioning expected in 06/11 and 07/11 respectively. <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 Aug,11. TG erection is started on 27.07.10. TG box up expected in 08/11. Unit synchronisation and commissioning is expected by 11/11 & 12/11 respectively.
	Unit-1	500	06/10 07/10	07/10	06/11* 07/11*		
	Unit-2	500	10/10 11/10	01/11	11/11 12/11		
	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-1: Ash Pond & DSP land acquisition construction of balance boundary line. Unit-2: Supply of 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	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.
	Unit-1	500	05/10 06/10	06/10	06/11(A) 07/11(A)		
	Unit-2	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.					

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-1	600	09/10 10/10	11/10	* *		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	600	12/10 01/11	02/11	* *		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.
	Investment approval. : 30.04.2007 (DVC Board)						Common area:
	Estimated cost : Rs.412200 lakhs						1) Chimney- Shell casting completed.
	Exp. During 2006-07 : Rs 40.92 Lakhs						2) Switchyard- Earth work completed. Structural erection is in progress.
	Cumul. Exp. 2006-07 : Rs 40.92 Lakhs						3) Compressor building, canteen building, chemical laboratory, maintenance building and permanent store: RCC work almost completed.
	Exp. During 2007-08 : Rs 39620.00 Lakhs						4) Coal Handling Plant: Civil works are in progress.
	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 on 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 Stopped work of NDCT-I due to lesser reinforcement in shell wall. Adequate man power & resources, Delay in supply from SEC, China, Chimney work slow,				

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.	Maithon R/B TPP (MPL – a JV Co. of DVC & Tata Power), PO-Nirsa Distt. Dhanbad, Jharkhand	1050					(i) DVC Board on 24.03.05 ratified the ownership pattern of 26% (DVC) and 74% (TPC) Status: Unit-1: (i) Boiler erection of unit-1 was started on 08.09.2008. Drum lifted on 22.03.09. Boiler hydro test completed on 24th Mar'10. Boiler lighted up on 5.12.10. One pass of ESP is yet to be made ready., (ii) TG deck casting was completed on 21.06.2009. Condenser erection work started on 10.08.09. TG erection started in Dec'09. TG boxed-up on 2/11/10. The unit was synchronized on 23.3.11 and achieved Full load on 30.06.11. Unit-2: (iii) Boiler erection started in 21 Jan'09. Drum lifted on 03.08.09. Boiler hydro test is completed in 11/10. (iv) TG: TG erection started in 8/10. Box up expected in 9/11. (v) Chimney – Flue can brick work is in progress and is expected to be completed in 7/11. (vi) CHP: ME-2 tunnel works are in progress. Paddle feeders erection are also in progress. (vii) Synchronization and commissioning expected in 11/11 and 12/11 respectively.
Unit-1		525	09/10 10/10	12/10	03/11 (A)		
Unit-2		525	03/11 04/11	06/11	06/11 (A)		
					11/11 12/11		
Est. cost (Based on A.P. 07-08)		: Rs. 445500 lakhs (DVC contr.-34710)					
Type of fuel		: Coal					
Main Plant Order(EPC) on BHEL		: 25.10.2007					
Exp. During 2006-07		: Rs 1649.87 Lakhs					
Cumul. Exp. 2006-07		: Rs 1649.87 Lakhs					
Exp. During 2007-08		: Rs 35433.96 Lakhs					
Cumul. Exp. 2007-08		: Rs 37083.83 lakhs					
Exp. During 2008-09		: Rs 68350.00 Lakhs					
Cumul. Exp. 2008-09		: Rs 105433.83 Lakhs					
Exp. During 2009-10		: Rs 105007.00 Lakhs					
Cumul. Exp.2009-10		: Rs 207882.83 Lakhs (Jan_10)					
Power Evacuation System:							
a) Open access by PGCIL for evacuation and startup power.							
Fuel Supply Arrangement:							
a) SLC (LT) granted long term linkage for 4.864 MTPA for BCCL.							
b) MT(0.5 MT each from Karo OCP & Khasmahal OCP) from CCL							
c) MT out of middling from Tata Steel							
Zero date of the project : 25.10.2007 (BTG ORDER)							
Critical Areas		Unit-2 : Readiness of CHP, FD & PA fan foundations, Readiness of Railway line.					

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

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
1.	Neyveli TPS-II Exp.*	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 available to all packages from 05-10-10. • AHS & LHS works are in progress. Ash pipes erection is in progress in U-2. • RO/DM plant commissioned in April, 2011. • FP System: This system is in service. 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 completed on 28-02-11. • TG: Cond 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: Completed. • Unit was synch on 18-05-11. Lignite firing done on 22.06.11. Re-synchronised on 27.06.11. on lignite Lignite bunker chocked. Modification work under process. 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. • 49357/56247 welding joints completed • Refractory: (4630 MT) started on 02.4.11. 1770/4630 MT material erected by 24-07-2011. • 950/1400 MT insulation erected • HT: conducted on 30/ 07/2010. • BLU: is expected in 11/11 • 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	
	NLC (Distt. Cuddalore, TN.)							
	U-1	250	11/08 02/09	02/09	05/11(A) 07/11	07/11		
	U-2	250	03/09 06/09	06/09	01/12 02/12	03/12		
	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						
	Type of Fuel	Lignite:						
	Date of Main Plant Order	:19.8.2005 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 10 th plan								
Critical Areas	1. Shortage of HP Welders and Manpower 2. Refractory work 3. Lignite bunker mat to be supplied							

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>09/10</u> (09/10) <u>11/10</u> (11/10)	<u>04/10</u> (24/10/10(A)) <u>2/11(A)</u> 2/11(A) <u>08/11</u> (08/11)	 <u>10/11</u> (10/11) <u>12/11</u> (02/12)	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 f) ST#1 lube oil flushing done. RO DM water reached at site for alkali boil out. g) GT #3 Turbine and Generator on foundation. Generator Thread in completed. h) GT # 4 dispatched from BHEL Hyderabad on 20/05/2011 yet to reach 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 : M/s BHEL (30.5.2008) (Rs.349999 lakhs) Order (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					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
Private Sector							
1.	Rithala CCPP, North Delhi Power Ltd., (Delhi) GT-1&2 ST	108 108	06/09 07/09 08/09	08/09	20/11/10(A) 02/11(A) 07/11	07/11	- 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).	
Critical Areas		Readiness of Water treatment Plant					

BROAD STATUS OF THERMAL POWER PROJECTS IN RAJASTHAN

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		
C	Private Sector							
1	Jalipa Kapurdi TPP Raj West power ltd. (Distt. Barmer)	1080					<u>BOPs</u> a) 6.6kV/440V dry type transformers and turbine MCC charged b) 183 km of RW pipeline laid. <u>Unit-1</u> Unit synchronized on 17.08.09, commissioned on 16.10.09 and COD achieved on 26 th Nov. 09. <u>Unit-2</u> Unit synchronized on 16 th June'10, achieved full load on 8.7.10 and COD achieved on 4 th Oct. 10. <u>Unit-3</u> Unit synchronized in 5/11, full load and COD is now expected in 7/11. <u>Unit-4</u> a) Drum lifting completed on 2.6.08. Boiler structure erection 99.5% completed. b) Boiler Hydro test completed. c) TG box up completed. d) Steam blowing activity completed. <u>Unit-5</u> 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. d) ESP erection 100% completed. e) Turbine & Aux. 88% completed. <u>Unit-6</u> a) Boiler structure work completed. b) Boiler Hydro test completed on 18.11.10 c) ESP structure work 100% completed. APH erection 99% completed. d) Chimney for Unit 5&6 completed. f) Turbine & Aux. 69% completed. <u>Unit-7</u> a) Boiler structure work 87% & APH erection 87% completed. b) Pressure part erection 95% completed. c) Common chimney for Unit-7&8 completed. <u>Unit-8</u> a) Boiler structure work 90% & APH erection 98% completed. b) Turbine & Aux. 51% completed. c) Boiler Hydro test completed. d) Common chimney for Unit-7&8 completed.	
	U –1	135	<u>09/09</u> (10/09)	10/09	<u>08/09(A)</u> 10/09(A)	11/09 (A)		
	U-2	135	<u>10/09</u> (11/09)	11/09	<u>6/10(A)</u> 7/10(A)	10/10 (A)		
	U-3	135	<u>12/09</u> (01/10)	01/10	<u>05/11(A)</u> 07/11	07/11		
	U-4	135	<u>02/10</u> (03/10)	03/10	<u>08/11</u> (10/11)	09/11		
	U-5	135	<u>05/10</u> (07/10)	07/10	<u>03/12</u> (04/12)	05/12		
	U-6	135	<u>07/10</u> (08/10)	08/10	<u>05/12</u> (06/12)	07/12		
	U-7	135	<u>08/10</u> (09/10)	09/10	<u>09/12</u> (10/12)	11/12		
	U-8	135	<u>11/10</u> (12/10)	12/10	<u>06/12</u> (08/12)	10/12		
	Est. approved cost		` 507500 lakhs					
	Revised cost		` 507500 lakhs					
	Exp. During 2007-08		` 105496 lakhs					
	Exp. During 2008-09		` 236408 lakhs					
	Exp. Upto 2009-10(upto 9/09)		` 48862 lakhs					
	Exp. During 2010-11		` -- Lakhs					
	Type of fuel		Lignite					
	Fuel Linkage		Captive coal mines from Jallipa & 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 labor 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 b) <u>IDCT</u> : Near completion c) Civil work of Fuel oil handling system is in progress. 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: Condenser erection started on 20.06.09 & TG erection commenced on 01.07.09. LP casing, HP Turbine, Stator placed on foundation. TG box up (24.4.10) Unit-6: a) Boiler drum lifted on 4.12.08. b) Boiler hydro test conducted on 16.11.09 c) Boiler light up by 10/11.
	Unit-5	250	04/09 06/09	07/09	11/11	04/12	
	Unit-6	250	08/09 10/09	11/09	02/12	06/12	
	Date of approval by State Govt.						
	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)				

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. BOPs: - Chimney erection and flue can erection for U# 8 completed in 03/11. - PCC work of wagon Tippler-1&2 Completed - AHP work in advance stage - DM tank foundation completed. Cooling Tower is ready Unit-8: - Boiler erection commenced on 25thAug'08. Boiler drum lifting completed on 25/01/09. - Boiler hydraulic test is done February, 11. - BLU on 25/03/2011 (A) - TG box completed. Unit-9: - Boiler erection commenced on 20.11.08 Boiler drum lifting completed on 31/03/09. - Boiler hydraulic test is expected by 09/11. - Boiler light up is expected in 10/2011, - TG Box up by 09/11. - Commissioning is expected in 12/2011
	Unit-8	250	08/09 09/09	10/09	7/11 08/11	08/11	
	Unit-9	250	12/09 01/10	02/10	08/11 12/11	12/11	
	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				

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-1	500	<u>02/11</u> 03/11	04/11	<u>12/11</u> 03/12*	04/13	b) MOEF clearance achieved on 18.9.07.
	Unit-2	500	<u>05/11</u> 06/11	07/11	<u>03/12</u>	07/13	c) Financial Closure achieved on 23.11.07.
	Date of approval by State Govt.						d) 15% advance issued to BHEL on 13.1.08.
	Est. approved cost						e) Zero date of the project is 13.01.2008.
	Latest Est. Cost		Rs. 535876 lakhs				f) NIT Water Treatment Plant issued.
	Exp. upto 2006-07		Rs. 290lakhs				g) Order for CHP awarded L&T
	Exp. upto 2007-08		Rs. 47000 lakhs				h) AHP (within project area) awarded to M/s Mecaber BK
	Exp. during 2008-09		Rs. 6890 lakhs				i) Chimney awarded to M/s Lanco Infratech Limited
	Exp. upto 2009-10 (Feb, 10)		Rs. 89062 lakhs				j) Switchyard awarded to M/s Areva T&D
	Type of fuel		Coal				k) 16000MT Structural Steel has been received at site.
	Fuel Linkage						l) Leveling & grading work of BTG area Completed. Piling work in progress.
	Date of main plant order		BHEL. (BTG) on 24.10.07 Project Zero date: 13.01.08				m) Leveling & grading work of CHP area in progress.
	Power Evacuation system						n) A total of 18469 MT out0 66615 MT boiler material reached at site till Dec, 09.
							o) Boiler drum for U#1 lifted in 03/2011
	* Best effort schedule. As per present status unit may come in 12 th Plan						p) Poor mobilization of Man Power at site is d main reason for delay.
	Critical Areas	ESP is lagging behind schedule as 132/400 KV transmission line coming in ESP area is to be relocated . Line shifted in 09/2009, Civil work for CW system are very slow (BHEL Scope) This is affecting start of TG erection, Chimney Cell casting yet to be start, Man power deployment at site is in adequate .(BHEL scope)					

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 Corpn., 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. • Orders for balance BOPs are under process. • Piling work at BTG area commenced in October, 2009 and is in progress <u>Unit-3</u> • Boiler erection to Started in 10/2010 <u>Unit-4</u> • Boiler foundation work completed. • Boiler erection started in June, 2010
	Unit-3	300	<u>01/11</u> 03/11	04/11	<u>10/11</u> 12/11	03/12	
	Unit-4	300	<u>05/11</u> 06/11	07/11	<u>01/12</u> 03/12	06/12	
	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 Corpn China (EPC) &BTG				
	Power Evacuation						
	Effective Zero Date		22.05.08				
	Criti-cal Areas						

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	
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.
	Unit-1	600	<u>11/10</u> (02/11)	03/1 1	<u>03/11(A)</u> 2 (09/11)	09/11	b) The project has achieved financial closure on 24 th Nov’07 with REC.
	Unit-2	600	<u>03/11</u> (06/11)	07/1 1	<u>07/11</u> (08/11)	08/11	c) MOE&F clearance obtained on 26.11.07.
	Date of TEC		Not Required				d) EPC contract for 2x600 MW was awarded on 15 th Nov’07 to M/s Lanco Infratech Ltd.(LIL) .
	Date of approval by State Govt.		NA				e) <u>Switchyard</u> : Consultancy contracts awarded on RITES for civil works of Switchyard and MGR system. Equipment.
	Est. approved cost		Rs. 411480 lakhs				f) 400 kV Switchyard equipment erection completed. 765 kV Switchyard foundation & structure & equipment erection in progress.
	Latest Est. Cost		Rs. 411480 lakhs				g) <u>Chimney</u> : Completed.
	Exp Upto 31.03.2008		Rs. 48900 lakhs.				h) <u>CHP</u> : Track hopper RCC work is in progress. TP# 1& 2 & Crusher house Structure fabrication & erection is in progress.
	Exp Upto 31.03.2009		Rs. 84700 lakhs				i) MGR civil works under progress
	Exp Upto 31.03.2010		Rs. 162700 lakhs				j) <u>AHP</u> : AW and Ash slurry pump house, RCC work is in progress.
	Total Exp. Upto 31.03.2010		Rs. 296300 lakhs				k) <u>ID Cooling Tower</u> : Mechanical rection in progress.
	Total Exp. May, 2010		Rs. 313400 lakhs				l) <u>CW Pump house</u> : RCC & CW duct erection work is in progress.
	Financial Closure		Achieved on 24th Nov’07 with REC.				m) DM plan- 1 st stream commissioned in 04/10
	Type of fuel		Coal				Unit-1
	Coal Linkage		Yet to be finalized with CIL/NCL				a) Boiler erection started on 20 th Dec.08.
	Date of main plant order		EPC contract on M/s Lanco Infratech Ltd.(LIL) on 15.11.07. BTG supply package contract placed on M/s Dongfang Electric Co., China in Nov’07.				b) Boiler drum lifing completed on 18.08.09.
	Zero date		23rd Nov’07.				c) HT completed on 27.03.10
	Power Evacuation system		400KV & 765 KV Transmission system				d) Condenser erection started on 30.09.09.
							e) TG: Erection started on 15.12.09.
							f) Generator Stator placed in position.
						Unit-2	
						a) Boiler erection started on 25.2.09.	
						b) 5 th tier erection is in progress.	
						c) Structural steel fabrication started and 150MT is under dispatch.	
						d) Boiler drum lifting completed on 23 rd September, 09	
						e) Condenser erection commenced 28.04.10	
						• TG erection commenced on 27.04.10	
	Critical Areas	Completion of 765 kV switchyard at Unnao by UPPCL					

WESTERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN CHHATTISGARH

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Asnow Exp.		
			Syn.	Com m	Syn.	Co mm	
	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.
	Unit-1	135	10/10	11/10	07/11	08/11	Condenser, Generator & Turbine for unit-1 &2 received at site .
	Unit-2	135	01/11	02/11	09/11	10/11	g) Cooling Towers: Cooling Tower-1: Completed Cooling Tower-2 : Raft concreting completed. Wall & column contrite completed. Mech. Work is in progress.
	Date of TEC		: Not Required				h)CHP : Erection of Tussle, Galleries , Traveling tippler and Bunkers completed.. CHP for feed coal for commissioning of U-1 is completed.
	Date of Approval by State Govt.		: 14.07.08				i)AHP: Erection of equipment completed. Ash silo for U-1 completed. Bed ash silo for U-2 is under progress.
	Est. approved cost		: Rs.126700 lakhs				j)Chimney: Completed.
	Exp. Up to 31.03.09		: Rs. 13000 lakhs				Boiler:1
	Exp. During 09-10		:Rs 27234 lakhs				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 07/11.
	Exp. During 10-11		: Rs . 54215 lakhs				TG-1: Turbine seals correction and inlet water box assembly completed. Generator: alignment of rotor in progress. Box-up completed on 01.06.11
	Cumm. Exp. (up to 03/11)		Rs 94449 lakhs				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
	Financial Closure		: 25.08.2009				TG-II: Condenser erection started on 15.11.10.TG erection started on 30.01.11
	Zero date		: 21.01.2009				TG Building: All columns erected. Crane girder and rail erected.
	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	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / As now Exp.		
			Syn.	Com m	Syn.	Com m	
2	Spectrum TPP (Distt. Korba) M/s Specrum Coal & Power 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-1	50	06/11	06/11	10/11	11/11	Unit -2 : MOEF clearance is yet to be obtained.
	Unit-2	50					h) All the supplies received at site.
	Date of TEC		: Not Required				i) Cooling Towers:
	Date of Approval by State Govt.						Cooling Tower: 80% civil works completed. And mechanical work yet to start.
	Est. Org. cost (1x50 MW)		: Rs.22000 lakhs				i)CHP : 25% works completed.
	Exp. Up to 03/11		: Rs15500 lakhs				j)AHP: Supplies have commenced..
	Exp. In the year 2011-12 (05/11)		:Rs. 2853 lakhs				k)Chimney: Chimney construction completed. Internal firebrick work and outer painting completed. Baffle wall and hopper erection under progress.
	Cumm. Exp. (up to 05/11)		Rs 18353 lakhs				Boiler:1
	Financial Closure		: Achieved				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 08/11
	Zero date		:				Condenser & TG erection started on 17.03.11.
	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						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / As now Exp.		
			Syn.	Com m	Syn.	Com m	
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 b) Land : Land lease deed entered with CSID Corp. on 16.12.08 for 89.063 Ha. c) PPA was signed with Reliance Trading Ltd e)5.5 MCM Water allocated by Chhattisgarh Govt... f) MOEF clearance obtained on 08.02.08 and state pollution clearance obtained on 26.05.08 g) Civil Aviation clearance obtained on 26.05.08 Unit -2 : MOEF clearance is yet to be obtained. h) Cooling Towers: 100% erection completed. i)CHP : 85% erection completed.. j)AHP: 40% erection completed... k)Chimney: Completed. Boiler:1 Main plant: All the supplies received at site. 95% of Main plant civil & 100% of structural works completed.
	Unit-1	63	06/11	06/11	06/11	06/11	
	Date of TEC		: Not Required				
	Date of Approval by State Govt.		:				
	Est. Org. cost (1x63MW)		: Rs.22000 lakhs				
	Est. Latest. cost (1x63MW)		: Rs. 36000 lakhs				
	Exp. Up to 03/11		: Rs34256 lakhs				
	Cumm. Exp. (up to 03/11)		Rs 34256 lakhs				
	Financial Closure		: Achieved				
	Zero date		:				
	Type of fuel		:				
	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				
	Power Evacuation		: 132 kV line through CSEB power grid.				
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / As now Exp.		
			Syn.	Com m	Syn.	Co mm	
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				e) 18 MCM Water allocated .
	Date of Approval by State Govt.		: 14.07.08				f) Environment clearance and State pollution clearance obtained..
	Est. approved cost (2x135 MW)		: Rs.145844 lakhs				g) Cooling :Under progress
	Exp. During 09-10		:Rs 14441lakhs				h) CHP : :Under progress
	Exp. During 10-11 (12/10)		: Rs . 43617 lakhs				i) AHP: Under progress
	Cumm. Exp. (up to 12/10)		Rs 58058 lakhs				j) Chimney: Under progress
	Financial Closure		: Achieved				Boiler:1
	Zero date		:				h) Erection of Boiler-1 started in 11/10. Boiler Drum lifted on 23.02.11. HT Expected in 06/11
	Type of fuel		:				TG-1: Tg works started in 11/10.
	Date of Main Plant Order		: on M/s Cethar Vessels Ltd in Nov.,08 (BTG)				Boiler-2 :Erection started in 11/10 and drum lifted in 04/11.
		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	
5	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. 100% boiler structural and civil works completed. ID, FD,PA fans erected. HT completed on 31.08.10. Acid cleaning completed. BLU preparation u/p and exp. in 07/11. Overall 100% of boiler works completed. Turbine:Turbine box up Completed on 20.10.10.. Oil flushing completed. Overall 98 % works completed. Unit:1 : All major foundations completed 93% of civil works completed. All major equipments received at site. Drum lifted on 10.05.10. Mills erection completed.. 60% of Boiler erection work completed. 15350/16500 welding joints completed. TG: Structural erection of MPH 97% completed. TG erection started on 25.07.10. Turbine erection U/P. Overall 70% of TG work completed Unit:3 : 95% 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					

BROAD STATUS OF THERMAL POWER PROJECTS IN GUJARAT

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Critical Areas
			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 08/11. 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 07/11. 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 09/11. 8. Back charging of switchyard is expected on 25.07.11.	(1) BHEL site staff need be augmented with senior. (2) Cable trenches are on critical path.
GT	223	02/10	02/10	08/11	08/11			
ST	128	03/10	04/10	08/11	09/11			
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.								

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn.	Comm	Syn.	Comm		
2	Pipavav CCPP ,Ph-I, GSPC PIPAVAV Power Company Limited 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 06/11. HT for HRSG-2 is scheduled in 07/11. 5. GT-1&2: GT-1 erection start is expected in 06/11. GT-2 erection start is expected in 08/11. 6.Supply of GT-1 is expected by 06/11 and GT-2 by 07/11. 7.ST-I supply of HP-IP & LPT turbine received at site. Erection start is expected in 06/11. ST-II supply is expected in 07/11 and its erection start is expected in 08/11. 8. There is no provision of by pass stack hence GTs can not run in open cycle.	(1)BHEL/ BJCL is slow in execution of civil works. (2)Pedestal bearing yet to be supplied.
	Block-I	351	07/10	09/10	11/11	12/11		
	Block-II	351	10/10	11/10	12/11	01/12		
	Date of TEC		: Not Required					
	Org.Est. cost		: Rs.235429 Lakhs					
	Latest cost		: Rs.249834 Lakhs					
	Exp. Upto 03/08		: Rs. 23213 Lakhs					
	Exp. During 08-09		: Rs. 297.18 Lakhs					
	Exp. During 09-10		: Rs. 70756 Lakhs					
	Exp. During 10-11		: Rs. 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						

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.
	Unit-6	500	12/10 01/11	02/11	05/12 05/12	05/12	
	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 (Up to 12/10)		: Rs. 29038.00 Lacs				
	Cumulative Exp (up to 12/10)		: Rs. 111349.32 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	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn.	Com	Syn.	Com.		
Private Sector								
1.	Mundra TPP, Ph-II (Distt:Kutch) M/s Adani Power Ltd.	1320					1. All clearances are available. 2. Zero date of the project is 06.09.07. 3. Design & Engineering is in progress. 4. All the BOPs are included in EPC contract. <u>Unit-1</u> Unit synchronized on 22.12.10.Coal firing achieved on 22.12.10.Full load achieved on 26.12.10. <u>Unit-2</u> Synch. achieved on 03.06.11.Coal Firing achieved on 03.06.11.Full load achieved on 20.07.11.	Work progress is affected due to non-availability of Visa for Chinese Exparts.
	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					
	Date of Approval by State Govt.		: N.A.					
	Org.Est. cost		: Rs.579600 lakhs					
	Exp. upto 03/08		: Rs.81286 lakhs					
	Exp. During 08-09 (Up to 11/08)		: Rs. 72745 Lakhs					
	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							

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			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.	Work progress is affected due to non-availability of Visa for Chinese Experts.
	Unit-1	660	04/11	06/11	08/11	09/11		
	Unit-2	660	07/11	08/11	10/11	11/11		
	Unit-3	660	09/11	10/11	12/11	01/12		
	Date of TEC		: Not Required					
	Date of Approval by State Govt.		: N.A.					
	Org.Est. cost		: Rs. 896000 lakhs					
	Exp. upto 03/08		: Rs. Nil lakhs					
	Exp. During 08-09 (Up to 11/08)		: Rs. 62891 Lakhs					
	Financial Closure		: Achieved					
	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 01.01.08					
	Zero date of the project		: 01.01.08					
	Power Evacuation System: Progressing as per schedule						Unit-1 Boiler 1. Boiler erection started on 18.02.09. 2. Boiler HT completed in 04/11. 3. BLU expected in 07/11. TG 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. Unit-2 Boiler 1. Boiler erection started on 25.06.09. 2. Boiler HT completed on 05.07.11. 3. BLU expected in 10/11. TG 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 is expected in 06/11. Unit-3 Boiler 1. Boiler erection started on 26.09.09. 2. Boiler HT expected in 09/11. 3. BLU expected in 11/11. TG 1. Condenser erection started on 01.01.11. 2. TG box up expected in 09/11.	

BROAD STATUS OF THERMAL POWER PROJECTS IN MAHARASHTRA

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas	
			Original		Actual(A) / As now Expected				
					Syn.	Com.			Syn.
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.	Station Transformer now charged on 18.08.10. DM plant made ready on 07.09.10.	
	Unit - 5	500	03/10	06/10	03/11 (A)	07/11			
	Date of TEC	: Not Required						Boiler 1. Boiler erection started on 12.02.8. 2. Boiler Drum lifted on 28.11.08. 3. HT completed on 05.11.09. 4. BLU completed on 27.10.10. 5. EDTA completed on 18.11.10. 6. SBO started on 09.01.11 completed on 06.02.11. 7. Oil synch. achieved 31.03.11. 8. Coal firing achieved with contingency arrangement on 31.03.11. 9. MPCB clearance received on 16.07.11. 10. Boiler re-lighted up on 18.07.11. 11. Synch is expected on 23.07.11. 12. Full load is expected on 26.07.11. TG 1. Condenser erection started on 27.03.09. 2. TG erection started on 05.06.09. 3. TG box up is expected on 09.03.11. 4. TG put on BG on 10.03.11.	Dispute with nearby villagers. MPCB constraint
	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	: Rs. Lakhs							
	Total Exp. (Upto 03/11)	: Rs. 291563Lakhs							
	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.								

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			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. 6. CHP readiness of CHP by 07/11.	Damage of flue canes during chimney accident
	Uni-4	500	05/10	09/10	05/11(A)	08/11	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. 6. CHP readiness of CHP by 07/11.	
	Uni-5	500	09/10	01/11	11/11	12/11	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. 6. CHP readiness of CHP by 07/11.	Readiness of CHP,AHP and CT
	Date of TEC		: Not Required					
	Date of Approval by State Govt.		: 12.05.06					
	Est.Proj. cost.		: Rs. 412400 Lakhs					
	Latest Est.Cost		: Rs. 489000 Lakhs					
	Exp. during 2006-07		: Rs. 15800 Lakhs					
	Exp. during 2007-08		: Rs. 34610 Lakhs					
	Exp. during 2008-09		: Rs. 114500Lakhs					
	Exp. during 2009-10		: Rs. 110000 Lakhs					
	Exp. during 2010-11		: Rs. 117652 Lakhs					
	Exp. during 2011-12		: Rs. Lakhs					
	Total Exp.(Upto 03/11)		: Rs 392562Lakhs					
	Type of fuel		:Coal					
	Fuel Linkage		:2.4MTPA from MCL coal mines at Talcher/IB.					
	Financial closure		: Achieved on 27.07.06 Equity : GO Maharashtra Rs825 crs. Loan : PFC Rs. 3693Crs.					
	Date of Main Plant Order		: M/S BHEL on 23.01.07 (BTG +Electrical)					
	Power Evacuation System: Existing 400kV/220 kV lines.						1. Boiler Foundation handed over on 10.03.08. 2. Boiler erection started on 26.03.08. 3. Boiler Drum lifted on 09.01.09. 4. Boiler HT completed on 31.03.10. 5. BLU completed with temporary chimney on 05.03.11. 6. SBO started on 02.04.11 and completed on 20.04.11. 7. Normalization is in progress. 8. Oil synch. achieved on 11.05.11. 9. Readiness of another two mills is expected by end 07/11.	
							TG 1. Condenser erection started on 14.03.09. 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. BLU expected in 09/11. 6. SBO completion is expected in 10/11.	
							TG 1. Condenser erection started on 29.10.09. 2. TG erection started on 17.12.09. 3. TG box up is expected in 06/11. 4. TG barring gear is expected in 07/11.	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			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. 92% overall material for 4 units received at site upto 12/09. 9. Start up power received on 17.04.10 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 15..12.10. Unit-3 Synch (Oil) achieved on 28.04..11.Coal firing achieved on 30.04.11.Full load achieved 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 is ready for synch. and waiting for MPCB clearance. TG 1. TG erection started in 12/09. 2. TG box up completed in 06/11.	Non availability of SEC (Chinese) supervision team at site due to visa problem is hampering project schedule. Permission to synchroniza tion is yet to be accorded.

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			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 Boiler 1. Boiler erection started on 07.10.09. 2. Boiler HT completed on 26.03.11. 3. BLU expected in 08/11. TG 1. TG erection started on 01.08.10. 2. TG Box up completed on 31.05.11. Unit-2 Boiler 1. Boiler erection started on 11.12.09. 2. Boiler HT expected in 08/11. 3. BLU expected in 10/11. TG 1. Condenser erection started on 25.01.11. 2. TG box up expected in 09/11.	Accordance of Mega Status. Power evacuation system. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited
	Unit-1	660	03/11	04/11	08/11	09/11		
	Unit-2	660	06/11	07/11	11/11	12/11		
	Date of TEC	: Not Required						
	Date of Approval by State Govt.	: N.A.						
	Org.Est. cost	: Rs.926300 lakhs(Incd.Ph-II,U-1)						
	Exp. upto 03/08	: Rs. 2230 lakhs						
	Exp. During 08-09 (Up to 11/08)	: Rs. 18992 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							
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 Boiler 1. Boiler erection started on 15.04.10. 2. Boiler HT expected in 08/11. 3. BLU is expected in 11/11. TG 1. Condenser erection start is expected in 05/11. 2. TG Box up is expected in 08/11.	Power evacuation system. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited
	Unit-1	660	09/11	10/11	12/11	01/12		
	Date of TEC	: Not Required						
	Date of Approval by State Govt.	: N.A.						
	Org.Est. cost	: Included in Ph-I cost						
	Exp. upto 03/08	: Rs. lakhs						
	Exp. During 08-09 (Up to 11/08)	: Rs. 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							

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn.	Com.	Syn.	Com.		
4.	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 and work is progressing as per schedule. 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) is completed on 06.06.11. 6. Boiler Light up is expected on 30.10.11. TG 1. Condenser erection started on 20.09.10. 2. TG erection started on 25.09.10. 3. TG box up is expected in 11/11.	Commissioning of Koradi-Wardha 400kV double circuit line.(Required for Start up Power) delayed for the want of ROW. BHEL supplies from Trichy & Piping centre Chennai (mainly Critical piping i.e., HRH and MSL)
	Unit - 1	270	10/11	12/11	12/11	01/12		
	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. 12749Lakhs.						
	Exp. During 10-11	: Rs. 54409Lakhs						
	Exp. During 11-12 (upto 05/11)	: Rs 7940Lakhs						
	Type of fuel	: Coal						
	Fuel Linkage	:From WCL and MCL						
	FSA	: FSA with SECL in progress.						
	PPA	:Tied up for 200MW with Power Trading Co.						
	Financial closure	: Achieved in 10/09						
	Date of Main Plant Order	: Placed on M/s BHEL on 26.12.08 for BTG.						
	Power Evacuation System: M/s IEPL has been granted connectivity & open access on 400KV Koradi-Wardha Double Circuit line.							

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn.	Comm	Syn.	Comm.		
5.	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	10/11	11/11	Unit-1 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 in 07/11.	
	Unit - 2	60	12/10	12/10	09/11	10/11	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.	
	Original Est. cost.	: Rs- 65649 Lakhs						
	Latest Cost	: Rs. 65649Lakhs						
	Exp. Upto 03/10	: Rs. 30316 lakhs						
	Exp. During 10-11	: Rs. 23284 Lakhs						
	Exp. During 11-12 (upto 05/11)	: Rs. 4900 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:							

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn.	Comm	Syn.	Comm.		
6.	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 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-2 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. Unit-3 Oil synch. achieved on 29.12.10.Coal firing completed on 31.12.10. Full load achieved on 21.01.11. Unit-4 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	
	Unit-2	135	04/10	05/10	04.10.10(A)	10/10(A)		
	Unit-3	135	06/10	07/10	29.12.10(A)	01/11(A)		
	Unit-4	135	08/10	09/10	17.04.11(A)	04/11(A)		
	Org.Est. cost	: Rs.241600 lakhs						
	Exp. upto 03/10	: NA						
	Exp. During 10-11 (Up to 04/10)	: NA						
	Financial Closure	Achieved on 24.0108&30.04.09 for Ph-I&II respectively						
	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.							

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn.	Comm	Syn.	Comm.		
7.	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 Boiler 1. Civil works started on 01.06.10. 2. Boiler erection started in 10/10. 3. Boiler drum lifting is expected in 07/11. TG 1. Civil works started on 01.06.10. 2. TG erection start expected in 07/11.	
	Unit-1	300	12/11	01/12	12/11	01/12		
	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						
	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.							

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: 7m 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 - Boiler erection started on 8/ 04/10. - Drum lifted in 12/10. - Hyd test is expected by 7/11 - TG deck casting completed on 26.3.11. - Condenser erection is yet to start. Unit-11 - Boiler erection started on 1/ 07/10. - Drum lifted in 2/11. - TG deck column casting is under progress	
	Unit-10	250	01/12 02/12	03/12	04/12 05/12	06/12		
	Unit-11	250	03/12 04/12	05/12	05/12 07/12	08/12		
	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						
	Exp. 2010-11	: Rs 57040 Lakhs						
	Exp. 2011-12 (Up to 5/11)	: Rs 4268 Lakhs						
	Cumulative Exp Till 5/11	: Rs 87121 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						

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> 05/10	 06/1 0	 <u>03/11</u> 06/11	 08/11	- 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: ompleted - ESP erection work started on 30.04.08 by Indwell. - 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 upto 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. - FD Fan –B, ID Fan-B trial run completed. ESP control room finishing works are in progress. - Works of Compressor house, 400 kV switchyard are in progress. - Works of Ash Pump house control room, switch gear room and blower room 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 is damaged. It is being replaced. The unit expected to be restarted on 23-06-11. Unit was commissioned on 26-06-2011.
Org. Est. Cost :		Rs.216400 lakhs					
Latest. Est. Cost		Rs.232507 lakhs					
Expenditure up to 3/07		Rs. 8952 lakhs					
During 2007-08		Rs. 16191 lakhs					
: During 2008-09		Rs. 77810 lakhs					
: During 2009-10		Rs. 68212 lakhs					
: During 2010-11		Rs. 7465 lakhs (Upto 08/10)					
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 Unit-2 Date of TEC Sanctioning Authority Date of Approval by State Govt. Estd. cost Latest Estd. Cost Exp .during 2006-07 Exp. During 07-08 Exp. During 08-09 Exp.During 09-10 Exp.During 10-11 Exp.During 11-12 up to 06/11 Financial Closure Type of fuel Date of Main Plant Order Order Zero Date	500 500 : NA : State Govt. : 15.06.2002 : Rs.226100 Lakh : Rs. 226100 Lakh. : Rs.19.87 Lakh : Rs. 16773.19 Lakh : Rs.37594.43Lakhs : Rs. 35229.39 lakhs : Rs. 38829.09 lakhs : Rs. 00 Lakh : ----- : Coal (CIL/MCL) : 31.08.06 : BHEL (EPC) : 19.09.2007	 <u>11/10</u> 01/11	 02/11	 <u>10/11</u> 01/12	 02/12	•Boiler: erection started on 17.11.08 and in progress. Drum lift on 06/04/09. •HT: completed on 25th Jun’10. •BLU: Achieved on 04.02.11. 12650/14564 MT erected. EDT completed on 20-04-11. Power cycle piping erection in progress. Erection of motors of A&B mills, PA fans & ID fans progress. FD fan motors erected. Fabrication & erection power house, bunkers and fabrication of structural steel columns & beams in progress. 1118 MT critical piping material is erected. •De-aerator: FST welding completed and LPH-2 & 3 erected. •ESP: erection started on 19.10.08. 7211/7952 MT erected. Control room works in progress. •Chimney: Completed in 10/10 •NDCT: All works completed in 10/10 •Condenser: erection commenced on 31.03.10. Insertion Tubes completed. •TG: erection commenced in Jun’10.Bearing pedestals and I base plate alignment in progress. HP turbine erected. IP out Stator erected. •TG box-up expected by 08/11. •CWPH: Pump floor slab & motor floor slab concrete completed. Column rising in progress. Laying and encasement of CW pipes in progress. •Clarified water pump house tank portion completed, column work in progress. •DM Plant: Brick work & plastering in progress. Cable chase equipment foundations in progress. Hot-well make up progress •PT plant: clariflocculator works in progress. Completion expected by 08/11. •FO System: completion expected by 07/11. •CHP:: Erection of structural steel members for JT -5,6,7,8 & in progress. Conveyor gallery 22A&B foundation in progress. 23A/B civil works completed. Stacker re-claimer foundation progress. Works of wagon tippler-3 & crusher house-2 progress. Fabrication & erection of CHP structures in progress. Path-1 is expected to be ready by 15/9/11. •AHP: Erection of vacuum pump, 3-buffer hoppers, laying pipes on ash pond & under ESP path ‘C’ completed. Ash slurry pump house, collector tank and silo works are in progress. Bottom ash hopper back filling in progress. AHP wet system expected to be ready by 30/7/11. •MDBFP reinforcement work in progress. •TDBFP civil works completed. •AC & Ventilation system, Fire protection system works progress.
Critical Areas		1. Late receipt of boiler drums from BHEL. 2. Delay in supply & erect-ion of equipment by BHEL. 3. Late finalization of civil & BOP packages by BHEL particularly CHP due to change of scope.					

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. Applied for clearance for enhanced capacity of stage-III project. • M/s DCPL, Chennai is consultant. • Financial tie up made with PFC for Rs2664 cr • Chimney (Haygreeva Ltd.) Shell construction (275 Mtr) completed. Outer platform work, Brick lining work and insulation work in progress. • NDCT: (Haygreeva Ltd.) Shell construction completed (142 m). Hot water duct and water channel work in progress. • CHP: Excavation in wagon tippler & tunnel area in progr. Civil work in CH, JT, stacker re-claimer in progress. Strl work in PCH completed and thar in SCH, JT & stacker re-claimer in progress. • AHS: Excavation work for fly ash silo & bottom ash handling system in progress. • RWPH: Civil work in RWPH, clariflocculator, pump house, PTP chemical house & sludge pumps in progress. • Clarified water tank raft RCC is cast. Column construction and centering work in pump house in progress. • CWS: CWPB Fore bay, raft, pump floor, structural & roof work in progress. Pumps erection started. Hot & cold water pipes laid, end joints in progress. • F.O: Construction of tanks completed. Outside insulation works in progress. Building is ready. Erection of HFO and LDO Pumps erection completed and commissioned. • DM Plant: Equipment pedestal work , Tank fabrication & erection work in progress. Piping erection completed. • FPS: Pipe laying work in progress. • Blr: Erection commenced on 29.09.09. Column work completed, drum lifted on 25.2.10. Heaters and re-heater coil pre-assembling work in progress. 85% works completed. Insulation work in progress. • HT: Conducted on 25-02-2011. • BLU: expected in 11/ 2011 • Box-up: expected in 09/2011 • ESP: C&D pass construction completed. Construction of A, B pass and control room work in progress. • STG: Condenser ‘A’ erected. Tube insertion in ‘B’ in prg. TG erection started on 03-09-10. Generator erected. • STG: building: BC Floor beam erection in progress. • Switchyard: 220 & 400 kV GIS bldg work completed. 220 kV side energized. 400 kV outside equipment installation work in progress. 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						
	Est. 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 04/2011)	: Rs 4278 Lakh						
	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 Ash Handling Plant 3. Readiness of Unit Control Room 4. 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					- 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 concreting and Flue can erection completed for both units in May 11. Erection of elevator and staircase in progress. CHP: (M/s Tecpro system ltd.) Steel fabrication in prg. 2585/3875 MT fabricated and 906 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. Civil foundation completed for bottom AHS. Air compressor building in progress. CW System: About 65% PH and intake work completed. 86% 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 in progress.50% Mech and 20% Elect item recd. PTP: is not required. CMWS&SB supplies treated water. F.O. System: Existing St-I F O tanks to be utilized for St-II. 74% pump house super structure work completed upto 06/11. FPS: Dispatch of equipment commenced Most of the items received at site. Switchyard: Control room Civil works commenced on 01.02.10. EOT crane being erected. Unit-1: Boiler (M/s EDAC): Erection commenced on 1.06.2009. Out of 25000 MT of boiler material, 4692 MT has been erected up to 05/11. - Boiler drum lifted on 12.04.10 - Boiler pressure parts erection in progress. Out of 10214 MT materials 3376 MT erected up to 03/11. HT expected in 07/11. BLU: Expected in 11/ 2011 Box-up: Expected in 12/ 2011 ESP erection commenced on 05.06.2009. Out of 11267 MT of ESP materials 5818 MT erected up to 06/11. - Power house super structure is in progress5708/5750 MT material fabricated and 5335 MT erected by 05/11. Condenser: Erection started on 20-05-11 STG deck: TG deck concreting completed. 5762 MT out of 5850 MT material fabricated and 5453 MT erected by 06/11	
	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 April 2011)	: Rs 12331 Lakh						
	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. Evacuation of power 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. 3. Turbine module dispatched in Feb 2011 5. Supply of GT 2. Supply of Turbine Modules by BHEL 4. Supply of CW pumps by BHEL					

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 8279 MT has been erected up to 06/11. - 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, 6849 MT erected up to 06/11. - Power house super structure erection is in progress. 9402/9829 MT material fabricated and 8104 MT erected by 05/11. Condenser: Erection started on 24-05-11 STG deck: TG deck concreting completed. 9402 out of 9829 MT fabricated and 8838 MT erected by 06/11.	
		600	08/11 10/11	11/11	01/12 02/12	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 (Up to 03/11)	: Rs. 55987 Lakh						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 16.08.2008 (EPC) on M/s BHEL						
	Zero Date	: 16.08.2008						
	Critical Areas		1. Supply of Turbine modules and CW pumps 2. Generator Transformers are still under manufacturing process.					

EASTERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN ORISSA

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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		
			<u>Syn. Com.</u>	COD	<u>Syn. Com.</u>	COD	
II	STATE SECTOR						
1.	Santalidih 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> 06/11(A)	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 :		Rs. 11000 lakhs.				
	During 2008-09 (upto09/08) :		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		
			<u>Syn</u> Com	COD	<u>Syn</u> 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 7/11. <u>ST</u> - Generator placed on deck on 6.7.10. - Condenser placed in position on 07.11.2009. - ST erection started in 03/10 and boxed up in 9/10. - Oil flushing completed. - Unit is expected to be synchronized by 9/11 with one/two HRSG.
	ST	37.2	<u>04/08</u> 05/08	06/08	<u>06/11</u> 09/11	10/11	
	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 (6/11)		: Rs. 12 Lakhs				
	Cumulative Exp. up to 6/11		: Rs.20519 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	Critical Areas
			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. - Erection of GT is expected to be commenced by 1/12. - 70% of BOP packages orderd	Slow civil works
	GT	70	<u>10/2011</u> 01/2012	01/2012	<u>10/2012</u> 12/2012	01/2013		
	ST	30	<u>11/2011</u> 01/2012	01/2012	<u>11/2012</u> 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		Slow progress of civil works.					