



भारत सरकार
विद्युत मंत्रालय

GOVERNMENT OF INDIA
MINISTRY OF POWER

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

September 2009



ताप विद्युत परियोजना प्रबोधन प्रभाग
केन्द्रीय विद्युत प्राधिकरण
नई दिल्ली

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

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FOREWORD

As per clause 73(f) of Electricity Act 2003, inter alia Central Electricity Authority is to “promote and assist in the timely completion of schemes and projects for improving and augmenting the electricity system”. The Thermal Project Monitoring (TPM) Division of CEA is entrusted with the responsibility of monitoring the progress of construction activities of all the thermal power projects in the country till the units are commissioned. The progress of various activities of the projects under execution in the country is closely monitored for timely commissioning. Visits are made by officers of CEA to the sites for on the spot assessment of progress of works and rendering the advice/assistance in solving the problems being faced by the project authorities and 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 of Central Electricity Authority has been bringing out monthly report on Broad Status of Thermal Power Projects in the Country. This monthly report provides up-to-date information in respect of thermal power stations under execution in the country during 11th Plan. 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 present status of progress and critical issues requiring immediate attention of concerned authorities in the implementation of thermal power projects in the country. Details of Executing agencies for Balance of Plant with order date and contractual completion date are also included.

The broad status report is being brought out on monthly basis by TPM Division on the basis of data received from various project authorities, visits made by the CEA engineers to different power projects and discussions held with the executing agencies and suppliers of equipments from time to time.

We welcome suggestions/feedback for further improvement in the monthly broad status report.

New Delhi
Dated the October, 2009

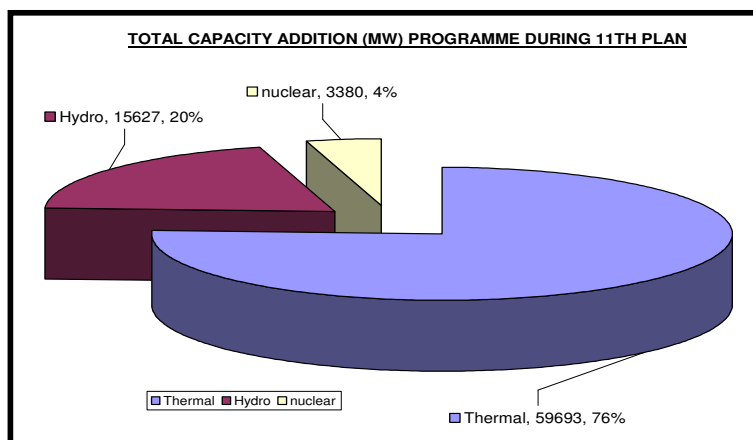
(D. S. ARORA)
Chief Engineer (TPM)

1.0 11TH PLAN CAPACITY ADDITION PROGRAMME

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

1.2

Thermal	59693
Hydro	15627
nuclear	3380
Total	78700



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 ACHIEVED COD DURING 2007-08 (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	1980	1500	220	3700
STATE	2040	1304	0	3344
PRIVATE	250	0	0	250
TOTAL	4270	2804	220	7294

1.5 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

1.6 TOTAL COD ACHIEVED DURING 2008-09 (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	2550	170	0	2720
STATE	3212.2	858	0	4070.2
PRIVATE	1000	0	0	1000
TOTAL	6762.2	1028	0	7790.2

1.7 SECTOR-WISE/FUEL-WISE THERMAL CAPACITY ADDITION (MW) PROGRAMME DURING 11TH PLAN (ORIGINALLY ENVISAGED) (MW)

SECTOR	COAL	LIGNITE	GAS	TOTAL
CENTRAL	22600	750	1490	24840
STATE	19535	450	3316	23301
PRIVATE	8435	1080	2037	11552
TOTAL	50570	2280	6843	59693

1.8 CAPACITY UNDER CONSTRUCTION FOR BENEFITS DURING THE 11th PLAN (AS ON 30.09.09)(MW)

SECTOR	THERMAL		HYDRO		NUCLEAR		TOTAL		
	UC	C	UC	C	UC	C	UC	C	Total
CENTRAL	16210	3490	7624	1030	3160	220	26994	4740	31734
STATE	13724.2	5627.2	961	2401	0	0	14685.2	8028.2	22713.4
PRIVATE	17564	4621.5	3491	0	0	0	21055	4621.5	25676.5
ALL INDIA	47498.2	13738.7	12076	3431	3160	220	62734.2	17389.7	80123.9

UC: Under Construction; C: Commissioned

1.9 THERMAL CAPACITY ACTUALLY ACHIEVED/UNDER CONSTRUCTION DURING THE 11th PLAN AS ON DATE (MW)

		Thermal	Nuclear
(i)	Capacity achieved during 2007-08	6620.0	220.0
(ii)	Capacity achieved during 2008-09	2484.7	-
(iii)	Capacity achieved during 2009-10	4634.0	-
(iv)	Capacity under construction for 11 th Plan	47498.2	3160.0
	Total(i+ii+iii)	61236.9	3380.0

1.10 CAPACITY ADDITION TARGET FOR THE YEAR 2009-10

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	2490	252	660	3402
STATE	4679	262	-	4941
PRIVATE	5833	331	-	6164
TOTAL	13002	845	660	14507

1.11 CAPACITY COMMISSIONED DURING 2009-10 (UP TO 30.09.09) (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	750	-	-	750
STATE	895	39	-	934
PRIVATE	2989	-	-	2989
TOTAL	4634	39	-	4673

1.12 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	11/09
3	Kaiga APP U-4	Karnataka	220	03/10
4	Kudankulam APP U-1	TN	1000	02/10
5	Rajasthan APP U-6	Rajasthan	220	02/10
6	Kudankulam APP U-2	TN	1000	11/10
7	Kalpakkam	TN	500	02/11
Total			3380	

2.0 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2007-2008

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

2.1 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2008-09

SI No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. In MW	Contractual schedule of syn.	Actual date of Comm.	Ach. Cap. Added (MW)
A	CENTRAL SECTOR						
1	Bhilai Extn. TPP	Chhattisgarh / NSPCL (NTPC & SAIL JV)	U-1 U-2	250 250	02/2008 08/2008	20.04.08(A) Slipped	250
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-5	500	12/2007	27.12.08(A)	500
4	Kahalgao STPS-II (Ph-I & II)	Bihar/ NTPC	U -7	500	03/2007	Slipped	
5	Chandrapura TPS Extn	Jharkhand / DVC	U- 7 U- 8	250 250	11/2006 01/2008	Slipped	
6	Barsingsar Lignit	Rajasthan/ NLC	U-1 U-2	125 125	08/2008 03/2009	Slipped	
	Sub Total (A)			2910			750
B	STATE SECTOR						
1.	GHTP(Lehra Mohabbat)TPS-II	Punjab/ PSEB	U-4	250	01/2008	31.07.08(A)	250
2	Kutch Lignite Extn	Gujarat/ GSECL	U-4	75	07/2007	Slipped	
3	Sagardighi TPP	WB / WBPDC	U-2	300	04/2007	20.07.08(A)	300
4	Bakreshwar TPS-II	WB / WBPDC	U-5	210	06/2007	Slipped	
5	Valuthur CCPP Extn.	TN/TNEB	GT ST	59.8 32.4	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	02/2007	15.06.08(A)	210
7	Giral Lignite- II	Rajasthan/ RRVUNL	U-2	125	06/2008	Slipped	
8	Chhabra TPS	Rajasthan/ RRVUNL	U-1 U-2	250 250	09/2008 12/2008	Slipped	
9	Surat Lignite TPP Extn.	Gujarat/ GIPCL	U-3 U-4	125 125	09/2008 01/2009	Slipped	
10	Kota TPP	Rajasthan/ RRVUNL	U-7	195	11/2008	Slipped	
11	Suratgarh TPP –IV	Rajasthan/ RRVUNL	U-6	250	09/2008	Slipped	
12	Vijaywada TPP –IV	AP/ APGENCO	U-1	500	08/2008	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	12/2007	17.06.08(A)	250
2.	Sugen CCPP *	Gujarat /Torrent Power Gen. Ltd.	Block-1 Block-2 Block-3	376 376 376	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	02/2006 02/2006 07/2006	Slipped	
4	Konaseema CCPP	AP/Konaseema EPS	GT-1 GT-2 ST	140 140 165	09/2005 12/2005 03/2006	Slipped	
5	Pathadi TPS Ph-I (Lanco - Amarkantak Mega TPP)	Chattisgarh/ Lanco Amarkantak Power Pvt. Ltd.	U-1	300	06/2008	Slipped	
6	Trombay TPS Extn.	Maharashtra/ Tata Power Co	U-8	250	08/2008	26.03.09(A)	250
7	Torangallu Extn.	Karnataka/ JSW Energy Ltd	U-1 U-2	300 300	07/2008 10/2008	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)	Original Comm. Schedule	Targeted Comm. Date	Cap. (MW) Achieved	Anticipated/ Actual Date of Comm.	Remarks/ Status
I	COMMISSIONING ASSURED							
A	CENTRAL SECTOR							
1	Kahalgaon STPS-II (Ph-I & II) U-7	Bihar/ NTPC	500	07/07	06/09	500	31.07.09(A)	
2	Bhilai Extn. TPP U-2	Chhattisgarh / NSPCL (NTPC & SAIL JV)	250	10/08	06/09	250	12.07.09(A)	
3	Chandrapura TPS Extn U- 7 U- 8	Jharkhand / DVC	250 250	02/07 04/07	07/09 10/09		10/2009 03/2010	
4	Barsingsar Lignit U-1	Rajasthan/ NLC	125	12/08	10/09		03/2010	
5	NCP Project St-II U-5	U.P./NTPC	490	08/10	01/10		12/2009	
	Sub Total (A)		1865			750		
B	STATE SECTOR							
1	Vijaywada TPP –IV U-1	AP/ APGENCO	500	12/08	06/09		10/2009	
2	Kutch Lignite Extn U-4	Gujarat/ GSECL	75	10/06	05/09		10/2009	
3	Surat Lignit TPP Extn. U-3	Gujarat/ GIPCL	125	12/08	12/09		11/2009	
4	Utran CCPP Extn GT ST	Gujarat/ GSECL	240 134	06/09 08/09	09/09 09/09	240	08.08.09(A) 10/2009	
5	Rajiv Gandhi TPS, Hissar U-1	Haryana/ HPGCL	600	12/09	12/09		12/2009	
6	New Parli TPP U-2	Maharastra/MSPGCL	250	07/09	10/09		12/2009	
7	Paras TPS Extn. U-2	Maharastra/MSPGCL	250	09/09	01/10		01/2010	
8	Chhabra TPS U-1	Rajasthan/RRVUNL	250	11/08	07/09		10/2009	
9	Giral Lignit- II U-2	Rajasthan/RRVUNL	125	08/08	05/09		10/2009	
10	Kota TPP U-7	Rajasthan/RRVUNL	195	02/09	07/09	195	31.08.09(A)	
11	Suratgarh TPP –IV U-6	Rajasthan/RRVUNL	250	11/08	06/09	250	29.08.09(A)	
12	Bakreshwar TPS-II U-5	WB / WBPCL	210	09/07	06/09	210	07.06.09(A)	
	Sub Total (B)		3204			895		
C	PRIVATE SECTOR							
1	Gautami CCPP GT -1 GT- 2 ST	AP/ Gautami Power Ltd.	145 145 174	03/06	06/09	145 145 174	03.05.09(A)	
2	Konaseema CCPP GT-1 GT-2 ST	AP/Konaseema Gas Power Ltd.	140 140 165	03/06	07/09	140 140	05/09(A) 05/09(A) 10/2009	

Sl No	Project Name/ Unit No.	State/ Impl. Agency	Targeted Cap. (MW)	Original Comm. Schedule	Targeted Comm. Date	Cap. (MW) Achieved	Anticipated/ Actual Date of Comm.	Remarks/ Status
3	Lanco Kondapalli Ext. Ph-II GT ST	AP/Lanco Konapalli	233 133	12/09 12/09	12/09 12/09		10/2009 03/2010	
4	Lanco Amarkantak TPS (Pathadi) U-1 U-2	Chhattisgarh /L.A.P. Pvt.Ltd	300 300	03/09 07/09	06/09 12/09	300	04.06.09(A) 01/2010	
5	Mundra TPP Ph-I U-1 U-2	Gujarat/ Adani Power Ltd	330 330	07/09 10/09	08/09 10/09	330	04.08.09(A) 11/2009	
6.	Sugen CCPP Block-2 Block-3	Gujarat /Torrent Power Gen. Ltd.	382.5 382.5	- 02/08	05/09 06/09	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	- 01/09	04/09 12/09	300 300	27.04.09(A) 24.08.09(A)	
8	Sterlite TPP U-1	Orissa/ Sterlite Energy Ltd.	600	07/09	12/09		02/2010	
9	Jallipa-Kapurdi TPP U-1 U-2 U-3 U-4	Rajasthan/ Raj West Power Ltd (JSW)	135 135 135 135	09/09 01/10 03/10 05/10	06/09 09/09 11/09 12/09		10/2009 12/2009 01/2010 03/2010	
10	Budge- Budge-III U-3	WB/ CESC	250	07/09	08/09	250	29.09.2009(A)	
	Sub Total (C)		5290			2989		
	TOTAL ASSURED (A+B+C)		10359			4634		
II	COMMISSIONING WITH EFFORTS							
A	CENTRAL SECTOR							
1	Barsingsar Lignite U-2	Rajasthan/ NLC	125	06/09	01/10		03/2010	
2	Mejia Extn. U-1	W.B/DVC	500	02/2010	02/10		02/2010	
	Sub Total (A)		625					
B	STATE SECTOR							
1	Kakatiya TPP U-1	AP/ APGENCO	500	05/09	03/10		03/2010	
2	Surat Lignit TPP Extn. U-4	Gujarat/ GIPCL	125	04/09	03/10		02/2010	
3	Rajiv Gandhi TPS, Hissar U-2	Haryana/ HPGCL	600	03/10	03/10		03/2010	
4	Chhabra TPS U-2	Rajasthan/ RRVUNL	250	02/09	03/10		03/2010	
	Sub Total (B)		1475					
C	PRIVATE SECTOR							
1	Rithala CCPP GT+ST	Delhi/ NDPL	108	07/09	01/10		03/2010	
2	Jallipa-Kapurdi TPP U-5	Rajasthan/ Raj West Power Ltd (JSW)	135	07/10	02/10		03/2010	
3	Rosa TPP Ph-I U-1	UP/ Rosa Power supply Co. Ltd. (Reliance Energy)	300	03/10	03/10		12/2009	
	Sub Total (C)		543					
	TOTAL COMMISSIONING WITH EFFORTS (A+B+C)		2643					
	TOTAL (ASSURED+ WITH EFFORTS)		13002			4634		

NUCLEAR UNITS PROGRAMMED FOR COMMISSIONING DURING 2009-10

S.No	Project Name	State	Unit No.	Capacity (MW)	Anticipated Date of commissioning	Remarks
A	COMMISSIONING ASSURED					
1	Rajasthan APP	Rajasthan	U-5	220	12/09	NPC has informed that the unit may come only in Nov'09.
2	Rajasthan APP	Rajasthan	U-6	220	03/10	
3	Kaiga APP	Karnataka	U-4	220	03/10	
TOTAL NUCLEAR (ASSURED)				660		
TOTAL THERMAL (ASSURED + WITH EFFORTS)				13002		
GRAND TOTAL (THERMAL + NUCLEAR) 2009-10				13662		

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)

THERMAL POWER PROJECTS UNDER CONSTRUCTION FOR COMMISSIONING DURING 11TH PLAN

AS ON 30-09-2009

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>LOA</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Act(A)/Ant. Comm. Date</i>
<u>CENTRAL SECTOR</u>						
AP	Simhadri STPP Extn.	NTPC	03/07	U-3	500	11/2010
				U-4	500	05/2011
Assam	Bongaigaon TPP		02/08	U-1	250	06/2011
				U-2	250	10/2011
				U-3	250	02/2012
Chhattisgarh	Korba STPP		03/06	U-7	500	10/2010
	Sipat-I		04/04	U-1	660	08/2010
				U-2	660	02/2011
				U-3	660	08/2011
Haryana	Indira Gandhi TPP	APCPL	07/07	U-1	500	09/2010
				U-2	500	01/2011
				U-3	500	04/2011
Jharkhand	Chandrapura TPS Extn.	DVC	06/04	U-7	250	11/2009
				U-8	250	04/2010
	Kodarma TPP		06/07	U-1	500	10/2010
				U-2	500	02/2011
	Maithon RB TPP		10/07	U-1	525	10/2010
				U-2	525	04/2011
Maharashtra	Mauda TPP	NTPC	11/08	U-1	500	03/2012
MP	Vindhyachal TPP-IV		01/09	U-11	500	03/2012
Rajasthan	Barsingsar Lignite	NLC	12/05	U-1	125	02/2010
				U-2	125	05/2010
TN	Neyveli TPS-II Exp.		08/05	U-1	250	05/2010
				U-2	250	02/2011
	Vallur TPP	NTECL	08/07	U-1	500	11/2011
				U-2	500	12/2011
UP	NCP Project St-II, U-5	NTPC	07/06	U-5	490	12/2009
	NCP Project St-II, U-6		12/06	U-6	490	04/2010
	Rihand TPP- III		01/09	U-5	500	03/2012
WB	Durgapur Steel TPS	DVC	07/07	U-1	500	10/2010
				U-2	500	02/2011
	Farakka STPS- III	NTPC	10/06	U-6	500	11/2010
	Mejia TPS Extn	DVC	12/06	U-1	500	04/2010
				U-2	500	05/2010
	Raghunathpur TPP, Ph-I		12/07	U-1	600	04/2011
				U-2	600	07/2011
Sub Total :					16210	
<u>STATE SECTOR</u>						
AP	Kakatiya TPP	APGENCO	07/05	U-1	500	05/2010
	Kothagudem TPP -VI		02/07	U-1	500	03/2011
	Rayalseema TPP St-III		06/07	U-5	210	10/2010
	Vijayawada TPP -IV		07/05	U-1	500	10/2009
Assam	Lakwa Waste Heat Unit	APGCL	03/06	ST	37.2	05/2010
	Namrup CCGT		02/09	GT	70	11/2011
				ST	30	01/2012
Delhi	Pragati CCGT - III	PPCL	05/08	GT-1	250	04/2010
				GT2	250	05/2010
				GT-3	250	07/2010
				GT-4	250	09/2010
				ST1	250	07/2010
				ST-2	250	11/2010
Gujarat	Hazira CCPP Extn.	GSECL	01/08	GT+ST	351	08/2010
	Kutch Lignite TPS Extn		01/04	U-4	75	10/2009
	Pipavav CCPP		03/08	Block-1	351	12/2010

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>LOA</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Act(A)/Ant. Comm. Date</i>
Gujarat	Pipavav CCPP	GSECL	03/08	Block-2	351	04/2011
	Surat Lignite TPP Extn.	GIPCL	03/06	U-3	125	12/2009
				U-4	125	03/2010
	Ukai TPP Extn.	GSECL	09/07	U-6	490	05/2011
	Utran CCPP Extn		04/07	ST	134	10/2009
Haryana	Rajiv Gandhi TPS,Hissar	HPGCL	01/07	U-1	600	01/2010
				U-2	600	03/2010
Karnataka	Bellary TPP St-II	KPCL	08/06	U-2	500	10/2011
	Raichur U-8		03/07	U-8	250	04/2010
Maharashtra	Bhusawal TPS Expn.	MSPGCL	01/07	U-4	500	11/2010
				U-5	500	02/2011
	Khaperkheda TPS Expn.			U-1	500	10/2010
	New Parli TPP		08/06	U-2	250	01/2010
	Paras TPS Expn,U-2			U-2	250	02/2010
MP	Satpura TPP Extn	MPPGCL	03/08	U-1	250	01/2012
Rajasthan	Chhabra TPS	RRVUNL	03/06	U-1	250	11/2009
				U-2	250	04/2010
	Giral Lignite-II		11/05	U-2	125	04/2010
TN	Mettur TPP Ext	TNEB	06/08	U-1	600	07/2011
	North Chennai Extn, U-1		02/08	U-1	600	07/2011
	North Chennai Extn, U-2		08/08	U-2	600	11/2011
UP	Anpara-D	UPRVUNL	10/07	U-1	500	02/2012
	Harduaganj Ext		06/06	U-8	250	11/2010
				U-9	250	09/2010
	Parichha Extn			U-5	250	04/2010
				U-6	250	06/2010
WB	Santalidih TPP Extn Ph-II	WBPDC	03/07	U-6	250	08/2010
Sub Total :					13724.2	
<u>PRIVATE SECTOR</u>						
AP	Konaseema CCPP	Konaseema gas Power Ltd.	03/01	ST	165	10/2009
	Lanco Kondapalli Ext. Ph-II	Lanco Kondapalli	11/07	GT	233	10/2009
				ST	133	03/2010
Chhattisgarh	Lanco AmarkantakTPS Ph-1,U-2	Lanco Amarkantak Power Pvt. Ltd	04/06	U-2	300	01/2010
Delhi	Rithala CCPP	NDPL	05/08	GT-1	35.75	01/2010
				GT-2	35.75	02/2010
				ST	36.5	03/2010
Gujarat	Mundra TPP Ph-1(U-1&2)	Adani Power Ltd	06/06	U-2	330	01/2010
	Mundra TPP Ph-I(U-3&4)		03/07	U-3	330	04/2010
				U-4	330	05/2010
	Mundra TPP Ph-II		09/07	U-1	660	06/2011
				U-2	660	11/2011
	Mundra TPP Ph-III		01/08	U-1	660	09/2011
				U-2	660	12/2011
				U-3	660	02/2012
	Mundra Ultra Mega TPP	Tata Power Co.	05/07	U-1	800	09/2011
				U-2	800	03/2012
Karnataka	Udupi TPP	NPCL	12/06	U-1	507.5	04/2010
				U-2	507.5	06/2010
Maharashtra	JSW Ratnagiri TPP	JSW Energy(Ratnagiri) Ltd	05/07	U-1	300	02/2010
				U-2	300	05/2010
				U-3	300	08/2010
				U-4	300	11/2010
	Tirora TPP Ph-I	Adani Power Ltd	02/08	U-1	660	06/2011
				U-2	660	09/2011
	Tirora TPP Ph-II			U-1	660	12/2011
MP	Sasan UMPP	Reliance Power Ltd.	12/06	U-1	660	12/2011
Orissa	Sterlite TPP	Sterlite Energy Ltd.	05/06	U-1	600	05/2010
				U-2(Ist	600	02/2010

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>LOA</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Act(A)/Ant. Comm. Date</i>
Orissa	Sterlite TPP	Sterlite Energy Ltd.	05/06	U-3	600	08/2010
				U-4	600	11/2010
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	03/07	U-1	135	10/2009
				U-2	135	02/2010
				U-3	135	04/2010
				U-4	135	06/2010
				U-5	135	08/2010
				U-6	135	10/2010
				U-7	135	12/2010
				U-8	135	02/2011
UP	Anpara-C	Lanco Anpara Power Pvt. Ltd.	11/07	U-1	600	01/2011
				U-2	600	06/2011
	Rosa TPP Ph-I	Rosa Power Supply Co.Ltd.- Reliance Energy	03/07	U-1	300	01/2010
				U-2	300	03/2010
	Rosa TPP Ph-II	Reliance Power Ltd.	03/08	U-3	300	12/2011
				U-4	300	03/2012
				Sub Total :		17564
				Total (11th Plan):		47498.2

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

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com.)	COD		
PROJECTS INCLUDED IN 11 TH PLAN								
I. PROJECTS COMMISSIONED								
1.	Ratnagiri CCPP M/sRatnagiri Gas &Power Pvt.Ltd. (Erstwhile Dabhol CCGT Ph II) (Distt. Ratanagiri)	1480					The erstwhile Dabhol CCPP Ph-II was to be synchronized during the year 2001-02 but due to rift between MSEB and DPC, the construction work of Phase-II terminated since June 17, 2001. Since the dispute has been resolved and a new Company Ratnagiri Gas and Power Pvt.Ltd. has been constituted with M/S NTPC and GAIL to revive the project. RGPPL started the revival process and synchronized one block of Ph-II as per the given schedule: CTG2A-30.4.06 CTG2B-14.5.06 STG2X-07.5.06 Block-II achieved COD w.e.f.1.9.07. Synchronization of block-III of Ph-II is planned as per the given schedule: CTG3A-17.06.07 (A) CTG3B-05.09.07 (A) STG3X-28.10.07(A) Block-III COD achieved on 21. 11.07.	
	Block-II (2GT+1ST)	2x240+260	05/06	CTG2A-4/06(A) CTG2B-5/06(A) STG2X-.5/06(A)				
	Block-III (2GT+1ST)*	2x240+260	01/07	CTG3A-17.06.07(A) CTG3B-05.09.07(A) STG3X-28.10.07 (A)				
	Date of TEC (After renegotiation)	: 26.11.93 : (17.4.96)						
	Investment Approval	-						
	Completed cost.	: US\$ 1868 Mn						
	Exp. Upto 10/99	: US\$ 337 Mn						
	Financial Closure	: Achieved on 6th May, 99						
	Exp. During 07-08 (Upto 09/07)	: N.A.						
	Type of fuel	: Naphtha/LNG						
	Date of Main Plant Order	: May 1999						
2.	Sipat STPP St-II (Dist. Bilaspur, Chhattisgarh)	1000					Unit-4 Unit synchronized on 27.5.07. Coal Firing achieved on 24.10.07. Water allocation approval restored. Unit re-synchronized on 06.5.08. Full load operation achieved on 20.05.08.COD achieved on 20.06.08. Unit-5 Unit synchronized on 13.08.08.Coal firing started on 10.11.08.Full Load Operation achieved on 27.12.08.COD declared w.e.f.01.01.09. (only 4 days trial run)	
	Unit-4 *	500	06/07	09/07	05/07(A) 06/08(A)			
	Unit-5 *	500	12/07	03/08	08/08(A) 1/09(A)			
	Date of TEC	: Not required						
	Investment Approval	: N.A.						
	Completed cost.	: Rs. 403967 Lakhs						
	Exp. Upto 03/08	: Rs 307884 Lakhs						
	Exp. During 08-09 (Upto 08/08)	: Rs 8444 Lakhs						
	Type of fuel	: Coal						
	Fuel Linkage	: Available						
	Date of Main Plant Order	:15.12.2003 on M/s BHEL						
* Slipped from 10 th Plan								

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com)	COD		
3.	Bhilai Expn. TPP (Ms NTPC- SAIL Power Company Private Ltd.) (Distt. Durg, Chhattisgarh)	500					Unit-1 Synchronized on 20.04.08.Coal Firing achieved on 05.01.09. Full load achieved on 18.01.09. Unit was resynchronized. The unit ran on full load from 12.03.09 to 15.03.09. COD declared w.e.f.21.04.09. Unit-2 Synchronized on 28.03.09.Coal Firing achieved on 28.03.09. Full load achieved on 12.07.09. COD is expected in 09/09.	
	Unit-1	250	02/08	04/08	04/08(A)	04/09(A)		
	Unit-2	250	08/08	11/08	03/09(A)	09/09		
	Date of TEC	: Not Required						
	Investment Approval	: 03/2005						
	Est.Proj. cost.	: Rs. 248249lakhs						
	Latest Cost	: Rs. 269050 Lakhs						
	Exp. Upto 03/08	: Rs 170520 Lakhs						
	Exp.during 2008-09 (Upto 09/08)	: Rs.35980 Lakhs						
	Type of fuel	: Coal						
	Fuel Linkage	:2.5 MPTA from SECL CHHAL and BARUD coal blocks						
	Date of Main Plant Order	: M/S BHEL on Turnkey basis on 31.3.2005 (Excluding CHP, Make up water, Ash Dyke, Switchyard &Associated Transmission System &MGR)						
	Power Evacuation System: Already commissioned.							
4.	Kahalgaoon STPS St.II Phase-I (Mega Power Project) (Distt.Bhagalpur, Bihar)	1000					a) TEC accorded by CEA on 13.6.03 for revised capacity of 2x500 MW under St.II Ph.-I. Kahalgaoon STPP St.-II was earlier accorded TEC on 23.11.2001 for capacity of 2x660 MW. Investment approval accorded by NTPC Board on2/7/2003. b) Order for boilers was placed on 18.7.03 and that for TGs on 7.8.03 on BHEL. Unit-5 Unit synchronized on 31. 03 . 07. Coal firing completed on 02.02.08 Full load achieved on 14.07.08 and declared w.e.f 1 st Aug.'08. Unit-6: Unit synchronized on 16.03.08. Coal Firing completed on 03.11.08. Unit has achieved full load on 15.12.08. Unit declared on COD w.e.f 30.12.08.	
	Unit-5	500	11/06		03/07(A)	08/08(A)		
	Unit-6	500	05/07		03/08(A)	12/08(A)		
	Date of TEC	: 13.06.2003						
	Investment Approval	: 2/7/2003						
	Sanctioning Authority	: NTPC Board						
	Est Present day cost. (TEC) (For U-5&6)	: US \$ 373.548 M + Rs. 211857.7 lakhs (Exchange rate 1 US\$=Rs.48.50) = Rs.393028.5 lakhs						
	Org. approved cost by NTPC Board(For U-5&6)	: Rs. 400227 Lakhs						
	Org. approved cost by NTPC Board	: Rs. 586838 Lakhs (incl. Unit-7)						
	Exp during 2006-07	:Rs 135082 lakhs (incl U-7)						
	2007-08	:Rs 62831 lakhs (incl U-7)						
	2008-09	:Rs 61813 lakhs (incl U-7)						
	Exp. Up to 03/09	: Rs. 480642 Lakhs (incl. Unit-7)						
Budget Estimate (09-10)	: Rs. 37787 lakhs. (incl. Unit-7)							
Exp. During 09-10 (up to 04/ 09)	: Rs 2147 Lakhs (incl. Unit-7)							
Type of Fuel	: Coal							
Date of Main Plant Order	: SG: 18.7.03 on BHEL TG: 07.08.03							

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com)	COD		
5.	Kahalgao STPS St.-II Ph.II (Mega Power Project) (Distt.Bhagalpur, Bihar) U-7	500 500	 03/07 05/07	 06/07	 03/09 07/09 (A)	 10/09	a) LOI for main plant & equipment was placed on BHEL on 15.12.2003.& LOA in 3/2004. b) Boiler Erection commenced on 17.11.04 and out of 35000 MT of boiler & ESP material, 26179 MT has been erected up to 05/2008. Boiler Drum was lifted on 28.03.2005. Hydraulic test was conducted on 31/10/2006. Light up completed on 18.11.08. ABO completed in Dec'08. Steam Blowing operation (SBO) completed on 01.03.09. Two mills are ready. c) TG erection has commenced in 12/05. TG boxed up on 08/10/2007. TG oil flushing completed in 12/08. TG put on barring gear. Unit Synchronized on 31.03.09 on oil. Full load achieved on 31.07.2009.	
	Investment Approval Sanctioning Authority Est. cost (For U-7) Est. cost Exp during 2006-07 2007-08 2008-09 Exp Up to 03 / 09 Budget Estimate (09-10) Exp. During 09-10 (up to 04/ 09) Type of fuel Date of Main Plant Order	: 05/2004 : NTPC Board : Rs 186610lakhs : Rs 586838 lakhs (incl U-5&6) :Rs 135082 lakhs (incl U-5&6) :Rs 62831 lakhs (incl U-5&6) :Rs 61813 lakhs (incl U-5&6) : Rs. 480642 Lakhs (incl. Unit-5&6) : Rs. 37787 lakhs. (incl. Unit-5&6) : Rs 2141 Lakhs (incl. Unit-5&6) : Coal : LOI : Dec, 03 on BHEL LOA: March, 04						

II. PROJECTS UNDER CONSTRUCTION

1.	Sipat STPP St-I (Super Critical Units) (Dist. Bilaspur, Chhattisgarh)	1980					1. Shell completed for both the Chimney. 2. CHP for unit-1 completed on 31.07.09. 3. AHP for unit-1 is nearing completion and expected to be ready by 10/09. 4. CW system readiness is expected in 12/09. 5. Cooling Tower order placed on Gammon India in 12/04. Mech. Erection in CT-1 completed & commissioned in 7/08. For CT-2 mech. Erection is in progress. Civil works are in progress for CT-3.	- Resolution of commercial issues/ claim submitted by Power Machine.
	Unit-1	660	04/08 (09/08)	10/08	03/10 (07/10)	09/10		
	Unit-2	660	02/09 (07/09)	08/09	09/10 (01/11)	03/11		
	Unit-3	660	12/09 (05/10)	06/10	03/11 (07/11)	09/11		
	Date of TEC	: 17.01.2000						
	Investment Approval	: December'03						
	Date of Approval by State Govt	: N.A.						
	Latest cost.	: Rs. 832339 Lakhs						
	Exp. Upto 03/08	:Rs 464232 Lakhs						
	Exp. Upto 03/09	:Rs 600118 Lakhs						
	Exp. During 09-10 (Upto 07/09)	:Rs. 19584Lakhs						
	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.							- Supply of TG integral piping and HP Hangers & Supports by September, 09 by M/s Power Machine.
								Unit-1 1. Boiler erection commenced in 3/05. 2. Out of 27000 MT of Boiler Material, 23970 MT has been erected till 07/09. 3. Boiler HT completed in 12/06. 4. BLU is expected by 01/10. 5. Condenser erection started in 6/06. 6. TG erection started in 10/06 & TG Box Up is expected in 12/09.
								Unit-2 1. Boiler erection commenced in 6/05. 2. Boiler HT completed in 7/07. 3. BLU is expected by 07/10. 4. TG erection started in 06/07 and Box up is expected in 06/10.
								Unit-3 1. Boiler erection commenced in 1/06. 2. Boiler HT completed in 02/09. 3. BLU expected in 01/11. 4. Condenser erection started in 5/07. 5. TG erection started in 4/08. 6. TG box up is expected in 12/10.

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas	
			Original		Actual (A) /As now expected				
			Syn. Comm.	COD	Syn. Comm.	COD			
2	Simhadari STPP St-II NTPC (Distt Visakhapatnam,A.P.)	1000					CHP – (M/s L&T) excavation works in crusher house & Track Hooper area completed. RCC and structural fabrication & erection work is in progress. Chimney–(M/s Gammon- India) Shell casting completed on 21.02.2009. Flue gas can fabrication is in progress. NDCT-(M/s Gammon India) Raker Column completed. Shell concreting is in progress.	suppl-y of HP / IP turbine & LP Rotor for Unit-3 & 4	
	Unit-3	500	11/2010 03/2011	03/2011	08/2010 11/2010	01/2011			
	Unit-4	500	05/2011 09/2011	09/2011	03/2011 05/2011	07/2011			
	Investment Approval	: 01.08.2007						Unit-3 i) Boiler erection commenced in 01/2008. ii) Out of 24000 MT of boiler material, 10287 MT have been erected upto 08/2009. iii) Out of 7000 MT of ESP material, 4966 MT have been erected upto 08/2009. iv) Boiler Drum lifted on 29/11/2008. v) Hydraulic test is scheduled for 11/2009. vi) Condenser erection commenced on 21/03/09 and is in progress. vii) TG erection commenced in 06/09 and is in progress.	
	Sanctioning Authority	: NTPC Board							
	Estimated cost	: Rs 510339 Lakhs						Unit-4 i) Boiler erection commenced in 06/2008 . ii) Out of 24000 MT of boiler material, 6330 MT have been erected upto 08/2009 iii) Out of 7000 MT of ESP material, 548 MT have been erected upto 08/2009. iv) Boiler drum lifted on 24/03/2009. v) Hydraulic test is scheduled for 02/2010. vi) Condenser erection commenced in 06/09 and is in progress. vii) TG erection expected to start in 01/2010	
	Now Anticipated	: Rs 503853 Lakhs							
	Expd. during 2006-2007.	: Rs 27398 Lakhs							
	Expd. during 2007-2008.	: Rs 17306 Lakhs							
	Exp. During 2008-2009	: Rs 109906 Lakhs							
	Comm. Expd (upto 03/09)	: Rs 154610 Lakhs							
	Budget Estimate 09-10	: Rs 179671 Lakhs							
	Exp. During 2009-2010 (upto 07/09)	: Rs 24081 Lakhs							
	Type of Fuel	: Coal							
	Date of Main Plant Order	SG: 26/ 03/2007 on M/S BHEL TG: 30/03/2007 on M/S BHEL : 30/ 03/2007							
	Zero Date								
	Fuel Linkage	: LOAs issued by MCL for both the units @ 2.31 MTPA each.							
	Associated Transmission System	: 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.							

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn. Comm.	COD	Syn. Comm.	COD		
3	Vallur TPP Ph-I (JV- NTPC-Tamil Nadu Energy Co., Ltd.), NTECL. (Distt Thiruvallur ,TN.) Unit-1 Unit-2	1000 500 500	 11/2010 01/2011 05/2011 07/2011	 02/2011 08/2011	 08/2011 11/2011 09/2011 12/2011	 01/2012 02/2012	Chimney: (M/s Gammon) Shell concreting started on 22/06/09 and 62 Mt completed out of 269 Mts. Flue can fab. Is in progress. Cool. Tower: (M/s Gammon) Pedestal work is in progress	1.Finali-sation of BOPs order for CHP. 2. suppl-y of HP / IP Turbine &LP rotor for unit-I. &2.
	Investment Approval Sanctioning Authority Estimated cost Latest approved cost Expd. during 2005-2006. Expd. during 2006-2007. Expd. during 2007-2008. Expd. During 2008-2009 Comm.Expd (upto 03/09) Exp. During 2009-2010 (upto 08/09) Type of Fuel Date of Main Plant Order Zero Date Fuel Linkage Asso.Transmission system	: 14/07/2007 : NTECL Board : Rs 542355 Lakhs : Rs 555278 Lakhs : Rs 29 Lakhs : Rs 296 Lakhs : Rs 37599 Lakhs : Rs 63749 Lakhs : : Rs 101673 Lakhs : Rs 45098 Lakhs : 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						
		UNIT-1 i) Boiler erection commenced on 05/01/2009 . Out of 20000 MT of boiler material, 5072 MT have been erected upto 08/2009. ii) ESP erection commenced on 25/03/2009. Out of 9000 MT of ESP material , 1494MT have been erected upto 08/2009. iii) Boiler Drum lifted on 10/06/2009. iv) Boiler hydro test expected in 02/2010 v) Condenser erection started on 23/09/2009. iv) TG deck casting completed. UNIT-2 i) Boiler erection commenced on 18/ 07/2009. Out of 20000 MT of boiler material, 642 MT have been erected upto 08/2009 ii) ESP erection commenced in 08/2009. Out of 9000 MT of ESP material , 47MT have been erected upto 08/2009. ii) Boiler Drum lifting expected in 12/2009. iii) Condenser pedestal erection is in progress. iv) TG raft concreting completed.Deck casting is in progress.						

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn. Comm.	COD	Syn. Comm.	COD		
4	Vallur TPP Ph-II (JV- NTPC-Tamil Nadu Energy Co., Ltd.), NTECL. (Distt Thiruvallur ,TN.) Unit-3	500					Main Plant Civil (M/s Gammon) : Work awarded on 28.07.2009. Chimney: (M/s Gammon) Work awarded on 28.07.2009.	
	Investment Approval Sanctioning Authority Estimated cost Latest approved cost Expd. During 2008-2009 Comm.Expd (upto 03/09) Exp. During 2009-2010 (upto 07/09) Type of Fuel Date of Main Plant Order Zero Date Fuel Linkage Asso.Transmission system	500	09/2012 12/2012	12/2012	09/2012 12/2012	12/2012		
			: 07/2009 : NTECL Board : Rs 308678 Lakhs : Rs 308678 Lakhs : Coal (MCL coal fields) : 28.07.2009 (SG &TG) on M/S BHEL : 28/ 07/2009 : In principal clearance received from Min. of coal For Ph-II : PGCL is to execute the following transmission lines through M/s BajaJ. c) VTPP – Almathi 400KV D/C line d) VTPP – Melakottaiyur 400KV D/C line TNEB is to execute the following transmission line : VTPP – NCTPS (TNEB) 400KV D/C line					
5.	Korba STPP St. III (Dist. Korba , Chattisgarh)	500					1. Main plant order of Rs. 996 crores placed on BHEL on 24/3/ 06. 2. Zero date of the project is 08/06. 3. MOE&F clearance received on 31.8.06. 4. Main Plant Civil works ordered in 9/06 by NTPC. Chimney shell casting completed in 11/08. ESP structural steel work is in progress. Boiler 1. Boiler erection started on 17.10.07. 2. Boiler drum lifted on 27.02.08 3. HT completed on 28.01.09 4. Boiler light up expected in 11/09 TG 1 TG deck casting completed in 09/10. 2TG erection started on 07.08.09 3. TG Box up expected in 05/10	1) Completion of coal handling plant transfer tower TP 29 & 30 for duct erection bet'n boiler &ESP. 2) Release of bal., duct support foundations, BC bay with floors for erection work. 3) Bunker bay column erection completion & clearance for structural connection. Supply of balance material (items) for BLU from BHEL- Trichy, Ranipet etc.
	Unit-7	500	02/09 06/09	06/09	08/10 10/10	10/10		
	Date of TEC	Not required						
	Investment Approval	: 08/06.						
	Completed cost.	Rs. 244849 Lakhs						
	Exp. Upto 03/08	Rs. 82720 Lakhs						
	Exp. During 08-09	Rs 67190 Lakhs						
	Exp. During 09-10 (Upto 07/09)	Rs. 11106 Lakhs						
	Total Cumm. Exp. (up to 07/09	Rs 161016 Lakhs						
	Type of fuel	Coal						
	Zero date	08/06						
	Date of Main Plant Order	: 24.3.06 on M/s BHEL (B.T.G)						

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn. comm	COD	Syn. comm	COD		
6.	National Capital TPP, Dadri- St.II-Ph.I & II (Distt. Dadri, UP)	980					<u>unit-5:</u> - Boiler erection commenced in May'07. Out of 22000 MT, about 21052 MT erected till August'09. - Boiler drum lifted on 21st Dec'07. - Boiler hydraulic test completed on 26th Nov'08. Insulation work is in progress. - Erection of Mills, Ducting, Feed water, Condensate & Aux. system is in progress. - ID & FD Fans work is in progress. - Boiler light-up completed on 22.07.09. - Erection of Pass A,B,C&D in ESP area is in progress. Electrode loading for all passes completed. Roofing work is in progress. - Condenser erection commenced in March'08 and TG erection commenced in Jun'08. - TG box-up completed on 15.07.09 & oil flushing in progress. - Synchronisation expected in Last week of October, 09/ First week of November, 09 <u>Unit-6:</u> - Boiler erection commenced in Dec'07. Out of 22000 MT, about 16893 MT erected till August'09. - Boiler drum lifting completed in Apr'08. - Boiler hydraulic test completed on 26th March'09. Insulation work in progress. Erection of Ducting in progress. - Boiler light-up expected by November, 09. - ESP erection in all passes in progress. - Condenser erection and TG erection Commenced in Jan'09. - TG box-up expected by December, 09. <u>BOPs:</u> - Chimney shell and flue can completed. - Order for CHP was placed on M/s Elecon in Apr'07. Track hopper RCC works nearing completion structure in progress. Erection in progress for stacker reclaimer. All 4 crushers are erected. TPs & Conveyors Galleries erection in progress. - Order for AHP was placed on M/s Indure in Jun'07. RCC, fabrication & erection work is in progress. - Order for ND Cooling Tower placed on M/s PCTL . For Unit-5, Shell construction completed. Basin work in progress. Half CT will be ready at the time of synchronisation - Station transformer, UAT, 220 kV DC system, charged. 11kV & 3.3 kV Switchgears commissioned. - C&I panels erection in progress.	Unit-6: Supply & erection of IP & HP turbines by BHEL. Completion of CHP. Completion of Cooling Tower
U-5	490	04/10 08/10	09/10	09/09* 12/09	01/10*			
U-6	490	10/10 01/11	02/11	01/10* 03/10	05/10*			
Date of Sanction	: -							
Investment Approval	: 18 th Oct'06							
Sanctioning Authority	: NTPC Board							
Est. approved cost	: Rs.513533 lakhs							
Cum. Exp. Upto 03/07	: Rs.31673 lakhs							
Cum. Exp. Upto 03/08	: Rs.120420 lakhs							
Cum. Exp. Upto 03/09	: Rs.272305 lakhs							
Exp.During 2009-10 (upto Apr'09)	:Rs. 8634 Lakhs.							
Type of fuel	: Coal							
Fuel linkage	4.03 MMT / CCL							
Date of Main Plant Order	: 31. 07.2006 for U-5) & 19.12.06 for U-6) on M/s BHEL.							
Power Evacuation	Dadri - Loni road line executed by PGCIL matching with commissioning schedule of 400 kV Dadri – Loni road sub - station being constructed by Delhi Transmission Co. Expected commissioning by December'10. However early commissioning Generation can be evacuated with the existing system							

*(Best Efforts)

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Com	COD	Syn. Com	COD		
7	Bongaigaon TPS, Distt:Bongaigaon (Assam) NTPC	750					Chimney (Gammon) : Piling work completed. Unit-1: - Boiler Erection started on 27/02/09. - Boiler Drum lifting expected in Nov.,2009. - ESP area piling completed . - Structural steel fabrication started in 12/08 & erection is yet start. - TG area piling commenced in Nov’2008 and in progress. Unit-2: - Boiler Erection expected to start in Nov.,2009. Unit-3: - Boiler Erection expected to start in Jan.,2010.	i) Placement of order for Coal Handling Plant ii) Slow progress on civil front. iii) Expected despatch of boiler drum for Unit-1 by BHEL in Sept’09. iv) Coal Linkage v) Law & Order problem.
	U#1	250	11/10	-	03/11 06/11	08/11		
	U#2	250	03/11	-	07/11 10/11	12/11		
	U#3	250	07/11	-	11/11 02/12	04/12		
	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 (Upto 08/09)		: Rs.16421 lakhs					
	Type of fuel		: Coal					
	Date of Main Plant Order		: 05/02/08 , BHEL					
	Coal Source and Transportation :		<u>Source of Coal & Transportation</u> : 2/3 of required Coal will be transported from Margarita-Makuma mines of NECL (Upper Assam). Rest 1/3 will be supplied by ECL mines in Raniganj area of West Bengal. Coal will be transported using Railway wagons by BOBR .					
	Power Evacuation:		1. 400KV BTPS(NTPC)- Bongaigaon (PG) D/C Line 2. 220 KV BTPS(NTPC)- Bongaigaon (Assam) D/C Line					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn. comm	COD	Syn. comm	COD		
II PROJECTS UNDER CONSTRUCTION								
8	Farakka STPS Stage-III (Distt Murshidabad, WB) Unit-6 Investment Approval Sanctioning Authority Estimated cost Exp.during 2005-06 2006-07 2007-08 2008-09 Expenditure (up to 03/09) Budget Estimate 09-10 Exp. During 09-10 (upto 04/09) Type of Fuel Date of Main Plant Order	500 500 : 31.07.2006 : NTPC Board : Rs 257044 Lakhs : Rs. 0.0 lakhs : Rs.14464 lakhs : Rs.42695 lakhs : Rs.61675 lakhs : Rs 118834 Lakhs : Rs 80613 Lakhs : Rs 12310 Lakhs : Coal : 30/10/2006 on M/S BHEL	 <u>08/10</u> 12/10	 01/11	 <u>09/10</u> 11/10	 12/10	a. Environmental clearance accorded on 07/02/2007. MOEF clearance obtained in 02/2007. b. Boiler erection started on 30/09/2007. 7015 mT out of 14500 mT of boiler material required for HT erected. Boiler drum lifting completed on 04.02.09. Hydraulic test expected in 12/09. c. TG erection started in 12/09. TG box up expected in 06/10. d. Order for DM Plant placed on M/s Driplex. e. AHP: Civil works in progress. f. Chimney: Shell casting is in progress. g. CT: Civil works are in progress.	
9	Barh STPP (Mega Power Project (Distt.Patna, Bihar) Unit-1 Unit-2 Unit-3 Date of TEC Investment Approval Est. approved cost (Completed cost) Latest approved cost. Exp.during 2005-06 2006-07 2007-08 2008-09 Exp. upto 03/09 Budget Estimate (09-10) Exp. During 09-10 (upto 08/09) Type of Fuel Date of Main Plant Order	1980 660 660 660 : 28.9.2001 : 21. 02.2005 : US \$ 1070.387 Mn + Rs.411563.2 lakhs (Exchange rate 1 US\$ = Rs.46.50) = Rs. 909293 lakhs : Rs 869297 lakhs : Rs.19575 lakhs :Rs.54738 lakhs :Rs.130360 lakhs :Rs.132139 lakhs : Rs.395605 lakhs : Rs. 130489 lakhs. : Rs 36202 lakhs : Coal : SG: 14/03/2005 on M/S Technopromexport Russia :TG: 14/03/2005 on M/S Powermachines, Russia. * Based on SG erection start by 12/09 for Unit-1	 <u>03/09</u> 08/09 <u>01/10</u> 06/10 <u>11/10</u> 04/11		 <u>06/12</u> 11/12 <u>12/12</u> 05/13 <u>06/13*</u> 11/13	a) An approx. 1300 acre of land is under legal possession. Approximately 1372 acres of land has been physically acquired. Land filling and leveling is under progress at site. b) MOE&F clearance has been received on 03/08/2004 c) Coal linkage is available. However FSA is under negotiations with CCL/CIL. d) <u>Cooling Tower.:</u> Excavation and concreting are in progress. e) <u>Chimney.</u> RCC shell concreting of chimney-1 completed. Flue can erection is in progress. f) <u>Coal Handling Plant:</u> Excavation, concreting and erection are in progress. g) <u>Off site Area Civil Works</u> Concreting is in progress. h) <u>Ash Dyke :</u> Stripping, excavation, earth and embankment filling are in progress. Unit-1 a) 10000 mT (approx.) of boiler material received at site. Boiler erection agency is yet to be finalized. Condenser parts supplied. TG deck concreting state-I completed. LOI to TG erection agency issued but advance is yet to be paid. Unit-2 a) Boiler erection expected to start in 06/2010. b) TG raft completed. Columns up to 12.2 m completed. Deck casting is yet to start. Condenser material received at site. Unit - 3 a) Boiler erection started in 1/08 by M/s NTPC. b) TG raft works are in progress.	Delay in supply of boiler material from Russia.. Delay in Finalization of boiler erection Agency as TPE wants removal of ceiling on price variations.	

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn. comm	COD	Syn. comm	COD		
10	Indira Gandhi STPP (Aravali Power Co. Pvt. Ltd.) (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. 3. NIT for station piping is re-issued in 10/08. Unit-1 1. Boiler erection started on 23.04.08. M/s PCP is the boiler erection agency. 9593 mT boiler material, 2763 mT of ESP material erected. Drum lifting completed on 12.12.08. Hydro test expected in 11/09. Chimney: shell casting completed. Flue can erection to start. 2. Cooling tower: shell casting up to 135 m completed. 3. TG erection started on 29.04.09. Unit-2 Boiler erection started on 30.11.08. 6724 mT of boiler materials 1594 MT of ESP material erected. Drum lifted on 09.04.09. TG deck casted. TG erection yet to start. Unit-3 Boiler erection started on 19.03.09. 2679 MT of boiler material erected. TG raft casting completed and all column first lift completed.	-Supply of Bottom ring header of Unit-1 & 2 -Signing of FSA - Land acquisition for raw water pipe line. -Order placement for ash dyke - supply of HP Turbine of U-1, HPT/ IPT, LP rotor for generator of unit-2 & 3.
	U-1	500	07/10 09/10	10/10	06/10 10/10	11/10		
	U-2	500	10/10 12/10	01/11	10/11 01/11	02/11		
	U-3	500	01/11 03/11	04/11	01/11 05/11	06/11		
	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.5700 Lakhs						
	Exp.During 2006-07	: Rs 31 Lakhs						
	2007-08	:Rs. 108100 lakhs						
	2008-09	:Rs. 128900 lakhs						
	2009-10 (up to 16.07.09)	:Rs. 38200 lakhs						
Type of fuel	: Coal							
Funding	:							
Date of Main Plant Order	: SG on 06.07.2007 & TG on 16.07.2007 on M/s BHEL.							
11	Nabinagar TPP (PO.-Nabi Nagar ,Distt.:Aurangabad, Bihar)						Main Plant order placed on BHEL in Jan'08. 700 acres of land acquired. Balance amount of land acquisition in progress. Zero date yet to be finalized. Boiler erection of unit-1 expected to start in 03/10.	Acquisition of balance land Finalization of zero date
	U-1	250	12/10 03/11	04/11	11/11 02/12	03/12		
	U-2	250	04/11 07/11	08/11	03/12 06/12	07/12		
	U-3	250	08/11 11/11	12/11	07/12 10/12	11/12		
	Date of Sanction	:-						
	Investment Approval	:-						
	Sanctioning Authority							
	Orig. Est. Cost	Rs.535200 (inclu. Of U-4)						
	Latest.Est. Cost							
	Exp.during 2005-06	0.0 lakhs						
	2006-07	0.0 lakhs						
	2007-06	25600 lakhs						
	Cum. Exp. Upto 03/08	Rs.25600 lakhs.						
	Exp.During 2008-09 (up to 09/08)	Rs.28300 lakhs						
Type of fuel	: Coal							
Funding								
Date of Main Plant Order	Main Plant order placed on BHEL in Jan.'08.							

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			<u>Syn.</u> comm	COD	<u>Syn.</u> comm	COD		
12	Barh Super Thermal Power Plant, Stage-II NTPC, (Distt. Patna, Bihar)	2x660					Steam generator package awarded in March,2008 and Steam turbine generator package awarded in October,2008.	
	U#1	660	<u>10/12</u> 12/12	01/13	<u>10/12</u> 03/13	04/13	Piling works have commenced in Sept,2008. The progress of other project activities is as per target.	
	U#2	660	<u>08/13</u> 03/13	04/13	<u>08/13</u> 01/14	02/14		
	Date of approval	:					Unit-1	
	Date of Approval by State Govt.	: N.A.					Boiler erection expected to start in 12/09.	
	Org.Est. cost	: Rs.734104 lakhs						
	Latest cost	: Rs.734104 lakhs						
	Exp.during 2007-08	: Rs.6677 lakhs						
	2008-09	:Rs.42080 lakhs						
	Exp. Up to 03/09	: Rs. 48757 lakhs						
	Budget Estimate (09-10)	: Rs.96412 lakhs						
	Exp. During 09-10 (Upto 08/09)	: : Rs. 7039 lakhs						
	Type of fuel	: Coal						
	Date of Main Plant Order	: SG & Aux. on BHEL in 03/08. : TG & Aux on BHEL in 10/8.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com)	COD		
	12 th Plan Projects							
13	Mouda 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.	
	Unit-1	500	02/12 (06/12)	07/12	12/11 (03/12)	04/12		
	Unit-2	500	08/12 (12/12)	01/13	06/12 (09/12)	10/12		
	Date of TEC Investment Approval	: Not required						
	Est. approved cost	: 11/07						
	Exp. Upto 03/09	: Rs. 545928 Lakhs						
	Exp. During 09-10	: Rs. 44708 Lakhs						
	(Upto 07/09)	: Rs 6259 Lakhs						
	Type of fuel	: Coal						
Fuel Linkage	: Available							
Date of Main Plant Order	: 11/08 on M/s BHEL(BTG)							
Power Evacuation System:								
14	Vindhyachal-IV TPP (Dist. Sidhi, M.P.)	1000					1. LOA placed on BHEL for SG package in 01/09 and for TG package in02/09. 2. Coal linkage yet to be accorded.	Coal linkage to be expedited.
	Unit-11	500	04/12 (08/12)	09/12	04/12 (08/12)	09/12		
	Unit-12	500	10/12 (02/13)	03/13	10/12 (02/13)	03/13		
	Date of TEC Investment Approval	: Not required						
	Est. approved cost	: Rs. Lakhs						
	Exp. Upto 03/08	: Rs. Nil Lakhs						
	Exp. During 08-09	: Rs Lakhs						
	(Upto 02/09)							
	Type of fuel	: Coal						
Fuel Linkage	: Available							
Date of Main Plant Order	: 01/09 for SG & 02/09 for TG on M/s BHEL(BTG)							
Power Evacuation System: Existing Transmission lines.								

BROAD STATUS OF TRIPURA CCPP THERMAL POWER PROJECT

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. comm	COD	Syn. comm	COD		
II	PROJECT UNDER CONSTRUCTION							
1.	Tripura CCPP Distt. Palatana Distt:Udaipur (Tripura) OTPC (JV of ONGC, Tripura State and IL&FS)	2x363.3					• All statutory clearances are available. • MOE&F clearance received . • Project land acquired. • EPC contract awarded on 23.06.2008 on M/s BHEL by OTPC. • Shareholders Agreement executed between the promoters. • Gas Sales & Purchase Agreement (GSPA) executed between OTPC and ONGC. • BHEL appointed M/s SNC Power Corp. (P) Ltd., as civil contractor for the project. • Logistics tender issued. Bids under evaluation. • Civil construction tender issued. • Major long lead items ordered namely GT, Rotor forgings, STG etc. • L2 Network is under finalization with BHEL	•Transportation of heavy equipments to site. •Placeme nt of order for civil works. •Placeme nt of order for BOPs. •Transmis -sion Lines/Po -wer Evacuati -on/Start up Power
	U#1	363.3	01/12	-	06/12 07/12	09/12		
	U# 2	363.3	04/12	-	11/12 12/12	02/13		
	Date of Approval by State Govt.		15.01.2007					
	Org. Est. cost		Rs. 342900 lakhs					
	Latest cost		Rs. 342900 lakhs					
	Exp. During 08-09 (Up to 12/08)		: Rs 6000 lakhs					
	Financial closure		: July'09					
	Type of fuel		: Natural Gas(base fuel)					
	Fuel Source		: From ONGC basin through pipeline					
	Date of Main Plant Order		: 23.06.2008 on M/s BHEL					
	Zero date of the project		: 23.06.2008					
	Power Evacuation		1. 400 kV Pallatana- Silchar D/C line with twin Lapwing conductor 2. 400 kV Silchar-Bongaigaon D/C line with twin Lapwing conductor 3. New 2x200 MVA 400/132 kV substation at Silchar (Assam) 4.Pallatana- Surajmani Nagar 400 kV DC charges at 132 kV					

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

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
PROJECTS INCLUDED IN 11 TH PLAN								
I	PROJECTS COMMISSIONED							
	Nil							
II.	PROJECTS UNDER CONSTRUCTION							
1.	Neyveli TPS-II Exp.* NLC (Distt. Cuddalore, TN.)	500					i) M/s Tata Consulting Engineers, Bangalore, appointed as project consultant. ii) 99% of boiler material supply received at site for Unit 1&2 iii) Switch yard charged and commissioned on 19.09.2009.	1.Short- age of HP Welders & Man- -power. 2. Sorting out of financial Issues by BHEL.
	U-1	250	11/08 02/09	02/09	03/10 05/10	07/10		
	U-2	250	03/09 06/09	06/09	12/10 02/11	04/11		
	Date of TEC	19.8.02						
	Date of Sanction	18.10.04						
	Sanctioning Authority	CCEA						
	Est. Approved Cost	Rs 203078 Lakhs						
	Latest Cost.	Rs 245357 Lakhs						
	Expd. during 2004-2005.	Rs 585 Lakhs						
	Expd. during 2005-2006.	Rs 16175 Lakhs						
	Expd. during 2006-2007.	Rs 25239 Lakhs						
	Expd. during 2007-2008.	Rs 73497 Lakhs						
	Expd. during 2008-2009	Rs 52167 Lakhs						
	Cumm. Exp. (upto 3/09)	Rs 167663 Lakhs						
	Exp.during 2009-2010 (upto 09/2009)	Rs 15969 Lakhs						
	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 isavailable from Neyveli Exp. Mine-II vide Min. of Coal & Mines leter 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							
	Unit-1 i) Boiler erection commenced on 28.04.2007. ii) Boiler Drum lifted on 06.02.2008. iii) Pressure parts erection is in progress. 37187 out of 50000 HP weld joints completed upto 25.09.2009. iv) Hydraulic Test conducted on 27/ 06/2009. v) Boiler light up expected in 01/10. vi) Condenser, Deaerator and CEP erection completed. vii) TG erection commenced on 07/10/2008. HP & IP Turbine modules erected. LP Turbine erection is in progress Unit-2 i) Boiler erection commenced on 25.07.2007. . ii) Boiler Drum lifted on 31.05.2008. iii) Pressure parts erection is in progress. 11227 out of 50000 HP weld joints completed upto 25.09.2009. iv) Hydraulic Test expected in 03/2010. v) Condenser erection started on 16/ 06/2009 and is in progress. vi) TG deck slab concreting competed. TG erection expected to start in 10/09							

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/ As now Expected			
			Syn.	COD	Syn.	COD		
2	Tuticorin TPP TN joint venture with NLC (NTPL) Distt. Tuticorin, TN.	1000					1. 108 hectares of Land is available. 2. Sea water after treatment. 3. MOE&F clearance accorded on 13.06.2007. 4. M/s MECON appointed consultant for the project . 5. Funding is arranged with RECL for Rs. 3437 Crs. 6. PPA signed with TNEB, ESCOMs of Karnataka, PED Puducherry and KSEB. Unit-1 Boiler erection is expected to start on 25.11.2009.	
	U-1	500	<u>01/12</u> <u>02/12</u>	03/12	<u>01/12</u> <u>02/12</u>	03/12		
	U-2	500	<u>06/12</u> <u>07/12</u>	08/12	<u>06/12</u> <u>07/12</u>	08/12		
	Date of Sanction	: 12.05.2008.						
	Sanctioning Authority	: CCEA						
	Date of Inv. Approval.	: 12.05.2008.						
	Est. cost	: Rs 490954 Lakhs						
	Exp. during 2007-2008	: Rs 827 Lakhs						
	Exp.during 2008-2009	: Rs 22042 Lakhs						
	Comm. Exp.upto 03/09	: Rs 22869 Lakhs						
	Exp. during 2009-10 (upto 04/2009)	: Rs 9998 Lakhs						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 28.01.2009 (BTG) on M/s BHEL.						
	Zero Date	: 28.01.2009.						
	Fuel Linkage	: Long term coal linkage for 4.624 MTPA of coal is available from Talcher coal fields.						

Sl. No	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/ As now Expected			
			Syn.	COD	Syn.	COD		

PROJECTS INCLUDED IN 11TH PLAN

I	PROJECTS UNDER CONSTRUCTION							
2	Barsingsar lignite TPP (Distt – Bikaner)	250					M/s Tata Consulting Engineers, Bangalore, have been selected as the project consultant.	
	U-1	125	09/08 11/08	12/08	11/09 02/10	03/10	<u>Unit-1</u>	
	U-2	125	03/09 05/09	06/09	02/10 05/10	06/10	a) Boiler erection commenced in March'07..Refractory erection completed. PA fan lube oil piping erection in progress.	
	Date of Sanction	12/04						b) Boiler drum lifted on 21 st Jun'07.
	Sanctioning Authority	CCEA						c) Boiler hydro test completed on 11 th Aug'08.
	Est. Approved Cost:	Rs. 111418lakhs						d) 11 th Aug'08.
	Latest Est.Cost:	Rs. 162609 lakhs						e) Boiler light-up is completed on 15th Sep'09.
	Cumm. Exp. (3/07)	Rs. 28811 lakhs						f) Condenser erection commenced in Mar'08.
	Exp.during 2007-08	Rs 44056 lakhs.						g) TG erection commenced in July'08. TG box-up completed on 15.04.09. Oil flushing completed.
	Exp.during 2008-09	Rs 42760 lakhs.						
	Exp.during 2009-10 (upto 06/09)	Rs 9024 lakhs.						
	Type of Fuel	Lignite						<u>Unit-2</u>
	Fuel linkage	2.10 MTPA from Barsingsar lignite mine						a) Boiler erection commenced in May'07. 9480 MT boiler &ESP material erected out of 14555 MT.
	Date of Main Plant Order	29.12.2005 on BHEL						b) Boiler drum lifted on 14 th Sept'07.
	Power Evacuation							c) Boiler Hydraulic test completed on 1 st June'09. Insulation & refractory work is in progress.
								d) Boiler light-up is expected by Dec'09.
								e) TG erection commenced in Nov'08. Bearing pedestals grouted. Gen. Stator placed. Rotor threading completed.
								f) TG box-up is expected by Sep'09.

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

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas		
			Original		Actual(A) / As now Expected					
			Syn. (Comm)	COD	Syn. (Comm)	COD				
A	PROJECTS INCLUDED IN 11 TH PLAN									
I	PROJECTS COMMISSIONED. 500 MW									
1.	Mejia TPS Ph-I (Distt. Bankura, West Bengal)	500					Unit-5: Unit synchronized on 30.03.07.Coal firing started on 24.11.07, full load around 260 MW achieved on 2 nd Jan'08 and declared for commercial operation since 29 Feb'08. Unit-6*: Unit Synchronised on 01.10.2007. Coal firing was done on 30 Mar'08. Full load (253 MW) achieved on 22.05.2008. The Unit declared for commercial operation since 24 Sep'08. * Unit slipped from 10 th Plan.			
	Unit-5 Unit-6	250 250	11/06 01/07	01/07 03/07	03/07 (A) 01/10/07(A)	29/02/08 (A) 24/09/08 (A)				
	Investment approval : 18.02.2009 (DVC Board)									
	Revised Estimated cost : Rs.236663 lakhs									
	Exp. During 2004-05 : Rs 29883.34 Lakhs									
	Cumul. Exp. 2004-05 : Rs. 29906.34 Lakhs									
	Exp. During 2005-06 : Rs 50163 Lakhs									
	Cumul. Exp. 2005-06 : Rs 80069.34 lakhs									
	Exp. During 2006-07 : Rs 84979.94 lakhs									
	Cumul. Exp. 2006-07 : Rs 165049.28 lakhs									
	Exp. During 2007-08 : Rs 37248 lakhs (prov.)									
	Cumul. Exp. 2007-08 : Rs 202297.28 lakhs (prov.)									
	Budget Estimate (08-09) : Rs. 1975 lakhs									
	Revised Estimate (09-10) : Rs. 18073.65 lakhs									
	Exp. in 2008-09 : Rs 13000 lakhs (Provisional)									
	Cumulative exp. : Rs. 215297.28 lakhs (Provisional)									
	Type of fuel: Coal									
	Date of Main Plant Order: 15.06.04 on M/s BHEL(EPC)									
II. PROJECTS UNDER CONSTRUCTION										
1.	Chandrapura TPS (Distt.Bokaro Jharkhand)	500							Unit-7 Unit synchronized on 06.01.09.Coal firing is achieved on 15 Sep'09 with the alternative route. Coal firing was achieved by AB Mill. Mill-CD trial run done on 02.09.09. Full load operation on Coal with two mills is expected in Nov'09 and COD by December'09 Unit-8 BOILER Boiler Erection commenced on 31.01.2006. Boiler drum was lifted on 14.08.2006. Hydraulic test (Drainable) completed on 02 nd November'07.The Boiler Lightup is expected in Nov '09. TG : TG erection started on 05.08.08 and it is in progress. Coal Handling Plant: Commissioning with reclaim hopper route is contemplated at present with one Unit. Erection of Conveyor 10-B is in advanced stage. CHP was expected to be ready by Dec.'09	Completion of Ash handling plant & Coal Handling Plant. Completion of Fuel Oil & PT plant. Slow progress of TG erection of U-8
	Unit -7	250	11/06 12/06	01/07	01/09(A) 11/09	12/10				
	Unit -8	250	01/07 02/07	03/07	01/10 02/10	03/10				
	Investment approval. : 09.06.2004 (DVC Board)									
	Estimated cost : Rs.206645 lakhs									
	Revised Estimated cost : <Under preparation>									
	Exp. During 2004-05 : Rs 26561.00 Lakhs									
	Cumul. Exp. 2004-05 : Rs. 26561.00 Lakhs									
	Exp. During 2005-06 : Rs 39162.00 Lakhs									
	Cumul. Exp. 2005-06 : Rs 65723.00 lakhs									
	Exp. During 2006-07 : Rs 58811.00 Lakhs									
	Cumul. Exp. 2006-07 : Rs 124534.00 lakhs									
	Exp. During 2007-08 : Rs 46306.00 Lakhs									
	Cumul. Exp. 2007-08 : Rs 170840.00 lakhs									
	Exp. During 2008-09 : Rs 29422.00 Lakhs									
	Cumul. Exp. 2008-09 : Rs 200262.00 Lakhs									
	Exp. During 2009-10 : Rs 7480.00 Lakhs									
	Cumul. Exp. 2009-10 : Rs 207742.00 Lakhs (July_09)									
	Date of Main Plant Order : 30.06.04 on M/s BHEL (Turnkey)									
	Type of fuel : Coal									
	Power Evacuation System: 1) 220 KV D/C LILO of CTPS-MTPS at Kalyaneshwari CKT-I (89 Ckm) & CKT-II(90 Ckm) expected to complete by Sep'09. 2) 220 KV D/C LILO of Kalyaneshwari-Pithakyari Line (8 Ckm X 2) expected to complete by June'09. Fuel Supply Arrangement: 2.0 MTPA Coal from Gondulpara, CCL, Coal block jointly allocated to TVNL & DVC on 50:50 basis from 2013-14 and before this CCL will supply 2.08 MTPA coal.									

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Comm)	COD	Syn. (Comm)	COD		
2.	Mejia TPS Ph-II, Units-1&2 (Distt. Bankura, West Bengal)	2x500					- LOA(EPC) was placed on BHEL on 08.01.07. Unit-1: - Boiler erection started on 26.09.2007 & 10817 MT material has been erected so far .Drum lifting was done on 29.03.08. Boiler hydro test was conducted on 9th April'09. The BLU is expected in Oct'09. - Condenser erection started on 25.09.08 .Condenser water filling test is completed. TG erection was started from 25.11.08. IPT alignment completed. Rotor threading Completed, End shield assembly in progress. Turbine Box Up expected in Oct'09. Unit-2 - Boiler erection started on 30.12.2007 & around 8988 MT structure has been erected. Drum lifting was done on 08.07.2008. Boiler hydro test was conducted on 27th July'09. Erection work of 2 nos. mills in LHS started on 05.06.2009.Lightup expected in Dec'09 - TG deck casting completed on 08.11.08. Condenser erection started in 10th Jan.09. Condenser box assembly completed, welding in progress. Guide channel erection in progress. Grouting of brg. Peds. & LP base plate completed .Generator anchor/ embeded plates matching completed. TG boxup expected in 12/09. ESP of Unit 1 & 2: ESP erection work of unit-1& 2 started on 11.12.07 & 05.02.08 and 5844 & 5335 MT material has been erected so far respectively. Chimney The construction of chimney shell was completed. Flue can Erection of 6th segment i.e. last segment of U#1 has been completed.. Natural Draft Cooling Tower (NDCT) NDCT-1: Shell manual left (1-9) was completed and Shell Jump Form casting is in progress. NDCT-2: Shell manual left (1-9) was completed and Shell Jump Form casting is in progress.	
	Unit-1	500	10/09 11/09	12/09	12/09 02/10	04/10		
	Unit-2	500	01/10 02/10	03/10	03/10 05/10	07/10		
	Investment approval. : 26.8.2006 (DVC Board)							
	Orig. Est. completed cost : Rs.467689 lakhs							
	Revised Estimated cost : <Under preparation>							
	Exp. During 2006-07 : Rs. 39746.32 lakhs							
	Cumulative Exp.2006-07 : Rs. 39746.32 lakhs							
	Exp. During 2007-08 : Rs. 66322.00 lakhs							
	Cumulative Exp. 2007-08 : Rs. 106068.32 lakhs							
	Exp. in 2008-09 : Rs. 159785.00 lakhs							
	Cumulative Exp. 2008-09 : Rs. 265853.32 lakhs							
	Exp. in 2009-10 : Rs. 41905.00 lakhs							
	Cumulative Exp. 2009-10 : Rs. 307758.32 lakhs(July_09)							
	Type of fuel: Coal							
	Date of Main Plant Order: 12/12/06 on M/s BHEL(EPC)							
	08.01.07 (LO awards)							
	Power Evacuation System:							
	a) 400 KV D/C Maithon-Jamshedpur (PG) Line S/C LILO at Mejia –(90 Ckm) to meet the startup power of MTPS Ph-II expected to complete by July'09.							
	b) 400 KV D/C Mejia-Maithon (PG) Line 114 Ckm for the power evacuation of MTPS Ph-II expected to complete by March '10.							
	Fuel Supply Arrangement:							
	a) Barjora (North) & Khagra-Jaydev for 3 MT each, Coal block was allocated to DVC with proposed use of MTPS PH-II which will be expected to be in operation from March '10 .							
	b) Before the development of above blocks, DVC has applied for tapering linkage@2.5 MTPA to MoC with the recommendation of CEA & MoP.							
	Project Zero date: 31.12.06							

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Comm)	COD	Syn. (Comm)	COD		
3.	Koderma TPP St-I, PS- Jai Nagar, Distt-Koderma, Jharkhand State	1000					Leveling & Grading: Work in Progress Unit-I 1) Boiler erection started on 15.09.2008 & 5459 MT has been erected so far. Drum was lifted on 08.03.09. Boiler hydro test is expected in Jan'10. 2) ESP: Erection work started on 20.01.09 and 2110 MT materials has been erected so far. 3) TG – TG deck casting is completed. Condenser erection work expected to start in Oct'09. 4) NDCT-I- RCC ring beam work is completed. RCC pedestal work is in progress 5) Mill Bay Mill Foundation & Bunker Bay : RCC pedestal/raft work (LHS) is completed. 6) Power House erection work of unit started on 23.01.09 and 3680 MT materials have been erected so far Unit-2 1) Boiler erection started in Jan'09 & 3345 MT has been erected so far. Drum was lifted on 09.07.09. Boiler hydro test is expected in Mar'10. 2) TG: Column Ist casting is in progress. 3) ESP: RCC column work is in progress. 7) Mill Bay Mill Foundation & Bunker Bay : RCC pedestal/raft work is in progress. 8) Power House fabrication work started and 1192 MT materials have been fabricated so far. Final lift & bolting in all Passes completed on 29.08.09. The erection work is expected to start in Oct'09 9) NDCT-II: Excavation work is completed and RCC work is in progress. Common area: 1) Chimney- .RCC shell casting is in progress.. 2) Switchyard- CRB Fdn(29 nos.) completed so far . 3) C.W Pump House: PCC work is completed.. Casting of raft is in progress. 4) Coal Handling Plant: RCC work of Track Hopper, Stacker Reclaimer 1& 2, TP-1,10,11 & 9 are in progress. Conveyer -12 A/B,3A/B,4A/B erection work started and galleries are erected so far. Erection for Stacker Reclaimer in progress	Delay in Land acquisition for ash pond and water system. Delay in Chimney construction Slow work of NDCT and switch yard year. Inadequate erection gang Supply of HPT,IPT & LP rotor by BHEL
	Unit-1	500	05/10 06/10	06/10	09/10 11/10	12/10		
	Unit-2	500	09/10 10/10	10/10	01/10 02/11	03/11		
	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 36057.00 Lakhs							
	Cumul. Exp. 2009-10 : Rs 180036.17 Lakhs(July_09)							
	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 expected to complete by August'09. b) D/C LILO of 132 KV Barhi-Koderma Line at 220 KV Koderma S/Stn-16.376 Ckm to meet the startup power expected to complete by August'09. c) 400 KV D/C Koderma-Gaya Line 160 Ckm for the power evacuation of KTPP expected to complete by September '10.							
	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							

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Comm)	COD	Syn. (Comm)	COD		
4.	Raghunathpur TPP Ph-I ,Raghunathpur, Distt-Purulia, West Bengal	1200					1) The construction of boundary wall & Peripheral roads is in progress. 2) Work for construction power & diversion of 33 KV line is in progress. 3) The grading & leveling work of Plant area is in progress. Unit-I 1) Boiler erection started in March' .2009 & 1400 MT material has been erected so far. Drum lifting is expected in Oct'09. 2) Power House: 50MT erection completed . 3) TG Foundation: PCC in TG base raft is completed & 47% RCC work in TG raft is completed. 4) ESP: 93% of PCC & RCC raft work is completed Bolt Fixing is under progress. 5) NDCT-I- Excavation work is completed. 63 % of. RCC work is completed. Mill & Bunker: 70% RCC work for Pedestal completed. 50 % Bolt fixing is completed.. 6) completed.. 7) Bunker foundation is completed. Unit-2 1) Boiler erection started in Sep' 09 . 2) Power House TG Building : 58% of PCC work in foundation is completed . RCC work is in progress 3) TG excavation work is completed. 4) Mill & Bunker : RCC in Bunker Foundation is completed & 51% RCC in Pedestal is completed. 5) ESP Foundation: Excavation work is in progress. 6) NDCT-II: 95% excavation work is completed. Raft casting work of nearby area is in progress. Common area: 1) Chimney- Foundation work under progress. 2) Switchyard- Switchyard- Earth work completed. Out of 59 foundations,14 nos. completed so far . RCC of rest pedestals is in progress. 3) CW Fore bay & Pump House: RCC work in Raft of fore bay & pump house is completed. RCC work for wall in fore bay and pump house in under progress. 4) HFO & LDO Storage Tank foundation: Excavation work is under progress. PCC and RCC work is under progress. 5) Compressor Building, Canteen Building, Chemical Laboratory, Maintenance Building, and Permanent Store: RCC work in above area is in progress.	Frequent stoppage of work by land losers & ITI Students. Awarding of balance packages order as C&I etc. Delay in land acquisition for Ash Pond, Ash Corridor etc. Non availability of 33 KV power.
	Unit-1	600	09/10 10/10	11/10	11/10 02/11	03/11		
	Unit-2	600	12/10 01/11	02/11	02/11 05/11	06/11		
	Investment approval. : 30.04.2007 (DVC Board)							
	Estimated cost : Rs.412200 lakhs							
	Exp. During 2006-07 : Rs 40.92 Lakhs							
	Cumul. Exp. 2006-07 : Rs 40.92 Lakhs							
	Exp. During 2007-08 : Rs 39620.00 Lakhs							
	Cumul. Exp. 2007-08 : Rs 39660.92 Lakhs							
	Exp. During 2008-09 : Rs 18920.00 Lakhs							
	Cumul. Exp. 2008-09 : Rs 58580.92 Lakhs							
	Exp. During 2008-09 : Rs 19547.00 Lakhs							
	Cumul. Exp. 2008-09 : Rs 78127.92 Lakhs(July_09)							
	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 expected to complete by Sep'09. (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.							

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Comm)	COD	Syn. (Comm)	COD		
5.	Durgapur Steel TPP, Andal, Distt-Burdwan, West Bengal State	1000					Leveling & Earth filling work of both units completed.	Delay in Land acquisition for intake pump and pipe line corridor & Ash Pond.
	Unit-1	500	06/10 07/10	07/10	08/10 10/10	11/10	Unit-1: Boiler erection started on 24.10.2008 against the schedule of 03.05.2008 & 5419 MT has been erected so far. Boiler drum was lifted on 29.04.09. HT expected in Jan'10. BLU is expected in May'10.	
	Unit-2	500	10/10 11/10	01/11	12/10 02/11	03/11	TG Deck casting completed. The erection is expected to start in Oct'09.	
Zero Date of Project : 03.08.2007								Availability of Cranes (600 T and 250 T) at site.
Main Plant order Date : 27.07.2007 on BHEL								
Estd. cost : Rs.445700 Lakhs								
Exp. During 2006-07 : Rs 32.19 Lakhs								Timely supply of turbines, Generators transformers, Station Transformer.
Cumul. Exp. 2006-07 : Rs 32.19 Lakhs								
Exp. During 2007-08 : Rs 38732.00 Lakhs								
Cumul. Exp. 2007-08 : Rs 38764.19 Lakhs								Readiness of DM Plant.
Exp. During 2008-09 : Rs 122058.00 Lakhs								
Cumul. Exp. 2008-09 : Rs 160822.19 Lakhs								
Exp. During 2009-10 : Rs 21572.00 Lakhs								
Cumul. Exp. 2009-10 : Rs 182394.19 Lakhs (July_09)								
Power Evacuation System:								
(i) S/C LILO of 400 KV Durgapur (PG)-Jamshedpur(PG) D/C Line at DSTPP-3.72 Ckm to meet the startup power of DSTPP expected to complete by Sep'09.								
(ii) 400 KV D/C DSTPP-Raghunathpur Line 138 Ckm for the power evacuation line expected to complete by May'10.								
Fuel Supply Arrangement:								
4.62 MTPA Coal from ECL, Coal block jointly allocated to DSTPP & RTPP PH-I & II and before this CCL will supply coal.								
Project zero Date:- 03.08.2007								
ESP: Erection work started in Feb'09 and 1436 MT material has been erected so far.								
Power House: Power House erection work of unit-1 started and 30% work have been erected so far .								
Natural Draft Cooling Tower The PCC & RCC work completed. RCC shell is in progress (62%).								
Unit-2 Boiler erection started in Dec'08 against the schedule of 03.08.2008 and 4032 MT erected so far. HT expected in Mar'10.BLU is expected in Aug'10.								
ESP: Erection work started in Feb'09 and 1408 MT material has been erected so far.								
Power House: Power House erection work of unit- 2 started and 29% work have been erected so far.								
TG Deck casting completed. The erection is expected to start in Nov'09.								
Natural Draft Cooling Tower The PCC & RCC work completed for NDCT. RCC raker column is in progress.(36%)								
Coal Handling Plant: RCC work of Track Hopper, Stacker Reclaimer 1& 2, Conveyer 3A/B trestle, Conveyer 9 A/B trestle, Conveyer 10 A/B ,TP-1 are in progress. Crusher house erection work (60%) have been completed.								
Water Package: RCC Work of Clarified Water Storage Tank, Coal Slurry Settling Pond, D M Plant Building, Reactor Clarifier 1&2 PT CW, Cascade Aerator & Stilling Chamber PT CW, Clarifier PT-DM (2Nos), Cascade Aerator & Stilling Chamber PT-DM, Raw Water Sump & P/H, Neutrilization Pit is in progress.								
Chimney The PCC work completed. & RCC shell is in progress (95%-242/270 mtre).								
Switchyard- Civil work: 38 nos. of Gantry,22 nos Beams,3nos. LM,365nos. Equipment Structures and 85nos Equipment erected. Stringing inside Switch Yard completed.								
AHP: RCC of ash slurry Pump house, Vacuum pump house-1 is in progress.								

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Comm)	COD	Syn. (Comm)	COD		
6.	Bokaro TPS ‘A’ Unit-1 (Bokaro Thermal, Distt.Bokaro Jharkhand)	500					1. The LOA (EPC) awarded to BHEL which includes design, engineering, manufacture, supply, erection and commissioning of steam turbines, generators, boilers, associated auxiliaries, Balance of Plant (BoP) and electricals besides civil works. on 16 th June’08. 2. The letter of acceptance & letter of intent were issued on 16 th June’08 and 24 th June’08 respectively. 3. The unit has to be commissioned in 42 months from the date of handing over of the site to BHEL. The site was h/o to BHEL on 16 Sep’08. 4. Dismantling of existing structures in Main Plant area completed by DVC & area handed over to BHEL. 5. Survey & Soil investigation completed by BHEL during Dec’08. 6. Civil, Structural, Boiler, Piping package awarded on Prasad & Company (Project Works) Ltd/ Consortium Partner M/s Power Mech Main Material Handling Contract awarded on Sunny Constructions & Co .Ltd. 7. Diversion of existing 132/33 KV Switchyard being taken up by DVC. 8. Leveling & Grading Civil works started from 20.04.09. 9. Boiler column foundation work under progress. 10. Power House column foundation work under progress 11. Mobilisation of work for structural fabrication at site is in progress by M/s Power Mech. 12. Material received Boiler: 4392 MT Str Steel: 7309 MT ESP : 952 MT Reinforcement Steel: 3257 MT	Awarding of balance packages order as Fuel oil System, C&I, Switchyard & switch gear etc. Dismantling of under existing CW Duct & old switch yard
	Unit-1	500	09/11 11/11	12/11	03/12 04/12	05/12		
	Type of fuel : Coal							
	Main Plant Order to BHEL : 16.06.2008							
	Estimated cost : Rs.231300 lakhs							
	Exp. During 2006-07 : Rs 425.00 Lakhs							
	Cumul. Exp. 2006-07 : Rs 425.00 Lakhs							
	Exp. During 2007-08 : Rs 000.00 Lakhs							
	Cumul. Exp. 2007-08 : Rs 425.18 Lakhs							
	Exp. During 2008-09 : Rs 30054.00 Lakhs							
	Cumul. Exp. 2008-09 : Rs 30479.18 Lakhs							
	Exp. During 2009-10 : Rs 1524.00 Lakhs							
	Cumul. Exp. 2009-10 : Rs 32003.18 Lakhs (July_09)							
	<u>Power Evacuation System:</u>							
	a) 400 KV D/C BTPS’ A’-Koderma Line 220 CKM for the power evacuation expected to complete by December’10.							
	Zero date of the project : 16.06.08.							

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas	
			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 TPS (MPL – a JV Co. of DVC & Tata Power), PO-Nirsa Distt. Dhanbad, Jharkhand Unit-1 Unit-2 Est. cost (Based on A.P. 07-08) Type of fuel 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 33785.00 Lakhs Cumul. Exp.2009-10 : Rs 139218.83 Lakhs(July_09) 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)	1050	525	09/10 10/10	12/10	09/10 10/10	11/10	(i) DVC Board on 24.03.05 ratified the ownership pattern of 26% (DVC) and 74% (TPC) Status: (i) Boiler erection of unit-1 was started on 08.09.2008 against the schedule of 25.08.2008 and 4680 MT material erected so far. Drum lifted on 22.03.09. Boiler hydro test is expected in Dec’09. (ii) TG deck casting was completed on 21.06.2009. Condenser erection work started on 10.08.09 (iii) For Unit-2, Boiler erection started in 21 Jan’09 and 2512 MT material erected so far.. Drum lifted on 03.08.09. Boiler hydro test is expected in May’10. (iv) TG raft casting is completed. Shuttering for columns is in progress. (v) ESP erection work of unit-1& 2 started and 1289 & 922 MT material has been erected so far respectively. (vi) Power House erection work of unit-1 started and 3423 & MT materials have been erected so far In Unit-2 fabrication work is in progress. (vii) Chimney – Shell casting is in progress (168 mtr completed). (viii)Cooling Tower – RCC work for Fan Stack and Ring Beam is in progress for CT1 and RCC work at drift eliminator level for CT2 is in progress. (ix) DM water tank erection work has commenced and dispatch is in progress. (x) RCC work for Main Silos, Intermediate Silo, Dewatering/ Hydrobins etc. is in progress by MBPL for AHS package (xi) Excavation for Track Hopper foundation nearing completion, 935 MT fabrication completed by Tecpro for CHS package (xii) Switch yard- Stringing work is in progress. (xiii)Project has achieved 57.85% progress till date	Land acquisition Completion of Boundary wall. Timely supply of turbines, Generators transformer etc

BROAD STATUS OF THERMAL POWER PROJECTS IN DELHI

[illegible]

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
	Private Sector							
1.	Rithala CCPP, North Delhi Power Ltd., (Delhi) GT-1 GT-2 ST-1	108 35.75 35.7 5 36.50	 06/09 06/09 08/09	 08/09	 12/09 01/10 03/10	 01/10 02/10 04/10	- 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. - Orders for piling, civil works, Mechanical, Electrical & C&I equipment erection have been placed. Contractor mobilized. - Piling in IDCT area completed. Piling in GTG area & in STG area is in progress. - Both ^t GT foundation are ready . ST foundation is under construction. ST & GT Overhauling given to M/s MJB India Gas turbine services (for GT) and M/s –Turbo machinery Engg Ind Ltd. (for ST)	No Critical area at present
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.						

BROAD STATUS OF THERMAL POWER PROJECTS IN HARYANA

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas	
			Original		Actual(A) / As now Expected				
			Syn. (Com.)	COD	Syn. (Com.)	COD			
PROJECTS INCLUDED IN 11 TH PLAN									
A. PROJECT COMMISSIONED									
1.	DCR TPP, Yamunanagar HPGCL Distt. Yamuna nagar	600					Provisional taking over of the Project is affected from 31.08.2009.		
	Unit-1	300	10/07 11/07	11/07	11/07(A) 02/08(A)	04/08(A)	Unit-1 Unit synchronised on 13th Nov'07. Coal firing achieved on 11 th Jan'08. Full load achieved on 3 rd Feb'08.Trial run completed on 14.04.2008 and declared on COD w.e.f 14th April' 08. Unit-2 Unit synchronised on 29th Mar'08. Coal firing achieved on 10.04.08, full load achieved. Trial operation commenced on 10.6.08 and 72 Hrs full load operation achieved on 13.6.08. Trial run completed on 24.06.2008.		
	Unit-2	300	01/08 02/08	02/08	03/08(A) 05/08(A)	06/08 (A)			
	Sanctioning Authority	Govt. of Haryana							
	Est.approved cost	Rs. 240097 lakhs							
	Expenditure till 3/08	Rs. 219951 lakhs							
	Cumm. Exp. Upto 9/08	Rs. 8833 lakhs							
	Type of fuel	Coal							
	Fuel Linkage								
	Date of Turn key contract	29.09.04 on Reliance Energy Ltd. At a cost of Rs.2097 Crs.							
	Order for Main Plant	20.8.05 on M/s Shanghai Electric Corp., China.							
B. PROJECT UNDER CONSTRUCTION									
STATE SECTOR									
1.	Rajiv Gandhi TPP HPGCL, (Distt-Hisar)	1200					a) LOI Placed on M/s Reliance Energy Limited on EPC basis on 29.01.2007. b) Order for BTG package has been placed on M/s Shanghai & Electric. Co in Feb'07. c) <u>Chimney</u> : Shell casting completed to full height. Flue cane erection for U#2 is in progress. d) <u>Switchyard</u> : Circuit Breakers, LA, CVT, isolators & bus post insulators erection work in progress. Control room C&R panel erection completed. e) <u>DM/PT</u> One stream of DM&PT plant commissioned. f) <u>Cooling Tower</u> : shell casting of NDCT#1&2 completed. g) <u>CHP</u> : WT#1&2 civil work completed, mechanical erection is in progress. Civil work for WT#3&4 is in progress. Stacker declaimer 1&2 mechanical erection work is in progress. h) <u>CW pump house</u> : structural erection work is in progress Unit-1: Boiler a) Boiler Str. erection commenced on 4 th Dec'07. A total of 12034 MT boiler materials erected and 29538 nos. pressure joints welded till Aug'08. b) Boiler drum lifted on 10.9.08. c) Boiler Hydro test completed on 28.2.09. d) Boiler light up achieved on 22nd Aug'09 e) Unit expected to be synchronized in Nov'09.	Acquis i-tion of land for railway siding and raw water channel.	
	U-1	600	11/09 12/09	12/09	11/09 12/09	01/10			
	U-2	600	02/10 03/10	03/10	01/10 02/10	03/10			
	Date of Sanction / Investment Decision								
	Sanctioning Authority	Govt. of Haryana							
	Est.approved cost	Rs.433738 Lakhs							
	Exp. during 2006-07	Rs. 19000 lakhs							
	Exp. during 2007-08	Rs. 38997 lakhs							
	Exp. during 2008-09	Rs. 85908 lakhs (1/09)							
	Exp. during 2009-10	Rs. -- lakhs							
	Type of fuel	Coal							
	Fuel Linkage	5.55MTPA From Mahanadi coalfields Ltd.							
	Order main plant	EPC contract on M/s REL on 29.1.07 BTG Package on M/s Shanghai Electric. Co in Feb'07.							
	Power Evacuation System	400 KV D/C Fatehabad-RGTPP line & 400 KV D/C Kirori-RGTPP line. 400 KV LILO Hisar-Monga for start-up.							

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
							<u>TG:</u> a) Turbine erection started on 24.11.08 b) Condenser erection started on 28.11.08 c) Gap measurement between stationary and moving blades of HP, IP, LP-1 & LP-2 turbines are in progress. d) Condenser tubing completed. Leak checking work is in progress. e)Stator placed on foundation, rotor inserted. f) TG Oil flushing is in progress. <u>Unit-2:</u> <u>Boiler</u> a) Boiler erection commenced on 31st Dec'07. A total of 10724 MT boiler material erected and 29490 nos. pressure joints welded till Aug'08. b) Boiler drum lifted on 6.11.08. c) Boiler Hydro test completed on 17.4.09. d) Boiler Light up expected in Nov'09. <u>TG</u> a) Condenser erection is in progress. Tube insertion in shell 2B completed, expansion work is in progress. Tube insertion in shell 2B is in progress. b) Both LP turbine bottom half placed in position..	
	PRIVATE SECTOR							
1.	Jhajjar TPP CLP Power India Ltd. (Distt-Hissar)	1320					a) M/s SEPCOIII, China is Main plant supplier. b) Boiler will be sourced from Harbin boiler co Ltd. c) Turbine & Auxiliaries will be sourced from Dongfang Turbine Corporation Limited, China. d) Generator will be sourced from Dongfang Electric Machinery co Ltd., China.	
	U-1	660	= (12/11)	01/12	- (12/11)	01/12		
	U-2	660	= (06/12)	07/12	- (6/12)	07/12		
	Date of Sanction / Investment Decision							
	Sanctioning Authority		Govt. of Haryana					
	Est.approved cost		Rs.600000 Lakhs					
	Expenditure (upto 3/08)		Nil					
	Cum. Expenditure (upto 1/09)		Rs. --- lakhs					
	Type of fuel		Coal					
	Fuel Linkage							
	Order main plant		M/s SEPCOIII, China.					
	Power Evacuation system							

BROAD STATUS OF THERMAL POWER PROJECTS IN PUNJAB

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
PROJECTS INCLUDED IN 11 TH PLAN								
A.	PROJECT COMMISSIONED		-Nil-					
B.	PROJECT UNDER CONSTRUCTION							
STATE SECTOR								
1.	GHTP ST.II (Lehra Mohabbat) PSEB (Distt. Bathinda) Unit-3*	500					a) M/s TCE are the consultants for the Project. b) <u>Coal handling plant</u> : Order has been placed on M/s Elecon, Gujarat.	
	Unit-3*	250	10/06 11/06	12/06	01/08(A) 02/08(A)	10/08(A)	<u>Unit-3</u> a) Unit synchronised on 3rd Jan'2008 .Coal firing is done on 05.02.08.	
	Unit-4*	250	01/07 02/07	03/07	07/08(A) 02/08(A)	11/09	b) Unit achieved full load on 27th Feb'08. c) Trial run successfully completed on 16.10.08.	
	Date of TEC	15.09.2000						
	Date of Sanction	20.03.2001						
	Sanctioning Authority	Planning Commission.						
	Est. approved cost	Rs.178967 lakhs						
	Latest Est. Cost	Rs.233900 lakhs						
	Cumm. Exp. upto 03/2008	Rs. 193221 lakhs						
	Exp.During 2008-09 (Upto 9/08)	Rs. 29251 lakhs						
	Type of fuel	Coal						
	Fuel Linkage	Pachhwara captive coal block						
	Date of main plant order	31.03.2004 on M/s BHEL (EPC)						
	* Slipped from 10 th Plan							
							<u>Unit-4</u> a) Unit synchronised on 31st Jul'2008 . Coal firing completed on 2 nd Aug'08. Unit achieved full load on 1 st Feb'09.	

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
C. PROJECTS WHERE CONTRUCTION IS YET TO START								
PRIVATE SECTOR								
1.	Goindwal Sahib TPP M/s GVK Power (Goindwal Sahib) Ltd. (Distt. TaranTaran)	540					a) PPA was signed on 17.04.2000. Restated PPA initialed on 06.02.07. b) NOC from MOE&F was obtained on 23.09.99 for 2x281 MW. Revised NOC from MOE&F obtained on 09 th May'08 for 2x300 MW. c) Capacity further revised by the firm from 300 MW to 270 MW. d) Out of the total land 1014 acres required for the project M/s GVK is in possession of 53 acres, balance land acquisition is under progress as per the approval of PSERC and Govt.of Punjab. e) LOI issued on 18.5.98 by Govt. of Punjab has expired, IDBI have indicated that they will consider revalidation of LOI only after significant progress has been made by Govt. of Punjab/PSEB to establish Escrow capacity of PSEB to support the project. f) Orders for BTG package placed on M/s BHEL and for BOP package on M/s Punj Lloyd Ltd. g) Notice to proceed is issued. h) Financial closure is expected to achieve by May'10. i) Engineering work in progress for both BTG package & BOP packages j) Leveling of land and construction of boundary wall commenced on 09.06.09 k) Foundation for start of construction activity laid on 18.10.08. l) Coal requirement will be met from captive coal mine in Tokisud North sub block in Jharkhand. In order to supplement coal supply to Goindwal Sahib TPP GOI, Min. of Coal has allotted SEREGARHA coal block in Jharkhand vide Ir.no. 38011/1/2007-CA-1 of 09.01.08. The SEREGARHA coal block has to be jointly developed by GVK and M/s ARCELLOR MITTAL. m)GVK signed coal transport agreement with Indian railways on 11.12.08. n) Final MOU has been signed between M/s GVK and PSEB on 8.2.2006 for execution of the project. The validity of MOU has been extended upto 02.08.09. The amended and restated PPA signed on 26.05.09 by both GVK & PSEB after the Appellate Tribunal permitting on 19.05.09 for signing the PPA. However, the appeal is listed for hearing on 28.08.09 .Civil work for leveling & grading commenced.	i. Approval of re-drafted PPA by PSERC. ii. Achieving of financial closure.
	Unit-1	270						
	Unit-2	270	11/0		11/09			
	Date of clearance by state Govt.		State Cleared					
	Est. approved cost (revised)		Rs. 298786 Lakhs					
	Revised cost after approval of Appellate Tribunal order dated 08.04.09		Rs.296381 Lakhs					
	Exp. upto 11/2008		Rs. 29207 Lakhs					
	Financial closure		: 12 months from PPA approval by PSERC(Exptd by May'10)					
	Type of fuel		Coal					
	Fuel linkage		From SEREGARHA coal block in Jharkhand					
	Date of main plant order		: Aug'08 on M/s BHEL					
	Power Evacuation		Facility to be completed by PSEB 7 months prior to COD.					

BROAD STATUS OF THERMAL POWER PROJECTS IN RAJASTHAN

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
A.	PROJECT COMMISSIONED							
	STATE SECTOR							
1	Dholpur CCPP RRVUNL Distt. Dholpur	330					GT-1: Synchronized on 29 th Mar'07 and declared on commercial operation on 25.09.07 GT-2: Synchronized on 16 th Jun'07 respectively and declared on commercial operation on 11.10.07 respectively. ST: Synchronized on 27.12.2007 and declared on COD on combined mode on 1st March'08.	
	GT-1	110	02/07		03/07(A) 09/07(A)	09/07(A)		
	GT-2*	110	03/07		06/07(A) 10/07(A)	10/07(A)		
	ST*	110	08/07		12/07(A) 03/08(A)	03/08(A)		
	Date of approval by		State Cleared State Govt.					
	Est. approved cost		Rs.115500 Lakhs					
	Completed cost		Rs. 108837 Lakhs					
	Type of fuel		LNG					
	Fuel Linkage		1.5 mmscmd gas from Panna-Mukta-Tapti basin by ONGC					
	Date of main plant Order		M/s BHEL on 5.6.2004 (BTG) at Rs. 531.30 Crs.					
	* Slipped from 10 th Plan							
2.	Kota TPS St.-V RRVUNL (Distt: Kota)	195					a) M/s Desein Pvt. Ltd. Has been appointed as Consultant. b) All BOP packages (except C&I) have been awarded to M/s Tata Project Ltd. c) Unit synchronized on 30.05.2009. d) Coal firing done on 4 th Aug'09. e) Unit commissioned (full load) on 31 st Aug'09.	
	Unit-7	195	11/08 (2/09)	03/09	05/09(A) 8/09 (A)	9/09		
	Est. approved cost		Rs. 68000 lakhs					
	Revised cost (Approved in 02/07)		Rs. 88000 lakhs					
	Cumm. Exp. Upto 3/2009		Rs. 76998.95 lakhs					
	Exp.During 2009-10 (upto 4/09)		Rs. 13.41 Lakhs					
	Type of fuel		Coal					
	Fuel Linakage		.90 MTPA from SECL					
	Date of main plant Order		BTG contract on BHEL on 30.06.2006 at Rs. 362 Crs.					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
3.	Suratgarh TPP St-IV RRVUNL (Distt. Sriganganagar)	250					a) M/s DCPL have been appointed as Consultant. b) All BOP packages (except C&I) have been awarded to M/s Indure Ltd. c) <u>DM Plant</u> , PT Plant & FO System: Existing facility is utilized. d) Unit Synchronised on 31.3.09. e) Coal firing done on 21 st Aug'09. f) Unit commissioned (full load) on 29th Aug'09.	
	U -6	250	09/08 (11/08)	12/08	3/09(A) 8/09(A)	09/09		
	Est. approved cost	Rs. 75000 lakhs						
	Revised cost	Rs. 1,00,000 lakhs						
	Exp. Upto 3/2008	Rs. 60044 lakhs						
	Exp. During 2008-09 (upto 9/08)	Rs. 16468 Lakhs						
	Type of fuel	Coal						
	Fuel Linkage	1.16 MTPA from SECL						
	Date of main plant Order	BTG contract on BHEL on 15.06.2006 at Rs. 402 Crs.						
	Power Evacuation System	Existing system						
B.	PROJECT UNDER CONSTRUCTION							
	STATE SECTOR							
1.	Giral Lignite TPS Stage-II, RRVUNL Distt. Barmer	125					a) Unit synchronized on 26.12.08. b) Lignite firing completed on 10 th Feb'09. Unit is running at 80-90 MW with 400 PPM. BHEL and RRVUNL gradually increased a load of 125 M on 28.6.09. c) To reduce SOx level from 3800 ppm to 300 ppm at full load of 125 MW, efforts were continued for increasing lime dosing as per norms fixed by BHEL.	Lignite handling system Excessive emission of Sox. Level.
	U-2	125	6/08 (8/08)	09/08	12/08(A) (09/09)	09/09		
	Date of approval by State Govt.	05.01.2006						
	Original Est. cost	Rs. 61800 Lakhs						
	Latest Est. Cost	Rs. 65000 lakhs						
	Exp. Upto 3/2008	Rs. 55537 Lakhs						
	Exp. During 2008-09(upto 9/08)	Rs. 7058 Lakhs						
	Type of fuel	Lignite						
	Fuel Linkage							
	Date of main plant order	30.11.2005 on BHEL (BTG) at Rs. 531.30 Crs.						
	Power Evacuation system	220 KV Giral TPS- Barmer-Dhorimanna- Bhinmal S/C, LILO of Mada						
3.	Chhabra TPP RRVUNL (Distt. Baran)	500					a) M/s Tata Consultancy Engineers have been appointed as Consultant. b) <u>CHP</u> : Order has been awarded on M/s Techpro System Ltd., Chennai on 1.11.06. c) <u>DM Plant</u> : Order has been awarded on M/s Thermax, Pune on 26.04.07. d) <u>Cooling Tower</u> : Order has been awarded to M/s PCT. 8 cells of Induced Draft cooling tower has been completed. e) <u>AHP</u> : Bottom ash hopper is in progress. Dry ash collection system is nearing completion. Unit-1 a) Unit synchronised on 16.4.09 b) Coal firing is expected in Oct'09 and Unit expected to be commissioned in Nov'09. Unit-2 a) Boiler erection started on 21.04.07. b) Boiler drum lifted on 26 th Nov'07. c) Boiler hydraulic test conducted on 21st Apr'09 and light up is expected in Nov'09. d) TG erection is in progress.	-Readiness of Raw water system, CHP & AHP. Triper along with conveyer, bunker. Erection of the gas ducting from APH to chimney. TG erection
	U-1	250	09/08 (11/08)	12/08	4/09(A) (11/09)	12/09		
	U-2	250	12/08 (2/09)	03/09	02/10 (03/10)	05/10		
	Date of approval by	State Cleared						
	Original Est. cost	Rs. 175000 lakhs						
	Latest Est. cost	Rs. 235000 lakhs						
	Exp. Upto 3/2008	Rs. 148321 lakhs						
	Exp. During 2008-09(upto 09/08)	Rs. 24483 Lakhs						
	Type of fuel	Coal						
	Fuel Linkage	2.31 MTPA from SECL						
	Date of main plant Order:	03.03. 2006 on BHEL (BTG) at Rs. 780 Crs						
	Power evacuation system	400KV Dahra-Bhilwara S/C, Chhabra-Hinduan S/C, Chhabra						

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
5.	Kalisindh TPP RRVUNL (Distt. Jhalawar)	1200					LOA Placed on M/s BGR on 09.07.2008 to execute the project on EPC basis. Other details are awaited.	
	U -1	600	<u>10/11</u> (-)	-	<u>10/11</u> (4/12)	4/12		
	U-2	600	<u>01/12</u> (-)	-	<u>01/12</u> (6/12)	7/12		
	Org. Est. cost		Rs. 460000 lakhs					
	Latest Est. cost		Rs. 460000 lakhs					
	Exp. Upto 3/2008		Rs. 1073 lakhs					
	Exp. During 2008-09 (upto 9/08)		Rs. 23188 Lakhs					
	Type of fuel		Coal					
	Fuel Linkage							
	Date of main plant Order Power evacuation system		M/s BGR on 09.07.2008 (EPC)					
6.	Chhabra TPP Extn. RRVUNL (Distt. Baran)	500					a) LOA Placed on M/s BHEL. An advance of Rs.7421.25 lacs paid to BHEL. b) Order for all BOPs except (C&I), has been placed on M/s Indure. c) C&I order has been placed on M/s IL Kota. d) Order for Cooling Tower placed on M/s Paharpur Cooling Tower. e) Order for chimney also placed. f) Order for Switchyard equipment, 6.6kV switch gear, Generator Transformer, Station Transformer etc. placed on M/s ABB. g) Excavation for boiler foundation completed. PCC work is in progress. h) Order for main plant civil works for both units placed.	
	U-3	250	<u>09/11</u> (12/11)	-	<u>01/12</u> 04/12	05/12		
	U-4	250	<u>10/11</u> (3/12)	-	<u>04/12</u> 07/12	08/12		
	Org. Est. cost		Rs. 220000 lakhs					
	Latest Est. cost		Rs. 220000 lakhs					
	Exp. Upto 3/2008		Rs. 00 lakhs					
	Exp. During 2008-09 (upto 9/08)		Rs. 7421 Lakhs					
	Type of fuel		Coal					
	Fuel linkage							
	Date of main plant Order Power evacuation system		M/s BHEL on 20.08.2008					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
C.	Private Sector							
1	Jallipa Kapurdi TPP Raj West power ltd. (Distt. Barmer)	1080					BOPs a) 6.6kV/440V two dry type transformers and turbine MCC charged b) Switchyard back charging completed. c) Lignite handling screen house fabrication completed and erection started. d) Civil works for cooling tower for Unit-1&2 completed. e) Out of 180 km, about 113 Kms of raw water pipeline laid. Unit-1 a) Unit synchronized on 17.08.09. b) Unit commissioned in Oct 09. Unit-2 a) Boiler drum lifted, Pressure part erection 86% completed. Water wall erection is in progress. Boiler Hydro test is expected in mid Oct'09. b) ESP(99%) completed. c) Condenser erection is in progress, 54% completetd. Unit-3 a) Boiler drum lifted. Boiler structure 84% completed. Water wall erection is in progress. b) Common chimney for Unit- 3&4 shell casting completed. c) ESP erection 92% completed. Collecting plate alignment is in progress. Unit-4 a) Drum lifting completed. Boiler structure erection 85% completed. b) APH erection 94% completed. c) ESP erection 89% completed. Collecting plate alignment is in progress. Unit-5 a) Boiler drum lifted, boiler structure work 85% completed. APH erection 87% completed. b) Common chimney for Unit- 5&6 shell casting completed. c) ESP structure work 84% completed. Unit-6 a) Boiler structure work 85% completed. b) ESP structure work 81% completed. c) Chimney for Unit 5&6 completed. Unit-7&8 a) Boiler structure work for Unit 7&8 is 9% &8% completed respectively. b) Esp foundation work completed. c) Common chimney for Unit-7&8 completed. d) Ash cooler, startup burners, ignition & fuel oil system shipped from China.	-Acquisition of land for mining project - Laying of balance raw water pipeline. - Tapering coal linkage for blending with imported coal.
U -1	135	09/09 (10/09)	10/09	08/09(A) 10/09(A)	10/09			
U-2	135	10/09 (11/09)	11/09	12/09 (02/10)	02/10			
U-3	135	12/09 (01/10)	01/10	02/10 (03/10)	04/10			
U-4	135	02/10 (03/10)	03/10	04/10 (05/10)	06/10			
U-5	135	05/10 (07/10)	07/10	06/10 (07/10)	08/10			
U-6	135	07/10 (08/10)	08/10	08/10 (09/10)	10/10			
U-7	135	08/10 (09/10)	09/10	10/10 (11/10)	12/10			
U-8	135	11/10 (12/10)	12/10	12/10 (01/11)	02/11			
Est. approved cost		Rs. 507500 lakhs						
Revised cost		Rs. 507500 lakhs						
Exp. Upto 3/2008		Rs. 00 lakhs						
Exp. During 2008-09 (upto 6/08)		Rs. 34200 Lakhs						
Type of fuel		Lignite						
Fuel Linkage		Captive coal mines from Jallipa & Kapurdi 40,000 MT coal fron Indonesia.						
Date of main plant Order		3/07 on M/s Dongfang						
Power evacuation system		400 KV Jhodpur - 1nos. and Barmer – 2 nos. 200KV, Dohrimanna – 2 nos. & Barmer – 1nos.						

BROAD STATUS OF THERMAL POWER PROJECTS IN UTTAR PRADESH

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) / As now Expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
PROJECTS INCLUDED IN 11 TH PLAN								
A.	PROJECT COMMISSIONED -Nil-							
B.	PROJECT UNDER CONSTRUCTION							
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. b) <u>Chimney</u> : (M/s NBCC) Shell casting in progress. Flue can fabrication nearly 65% completed. c) <u>Switchyard</u> :(M/s Areva T&D India ltd) d) Excavation in CW system of inlet/outlet water channel area is in progress. Raft completed in CW pump house area. e) <u>IDCT</u> : Super structure work of IDCT is in progress. f) Civil work of Fuel oil handling system is in progress.	- Shortage of manpower. - Supply of LP Rotor by BHEL -Completion of Chimney & Avaibility of Start up power.
	Unit-5	250	04/09 06/09	07/09	02/10 05/10	06/10		
	Unit-6	250	08/09 10/09	11/09	04/10 07/10	08/10		
	Date of approval by State Govt.							
	Est. approved cost		Rs. 190000 lakhs					
	Latest Est. Cost		Rs. 201500 lakhs					
	Exp. upto 2006-07		Rs.22279 lakhs					
	Exp. upto 2007-08		Rs.37256 lakhs					
	Exp. upto 2008-09		Rs.59566 lakhs					
	Exp. upto 2009-10		Rs.3194 lakhs (May'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							

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			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. - UPRVUNL informed that on 19th May'09 a major disaster happened at the site i.e. complete main plant building structure main column (A1to A9 in A row),(B1 to B9 in B row), roof truss(2to9), Crane Girder 2to9 of A row & 1to9 of B row of Unit-8 being erected by the sub-contractor of M/s BHEL collapsed. After this major mishap all the damaged columns are required to be fabricated and erected which may cause delay in readiness of TG hall . - Unit-9 will be commissioned prior to unit-8	Readiness of TG hall after collapse of main columns in A & B rows due to disaster.
Unit-8	250	08/09 09/09	10/09	09/10 11/10	08/10			
Unit-9	250	12/09 01/10	02/10	07/10 09/10	12/10			
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 (Upto 08/08)		Rs.18183 lakhs						
Type of fuel		Coal						
Fuel linkage		1.943 MTPA of coal allotted by MOC from CCL vide MOC Ir. no. 23011/ 87/ 2005/ CPD , dated 2.8.06 and CCL Ir.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.						
BOPs: - Order for Chimney has been placed on M/s NBCC on 1st Jun'07. Raft reinforcement & PCC is in progress . - Structural steel fabrication & erection is in progress. - PCC work of wagon Tippler-1&2 in progress. Raft reinforcement for TP-1 is in progress.. - AHP contractor yet to mobilize to start works. - DM tank foundation completed. - Excavation in Cooling Tower area in progress. Unit-8: - Boiler erection commenced on 25thAug'08. 4589 MT material erected till 05/09. 2835 MT ESP material erected . - Boiler drum lifting completed on 25/01/09. - Boiler hydraulic test is expected by October, 09 - ESP: Collecting electrodes erection in pass-A completed Hoppers erection is in progress Electrode supporting structure erection in Pass-B in progress. - FD fan & ID fans foundation is in progress. - TG deck RCC columns & Beams casting in progress. - Condenser erection expected to start after completion of erection of damaged columns of AB row Unit-9: - Boiler erection commenced on 20.11.08 and is in progress.790 MT boiler material and 255 MT ESP material erected. - Boiler drum lifting completed on 31/03/09. - Boiler hydraulic test is expected by Nov'09. - Boiler light up is expected in April, 2009. - TG deck construction in progress and TG erection is likely to commence in December, 2009. - Commissioning is expected in 09/2010								

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			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.	-Civil erection agency to be finalized. -Placement of orders for BOPs
Unit-1	500	02/11 03/11	04/11	*	*	b) MOEF clearance achieved on 18.9.07. c) Financial Closure achieved on 23.11.07.		
Unit-2	500	05/11 06/11	07/11	*	*	d) 15% advance issued to BHEL on 13.1.08.		
Date of approval by State Govt.						e) Zero date of the project is 13.01.2008.		
Est. approved cost						f) NIT Water Treatment Plant issued.		
Latest Est. Cost		Rs. 535879 lakhs				g) Order for CHP awarded o L&T		
Exp. upto 2007-08		Rs.46837 lakhs				h) 16000MT Structural Steel has been received at site.		
Exp. upto 2008-09		Rs.7562 lakhs				i) Leveling & grading work of BTG area is in progress but agency for driving load piling is yet to be finalised		
Exp. upto 2009-10		Rs.2753.4 lakhs (June'09)				j) A total of 1513MT boiler material reached at site till Apr, 09.		
Type of fuel		Coal				k) Boiler erection expected to start after January, 2010		
Fuel Linkage						l) As such project is not expected during 11 th plan.		
Date of main plant order		BHEL. (BTG) on 24.10.07 Project Zero date: 13.01.08						
Power Evacuation system								
* Milestones to be finalized after the commencement of boiler erection.								

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) / As now Expected			
			Syn. Comm .	COD	Syn. Comm .	COD		
	PRIVATE SECTOR							
1.	Rosa TPP (Ph.-I) Rosa Power Supply Co. Ltd. (Reliance Energy Ltd.) (Distt. Shahjahanpur)	600					a) UPERC accorded its approval on the project cost and PPA on 1 st Dec'06 and 8 th Dec'06 respectively. b) PPA signed between RPSCL and UPPCL on 12 th Nov.'06. c) M/s Shanghai Electric Corp., China has been selected as EPC contractor through competitive bidding. Notice to proceed (NTP) has been issued on 18 th June 2007. d) Structural steel erection is in progress. e) Civil works of CW System in progress. Fabrication & erection of CW piping is in progress. CW pumps received. g) Chimney flue can erection is in progress. Platform erection completed. h) All 12 cells of Cooling Tower-1 & 6 cells of Cooling Tower-2 cast. i) Track hopper raft construction in CHP area is in progress. Erection of structure from galleries, crusher house, trussels is in progress. j) Clarifloculator in PT plant & DM Vessel foundation construction is in progress. k) Foundations & civil works and Main storage plant of Fuel oil handling system is in progress. . m) Switchyard control room building finishing in progress. Structure erection commenced for switchyard. Unit-1: - Boiler & ESP erection commenced on 20th Feb'08 & 10th Dec'08 respectively. - Boiler drum lifting completed on 01.10.08. - Boiler hydraulic test completed on 28th Mar'09. Insulation work in progress. - Boiler Light completed on 06.08.09. - Erection of mills , flue duct , MS & HRH piping is in progress. - Condenser tube insertion completed. TG erection commenced on 20.02.09. - TG box-up completed in Sept, 09 - Lube oil flushing in progress - Commissioning expected in December, 2009. Unit-2: - Boiler erection has commenced on 16th June'08 and is in progress. - Boiler drum lifted on 15.12.08. - Boiler hydraulic test completed on 25.05.09 - Boiler light up expected in 11/09 - Condenser Erection started on 15.06.09 & TG Erection on 08.06.09	Signing of FSA for coal supply
	Unit-1	300	<u>12/09</u> <u>02/10</u>	03/10	<u>10/09</u> <u>12/09</u>	01/10		
	Unit-2	300	<u>03/10</u> <u>05/10</u>	06/10	<u>01/10</u> <u>03/10</u>	04/10		
	Date of TEC		19.09.97					
	Date of approval by State Govt.							
	Est. approved cost		Rs. 264193 lakhs					
	Latest Est. Cost		Rs. 264193 lakhs					
	Cum. Exp. upto 03/08		Rs. 33040 lakhs					
	Cum expnd. upto 03/09		Rs. 127000 lakhs.					
	Expnd. during 2009-10 (upto 05/09)		Rs. 20000 lakhs.					
	Financial Closure		Achieved on 25.06.07 (IDBI)					
	Type of fuel		Coal					
	Fuel linkage		Ashoka mines, North Karanpura block of CCL in Jharkhand					
	Date of order		6.3.07 on M/s Shanghai Electric Corp China (EPC) & BTG					
	Power Evacuation		Line in Line out by UPPCL for start up power and evacuation from the existing double circuit Rosa –Hardoi 220 kV line.					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) / As now Expected			
			Syn. Comm .	COD	Syn. Comm .	COD		
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 to start in October, 2009. - CEA requested to finalise major mile stones for achieving commissioning as agreed.	Power evacuation system
	Unit-3	300	<u>01/11</u> 03/11	04/11	<u>*/</u> 12/11	03/12		
	Unit-4	300	<u>05/11</u> 06/11	07/11	<u>*/</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 (upto 12/08)		Rs.29500 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					
3.	Anpara 'C'TPS UPRVUNL/ Lanco Anpara Power Pvt.Ltd. (Dist: Sonebhadra)	1200					a) Letter of acceptance placed on M/s Lanco Anpara Power Pvt .Ltd. by UPRVUNL on 27.09.2006 for 2x500 MW. b) The project has achieved financial closure on 24th Nov'07 with REC. c) MOE&F clearance obtained on 26.11.07. d) EPC contract for 2x600 MW was awarded on 15th Nov'07 to M/s Lanco Infratech Ltd.(LIL). e) <u>Switchyard</u>: Consultancy contracts awarded on RITES for civil works of Switchyard and MGR system. Equipment erection work is in progress. f) <u>Chimney</u>: RCC shell casting completed upto 122 mtrs till 6/09. g) <u>CHP</u>: Track hopper RCC work is in progress. TP# 2 & 3 RCC is in progress. TP#1 structure fabrication is in progress. h) <u>AHP</u>: AW and Ash slurry pump house, RCC work is in progress. i) <u>ID Cooling Tower</u>: Column casting of 1B, 2A & 2B is in progress. Tower 1A deck slab is in progress. j) <u>CW Pump house</u>: RCC & CW duct erection work is in progress. k) A total of 21803 MT of structural steel received at site till 6/09.	Completion of 765 kV line from Anpara to Unnao by UPPCL
	Unit-1	600	<u>11/10</u> (02/11)	03/11	<u>11/10</u> (02/11)	05/11		
	Unit-2	600	<u>03/11</u> (06/11)	07/11	<u>03/11</u> (04/11)	07/11		
	Date of TEC		Not Required					
	Date of approval by State Govt.		NA					
	Est. approved cost		Rs. 411480 lakhs					
	Latest Est. Cost							
	Exp. during 2008-09 (Upto 6/09)		Rs. 165500 lakhs.					
	Financial Closure		Achieved on 24th Nov'07 with REC.					
	Type of fuel		Coal					
	Coal Linkage		Yet to be finalized with CIL/NCL					
	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.					
	Zero date		23rd Nov'07.				Unit-1	
	Power Evacuation system		400KV & 765 KV Transmission system				a) Boiler erection started on 20th Dec.08. b) Boiler drum lifing completed on 18.08.09.. c) Ceiling girder erection completed. d) TG: Column casting completed. Deck reinforcement is in progress.	

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) / As now Expected			
			<u>Syn.</u> (Com.)	COD	<u>Syn.</u> (Com.)	COD		
	Anpara ‘C’TPS Contd..						<u>Unit-2</u> 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) TG: Raft casting completed. Column casting is in progress.	

BROAD STATUS OF THERMAL POWER PROJECTS IN CHHATTISGARH

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm.	COD		
PROJECTS INCLUDED IN 11 TH PLAN								
I.	PROJECTS COMMISSIONED - Nil -							
II.	PROJECTS UNDER CONSTRUCTION							
	STATE SECTOR							
1.	Korba East TPP ST-V (Dist: korba) , CSEB	500					a) Zero date was fixed as 28.04.04. b) M/s REC has issued a comfort letter for Rs.1431 Crs. loan amount to CSEB of the project cost. c) Advance has been released to M/s BHEL in May'04. Unit-1: Unit synchronized on 30.3.07. Full load achieved on 20.10.07. COD achieved in 12/07. Unit-2: Unit synchronized on 11.12.07. COD achieved on 27.03.08	
	Unit-1	250	11/06	02/07	03/07(A)	12/07(A)		
	Unit-2 *	250	03/07	06/07	12/07(A)	03/08(A)		
	Date of TEC	: Not Required						
	Date of App. by State Govt.	: N.A.						
	Est. cost	: Rs.184536 Lakhs.						
	Exp. Upto 03/07	: Rs.13700t Lakhs.						
	Budget Estimate 07-08	: N.A.						
	Exp. During 07-08 (Upto 12/07)	: N.A.						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 11.08.2003 on M/s BHEL (EPC)						
2.	Korba West Extn St-III TPS, (Dist: Korba)	500					a) Approval of State Govt. is available. b) Coal linkage & NAAI clearance is available. c) CWC clearance obtained on 8.4.2004 d) MOE&F clearance obtained on 23.6.05 for 2x300 MW e) Revised application for 275 M height of chimney applied to AAI f) LOI issued for other BOPs through ICB route on M/s Techpro on 25.08.09. g) LOI for BTG area civil works placed on M/s Bridge & Roof on 25.08.09. h) Design Engineering under progress. i) Project procedure document , L1 schedule & Project Lay out finalized j) Material supply started. About 4800MT/5200 MT of boiler drum material received at site.	Issue of drawings for construction of foundations in Boiler, ESP and TG areas.
	Unit-5	500	02/12 05/12	06/12	02/12 05/12	06/12		
	Dt of App. by State Govt.	: 13.09.02 for 2x250 MW						
	Est. approved cost	: Rs. 230934 Lakhs						
	Exp. Upto 03/08	: 1802.6 lakha						
	Exp. During 08-09 (Upto 09/08)	: 14134.8 Lakhs						
	Total Cumm. Exp. (up to 06/09	: Rs 15937.4 lakhs						
	Type of fuel	: Coal						
	Financial Closure	: 31.03.08 (PFC)						
	Zero date	: 11.04.08						
	Type of fuel	: COAL						
	Date of Main Plant Order	BTG on BHEL on 27.03.08 LOA issued on 11.04.08 on BHEL						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas	
			Original		Actual(A) / As now Expected				
			Syn. Comm	COD	Syn. Comm.	COD			
3.	Marwa TPS (Dist: JanjgirChampa, CG) Chattisgarh)	1000					1) Main plant order of Rs. 1942 crores placed on BHEL on 27.03.08 & order issued on 11.04.08. Civil works associated in BTG package issued on BHEL on 31.12.08. 2) MOE&F clearance obtained on 05.02.08. 3) Completion of the project is 45 months (09/12) for unit-1 and 47 months (11/12) for unit-2. 4) LOI for BTG area civil works placed on M/s Bridge & Roof on 25.08.09. 5) NOC from AAI for new Chimney obtained on 12.05.09. 6) LOI issued for other BOPs through ICB route on M/s BGR on 25.08.09. Supply of material started by BHEL. About 24966.63/41612 MT boiler material received at site and 1111.63 MT of ESP material received at site.	1) LOA received for taper linkage from SECL for 4.62 mtpa on 12.09.08 . Coal linkage should be revised to minimum 5.00 mtpa. Request pending with MoP/ MoC for enhance ment of Coal linkage. 2) Site approach roads and strengthening of existing roads 3) MOP has been requested to grant of Mega Power Project Status.	
	Unit-1	500	05/12 09/12	09/12	05/12 09/12	09/12			
	Unit-2	500	07/12 11/12	11/12	07/12 11/12	11/12			
	Dt of App. by State Govt		: 18.01.08						
	Est. approved cost (11/08)		: Rs. 473500 lakhs						
	Latest cost (02/09)		: Rs. 549938 lakhs						
	Exp. Upto 03/08		: Rs. 27675 lakhs						
	Exp. During 08-09		: Rs 9697 lakhs						
	Exp. During 09-10 (up to 08/09)		: Rs. 14374 lakhs						
	Total Cumm. Exp. (up to 08/09)		Rs 51746 lakhs						
	Type of fuel		: Coal						
	Financial Closure		: 31.03.08						
	Zero date								
Date of Main Plant Order		: BTG on BHEL on 11.04.08 (supply, erection & commissioning of BTG and Electrical & C&I)							

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
PRIVATE SECTOR								
1.	OP Jindal STPP Ph-I&II (Dist: Raigarh) M/s Jindal Power Ltd. Unit-1 * } Ph.I Unit-2 } Unit-3 } Ph.II Unit-4 }	1000					a) GOI has accorded In-Principle Mega Power Project status to the project. b) Two captive coal blocks from nearby Gare coal fields were allotted by Ministry of Coal. c) Advance payment released to BHEL for PH-I on 15/10/04 and for PH-II on 1/11/04. Unit-1: Synchronized on 02.09.07. Coal firing started on 30.11.07 and COD achieved on 08.12.07. Unit-2 Unit Synchronized on 06/03/08 Coal Firing started. On 17.04.08 and COD achieved on 15.06.08. Unit-3: Synchronized on 10.02.08. Coal firing started on 14/03/08, 08 and COD achieved on 16.04.08. Unit-4 Synchronized on 17.06.08. Coal firing achieved on 13.07.08 and COD achieved on 05.09.08	
Date of TEC		: 17.11.97						
Date of Approval by State Govt.		: -						
Est. approved cost		: Rs.450000 lakhs						
Exp. upto 03/06		: Rs 87740 lakhs						
Exp. During 06-07		: Rs 174209.318 lakhs						
Exp. During 07-08		:Rs 138991.236 lakhs						
Exp. During 08-09 (April.,08)		: Rs.14006.39 Lakhs						
Cumm. Exp. (up to 04/08)		Rs. 414947.19 laks						
Financial Closure		: Achieved						
Type of fuel		: COAL						
Date of Main Plant Order		: 29.06.04 on M/s BHEL (BTG)						
2.	Lanco Amarkantak Mega TPS (Pathadi) (Distt. Korba) M/s LAP Pvt. Ltd. Phase-I Unit-1 Unit-2	600					a) PPA signed with PTC in 5/05&19/05 for unit-1&2 resp. b) BTG supplier for the project is M/s Don fang Elect. Corporation, China. c) CHP- AHP & Railway siding are nearing completion.. Unit-1 a) Unit synchronized on 01.05.09. & coal fired on 03.05.09. Unit attains full load on 04.06.09. COD expected in 07/09. Unit-2 a) Boiler erection commenced in 08/07. b) Boiler drum lifted on 20.12.07. c) HT completed on 17.07.09. d) BLU expected in 11/09 e) TG erection started on 20.05.09. e) Box-up expected in 10/9	2) For unit -2 : Executi on of FSA with SECL is required .
Unit-1		300	06/08 08/08	09/08	01.05.09 04.06.09	07/09		
Unit-2		300	07/09 08/09	09/09	12/09 01/10	01/10		
Date of TEC		: Not Required						
Date of Appr. State Govt.		: 7.2.04						
Est. approved cost		: Rs.263197 lakhs						
Exp. During 2005-06		: Rs 20500 lakhs						
Exp. During 2006-07		: Rs. 68500 lakhs						
Exp. During 2007-08		: Es.81631 lakhs						
Exp. During 2008-09		: Rs. 30790 lakhs						
Exp. During 2009-10 (up to 08/09)		: Rs.4237 lakhs						
Cum.Exp. up to 08/09		: Rs 230870 lakhs						
Financial Closure		: Unit-1-Achieved on 20.9.05 : Unit-2-Achieved on 15.9.06						
Zero date		: Unit-1:10/05, NTP issued on 01.10.05 : Unit-2: 08/06, NTP issued on 01.08.06						
Type of fuel		: COAL						
Date of Main Plant Order		Unit-1: 25.5. 05 on Zelan Malaysia, (EPC) : Unit-2: 19. 4. 06 on Zelan Malaysia, (EPC)						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
	PRIVATE SECTOR							
3	Avantha Bhandar TPS (Distt. Raigarh) M/s Korba west Power company Ltd.	600					a) LOA for BTG, Electrical and C&I has issued on 28.04.09 on BHEL. b) All the BOPs are under awarding process. c) PPA under discussion stage d) LOA received from SECL; FSA is to be signed e) 375 acres already acquired. Land possession is under progress for 100 acres Govt. land and 175 acres Pvt. Land. f) Water allocation completed. g) MOEF Clearance: Public hearing is scheduled for 03.10.09. h) Civil Aviation clearance completed.	Recommendation to MOC through MOP for change in unit size from 2x300 MW to 1x600 MW.
	Unit-1	600	07/12 07/12	10/12	01/12 02/12	03/12		
	Date of TEC	: Not Required						
	Date of Approval by State Govt.	:						
	Est. approved cost	: Rs.287200 lakhs						
	Exp. During 09-10 (07/09)	:Rs.19800 lakhs						
	Cumm. Exp. (up to 07/09)	Rs 19800 lakhs						
	Financial Closure	: Loan Agreement executed in June,09						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 28.04.09 on M/s BHEL (BTG+Ele+C&I)						
4	Chakabura TPS (Kasaipalli Vill., Distt. Korba) M/s Aryan Coal Benefications Pvt. Ltd	270					a) LOA has been issued in November,2008 on M/s Cethar Vessels Ltd , Thiruchirapalli on EPC basis for CFBC Boiler. . b) Acquisition of land is in progress. c) Allocation of coal is still awaited. c) PPA was signed with GUVNL on 26.02.07. d) Allocation of coal is still awaited. e) Water allocation completed. f) Environment clearance issued by the SEIAA on 22.12.08. g) Construction works commenced at site. h) Foundations for Boiler & ESP of unit-1 completed. i) Foundations for Cooling tower & Chimney completed. j) Foundations for Boiler , ESP and TG building of unit-2 is in progress.	
	Unit-1	135	07/10 10/10	10/10	07/10 10/10	10/10		
	Unit-2	135	12/10 01/11	01/11	12/10 01/11	01/11		
	Date of TEC	: Not Required						
	Date of Approval by State Govt.	: 14.07.08						
	Est. approved cost	: Rs.						
	Exp. During 09-10 (07/09)	:Rs.						
	Cumm. Exp. (up to 07/09)	Rs						
	Financial Closure	: 25.08.2009						
	Zero date	: 21.01.2009						
	Type of fuel	: Washery Rejects based COAL						
	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.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
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) Detailed Engineering 100% completed. Order finalisation 100% completed. e) 20/24 shipments dispatched from china and 17 shipments received at site and 2 shipments on transit from port to site. f) 3 units of boiler drums received at site and 2 units Generator Rotor & Stator received at site g) One unit Turbine rotor HIP/IP received at site and Main transformers for all 4 units received at site. h) Chimney for units 1 &2 , 100% civil works completed, 55% fabrication completed and 18% erection completed. i) Chimney for unit-3 &4, Civil works -79% completed and 37% fabrication completed. j) CHP: Track hopper: 82% civil works & 62% fabrication works completed and Other works 50% civil & 37% of fabrication 18% erection works completed. k) Main power house Civil works for all 4 units 100% completed and structural work for 2 units 100% completed. <u>Unit-2</u> : Drum lifted on 09.05.09. HT expected in 10/09. <u>Unit:3</u> : Drum lifted on 31.05.09. HT expected in 11/09. <u>Unit:1</u> : Drum lifted on 01.10.09. HT expected in 02/10 <u>Unit-4</u> : Drum lifting expected in 11/09.	
	Unit-1	300	09//10 12/10	12/10	05//10 08/10	08/10		
	Unit-2	300	03//10 06/10	06/10	01//10 04/11	04/10		
	Unit-3	300	06//10 09/10	09/10	02//10 05/11	05/10		
	Unit-4	300	12//10 03/11	03/11	08//10 11/10	11/10		
	Date of TEC		: Not Required					
	Date of Approval by State Govt.		:					
	Est. approved cost		: Rs.					
	Exp. During 09-10 (07/09)		:Rs.					
	Cumm. Exp. (up to 07/09)		Rs					
	Financial Closure		:					
	Zero date		: 01.11.07					
	Type of fuel		: COAL					
	Date of Main Plant Order		:					
	Power Evacuation		:					

BROAD STATUS OF THERMAL POWER PROJECTS IN GUJARAT

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com.)	COD		
PROJECTS INCLUDED IN 11 TH PLAN								
I. PROJECTS COMMISSIONED								
STATE SECTOR								
1.	Dhuvaran CCPP Extn. * (Distt. Anand) GSECL	112.45					<u>OPEN CYCLE</u> GT - Synchronized on 17.03.06 GT – Taken on full load 30.03.06. <u>COMBINED CYCLE</u> Synchronization in combined cycle achieved on 13.08.07. COD achieved on 01.09.07.	
	GT	72	12/05		3/06 (A)			
	ST	40	01/06		08/07(A)			
	Date of TEC	: Not Required						
	Date of Approval by State Govt.	: 16.10.03 by Govt. of Gujarat						
	Org. Est.Proj.Cost	: Rs.35100 Lakhs						
	Latest cost of Proj.	: Rs. 36800lakhs						
	Exp. upto 03/07	: Rs.33958 Lakhs						
	Exp. During 07-08 (Up to 01/08)	: 842 Lakhs						
	Financial Closure	: Achieved						
	Type of fuel	:N.Gas(Supply from M/sGSPL)						
	Date of Main Plant Order	: 24.3.04 on M/s BHEL (EPC)						
	Zero date of the project	: 25.04.04						
	* Slipped from 10 TH Plan							
2.	Kutch Lignite Extn. (Distt. Kutch) GSECL	75					Unit Synchronized on oil on 22.10.08 at 04.12 hrs and attained load upto 10MW. Lignite firing achieved on 28.12.08. Full load operation was expected by 20.01.09 but due to expn.bellow blast m/c could not be loaded beyond 35MW. Expn.Bellows were re-designed. After that, there was a problem in lignite crusher (not giving -15mm size). Replacement of expn. bellows and secondary air fan shaft completed in 03/09. Lignite crusher sizing problem again created problem. M/s BHEL was not allowing to run the unit until lignite sizing problem attended fully. Lignite sizing problem has been resolved. Unit again synchronized on 20.05.09. As on 22.05.09 unit was running at a load of 45MW. There was problem in achieving BG due to JOP failure. Later on the bush of coupling failed. There was problem in feeder also. Full load achieved on 01.10.09. COD is expected in10/09.	
	Uni-4*	75	07/06 (09/06)	10/06	10/08(A) 10/09(A)	10/09		
	Date of TEC	: 6.03.03						
	Date of App. by State Govt.	: N.A.						
	Org.Est.Proj.Cost	: Rs. 43000 Lakhs.						
	Latest cost.	: Rs. 49000 Lakhs						
	Exp. Upto 03/08	: Rs. 45403 Lakhs						
	Exp. During 08-09 (Upto 03/09)	: Rs. 3039Lakhs						
	Exp.during 09-10 (Upto 06/09)	: Rs. 644 Lakhs						
	Cumulative Expenditure (Upto 06.09)	: Rs. 49102 Lakhs						
	Financial Closure	: 29.03.04						
	Type of fuel	: Lignite						
	Fuel Linkage	:GMDCL Lignite Mines (Panandharo)						
	Date of Main Plant Order	: 15.1.04 on M/s BHEL (BTG)						
	Zero Date of the Project	: 29.03.04 (on payment of 15% advance)						
	Power Evacuation System: Evacuating in the existing lines.							

* Slipped from 10TH Plan

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com.)	COD		
II. PROJECTS UNDER CONSTRUCTION								
	STATE SECTOR							
1.	Surat Lignite TPP Exp. Ph.II (Mangrol) (Distt. Surat) GIPCL	250					1. The zero date of the project is 31.3.06. (LOI date-29.3.06) 2. M/s TCE Consulting Engineers have been appointed as consultants.	1. Supply of non-pressure parts.
	Uni-3	125	09/08 (12/08)	01/09	11/09 (12/09)	01/10	Unit-3 Boiler 1. Boiler erection started on 19.2.07. 2. Drum lifted on 25.8.07. 3. Boiler HT completed on 06.11.08. 4. Non-pressure parts erection and refractory work is in progress. 5. BLU completed on 19.07.09. 6. EDTA completed on 21.08.09. 7. SBO start is expected on 10.10.09 8. Oil synch. is expected by 15.10.09.	2.Slow progress of AHP.
	Unit-4	125	01/09 (03/09)	05/09	01/10 (02/10)	03/10	3. Boiler HT completed on 06.11.08. 4. Non-pressure parts erection and refractory work is in progress. 5. BLU completed on 19.07.09. 6. EDTA completed on 21.08.09. 7. SBO start is expected on 10.10.09 8. Oil synch. is expected by 15.10.09.	3.Slow progress of BOP
	Date of TEC	: Not Required						supply/site Works.
	Est. cost	: Rs145585 Lakhs.						4. Pending supply for U-4 (168DUs)
	Exp. Upto 03/09	: Rs. 118077Lakhs						From Hyderabad
	Exp. During 09-10 (Upto 08/09)	: Rs 12471Lakhs						5.Insulation is critical
	Type of fuel	: Lignite						
	Fuel Linkage	: GIPCL own Captive Mines						
	Financial Closure	: Achieved on 24.11.06						
	Date of Main Plant Order	31.3.06 on M/s BHEL (EPC)						
	Power Evacuation System: Evacuating in the existing lines.						Unit-4 Boiler 1. Boiler erection started on 9.7.07. 2. Boiler drum lifted on 30.11.07. 3. Boiler HT completed on 07.03.09. 4. BLU expected in 11/09.	
							TG 1. TG Deck concreting work completed. 2. Condenser erection started on 30.07.08. 3. TG erection started on 09.03.09. 4. TG box up expected in 10/09.	
2.	UtranCCPP Distt. Surat GSECL	374. 571					1. All statutory clearances are available. 2. MOE&F clearance received. 3. Zero date of the project is 25.05.07. 4. All BOPs are ready.	Fallback arrangement for Gas has been made.
	GT	240	06/09 (06/09)	06/09	10.07.09(A) (08/09)	11/09	GT: Gas turbine first firing done on 29.06.09.GT synchronized in open cycle on 10.07.09. Full load on GT was taken on 07.08.09.	PermanentG as allocation from M OP&NG awaited.
	ST	134	08/09 (08/09)	08/09	10/09 (10/09)	11/09	ST: 1. Steam Turbine boxed up. 2. Steam turbine put on barring gear on 14.08.09. 3. First Steam to Steam Turbine is expected in 09/09. 4. Machine rolled on 06/10/09. 5. ST synchronization expected by 08/10/09. 6. CCPP base load will be achieved in 10/09.	
	Org.Estd.Cost	: Rs. 121,500Lakhs						
	Latest cost	: Rs. 126300 Lakhs						
	Exp. Upto 03/08	Rs 29500 Lakhs						
	Exp. During 08-09 (Upto March-2009)	Rs.1017 Crores						
	Financial closure	: 11.05.07						
	Type of fuel	: Natural Gas (base fuel)/LNG						
	Source of Fuel	: Gas Supply agreement with GSPC through pipeline						
	Date of Main Plant Order	: 27.4.07 on M/s Alstom (Switzerland) Ltd., through ICB route.						
	Zero date of the project	: 25.05.07						
	Power Evacuation	: Through existing 1. 220 kV Utran-Kim line and 2. 66 k V Utran- Surat line						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Comm.	COD	Syn. Comm.	COD		
3	Sikka TPS Extn. Distt. GSECL	500					1. All clearances are available expect MOE&F clearance. 2. Land for the project has been acquired. 3. MOE&F clearance received on 24.05.05 with conditions of forest land utilization for hot & cold water channel .. 4. Zero date of the project is 22.05.07. 5. Soil testing completed. 6. M/s TCE appointed as project Consultant.. 7. Design & Engg. is in progress. 8. Imported Coal long term arrangement is under process. 9. Kick-off meeting held on 7 th &8 th June at Sikka for implementation with BHEL 10. Approx. 32570 MT steel material for civil structural work, Boiler columns, AHP/CHP have been received at site. 11. Unit No.3 & 4 Boiler drums received at site . 12. After opening of Tech. bids, List of 6 vendors for boiler erection sent to GSECL for approval on 26.03.09. 13. EPC progress is 8.48% and Design & Engineering progress is 41.25%. 14. The proposal for diversion 96.5Ha. forest land is submitted by GoG to MOEF. The query raised by MOEF on 21.07.09 is replied by GoG on 29.07.09. The matter was discussed in the MOEF Forest Advisory Committee during its meeting on 20.08.09. 15. Erection work held up due to MOEF clearance.	Construction n work held up due to conditional Environment Clearance by MOEF regarding Forest land utilized for hot and cold water channel and ash dyke for the existing plant is necessary before starting the project. 2) Long term tie up for imported coal.
	Uni-3	250	05/11 07/11	07/11	02/12 05/12	05/12		
	Unit-4	250	09/11 11/11	11/11	06/12 09/12	09/12		
	Date of TEC		: Not Required					
	Date of Approval by State Govt.		: N.A.					
	Org.Est. cost		: Rs.193700 Lakhs					
	Latest cost (10/08)		: Rs. 228200 Lakhs					
	Exp. Upto 03/08		: Rs.15500 Lakhs					
	Exp. During 08-09 (Upto 09/08)		: Rs.5123 lakhs					
	Cumulative Exp (up to 06/09)		: Rs42232.76 lakhs					
	Financial Closure		: 22.05.07					
	Type of fuel		: Imported Coal					
	Date of Main Plant Order		: 10.04.07 .on M/s BHEL (EPC)					
	Zero Date of the Project		: 22.05.07 (Advance Paid to BHEL)					
4	UkaiTPS Extn. Distt. Unit-6 GSECL	490					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. Project consultant appointed. 6. Orders for BOPs to be placed by BHEL 7. BHEL supplied 18482 MT steel. 8. Excavation work of wagon Tippler is under progress. 9. Foundation work of Power House Bldg, Chimney , T/G deck &ESP under progress. 10. Boiler erection started in May.,09. 11. The overall progress of the project is 13.80%	1) Sub-Contractors for BOPs to be appointed at the earliest by BHEL. for the packages like PT, DM, Switch gear(HT/LT) etc. 2) Road net work and drainage in the project area be completed upfront.
	Uni-6	490	04/11 06/11	06/11	04/11 05/11	05/11		
	Date of TEC		: Not Required					
	Date of Approval by State Govt.		: N.A.					
	Org.Est. cost		: Rs. 193700 Lakhs					
	Latest cost (10/08)		: Rs. 221800 Lakhs					
	Exp. Upto 03/08		: Rs. 11750 Lakhs					
	Exp. During 08-09 (Upto 09/08)		: Rs. 859.20 Lakhs					
	Cumulative Exp. (Up to 06/09)		: Rs. 46777.19 lakhs					
	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					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com.)	COD		
PRIVATE SECTOR								
1.	Sugen Gas Based CCPP (Akhakhol) (Distt:Surat) M/s TPGL	1128 (Revised To 1147.5)					1. Mega project status awarded to the Project.	
	Block-I (1GT+1ST)	376 (382.5)	9/07	10/07	11/08 (A)	08/09	2. FSA for supply of gas for 2Blockshas been executed with IOC in Jan.06 and for 3 rd Block is under finalization	
	Block-II (1GT+1ST)	376 (382.5)	12/07	1/08	01/09 (A)	08/09	3. Gas Transmission Agreement (GTA) for laying gas pipeline has been executed with Gujarat State Petronet Limited (GSPL).	
	Block-III(1GT+1ST)	376 (382.5)	02/08	3/08	3/09(A)	08/09	4. TCE Consulting Engineers and Development Consultants Pvt.Ltd. have been appointed as consultants.	
	Date of TEC		: Not Required				5. All main plant equipment (Gas Turbines, Steam Turbines, Generators, Generator Transformers, Condenser) of all units have been installed.	
	Date of Approval by State Govt.		: 09/2004				6. Alignment of Gas Turbine, Steam Turbine and Generator is complete for all three units.	
	Org.Est. cost		: Rs.309600 lakhs				7. Heat Recovery Steam Generator (HRSG) – HRSG pressure test has been done in block-I , block-II and block-III.	
	Latest cost		: Rs.321700 Lakhs				8. Cooling Towers – Shells and internals of all the three Cooling Towers (NDCT) in block-I , block-II and block-III are completed.	
	Exp. upto 03/08		: Rs.233700 lakhs				9. PTP and DM plant already commissioned.	
	Exp. During 08-09 (Up to 12/08)		: Rs.16954 Lakhs				10. CW system is ready.	
	Financial Closure		: Achieved on 22.9.04				11. Fuel gas receiving station and spur line for receiving gas commissioned.	
	Type of fuel		:Gas				12. Switchyard erection work (cable laying, termination, stringing) is completed and it has been commissioned including outoing line bays.	
	Fuel Linkage		:From IOC & Reliance KG Basin				13. Chemical cleaning of block-I completed and steam blowing completed in 11/08.	
	Date of Main Plant Order		:EPC Contract awarded to Consortium led by M/sSiemens AG,Germany on 17.6.05 (Through ICB route)				14. Block-I is synchronised on 20.11.08 and attained a load upto 370 MW (20.01.09).Full load operation achieved on 04.02.09.	
	Zero date of the project		: 17.06.05				15. Block-II synchronised (open cycle) on 29.01.09. Combined cycle synch.achieved in first week of May,09. Full load achieved on 07.05.09.	
	Power Evacuation System:						16. The synchronising with grid of block-III achieved on 27.03.09.Full load achieved in combined cycle on 08.06.09.	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com.)	COD		
2.	Mundra TPP, Ph-I (Distt:Kutch) M/s Adani Power Ltd.	660					1. All clearances are available. 2. Zero date of the project is 01.06.06. 3. The order for all the BOPs have already been placed and are progressing as per schedule. Unit-1 Oil synch. achieved on 23.05.09.Coal firing achieved on 03.07.09.Full load achieved on 04.08.09.COD is expected in 09/09. Unit-2 Boiler 1. Boiler erection started on 11.09.07. 2. Drum lifted on 25.03.08. 3. HT completed on 31.12.08. 4. BLU achieved on 26.09.09. TG 1. Condenser erection started on 31.10.08. 2. TG erection started on 15.09.08. 3. TG Box Up completed on 29.08.09.	Coal linkage needs to be expedited Work progress is affected due to non-availability of Visa for Chinese Experts.
	Unit-1	330	04/09 (05/09)	08/09	05/09(A) (08/09)	09/09		
	Unit-2	330	07/09 (10/09)	11/09	11/09 (12/09)	01/10		
	Date of TEC		: Not Required					
	Date of Approval by State Govt.		: N.A.					
	Org.Est.Cost		: Rs.228000 lakhs					
	Exp. upto 03/08		: Rs.129193 lakhs					
	Exp. during 08-09 (upto-11/08)		: Rs.42568 lakhs					
	Financial Closure		: Achieved on 20.09.06					
	Type of fuel		: ImportedCoal					
	Fuel Linkage		:Imported coal from Indonesia					
	Date of Main Plant Order		BTG Contract awarded to SCMEC, SFPML China on 01.06.06 and 01.09.06 respectively for U-1&2 (Through ICB route)					
	Zero date of the project		: 01.06.06 &01.09.06 respectively					
	Power Evacuation System: Ready							
3.	Mundra TPP, Ph-I (Distt:Kutch) M/s Adani Power Ltd.	660					1. All clearances are available. 2. Zero date of the project is 01.03.07. 3. The order for all the BOPs have already been placed and are progressing as per schedule. Unit-3 Boiler 1. Boiler erection started on 10.07.08. 2. Drum lifting completed on 16.02.09. 3. Boiler HT completed on 15.05.09. 4. BLU is expected in 01/10. TG 1. Condenser erection started in 01/09. 2. TG erection started on 24.05.09. 3. TG Box Up is expected in 11/09. Unit-4 Boiler 1. Boiler erection started on 21.11.08. 2. Boiler drum lifting completed on 15.05.09. 3. Boiler HT is expected in 12/09. TG 1. Condenser erection started on 30.04.09. 2. TG erection started in 05/09. 3. TG box up is expected in 01/10.	Coal linkage needs to be expedited Work progress is affected due to non-availability of Visa for Chinese Experts. Completion of GETCO's transmission system for the power evacuation from unit-4
	Unit-3	330	01/10 (04/10)	05/10	02/10 (03/10)	04/10		
	Unit-4	330	04/10 (07/10)	08/10	03/10 (04/10)	05/10		
	Date of TEC		: Not Required					
	Date of Approval by State Govt.		: N.A.					
	Org.Est. cost		: Rs.207000 Lakhs					
	Exp. upto 03/08		: Rs.35173 lakhs					
	Exp. During 08-09 (Up to 11/08)		: Rs. 41257Lakhs					
	Financial Closure		: Achieved on 25.07.07					
	Type of fuel		: ImportedCoal					
	Fuel Linkage		:Imported coal from Indonesia					
	Date of Main Plant Order		BTG Contract awarded to Kowa/SFPML on 01.03.07					
	Zero date of the project		: 01.03.07					
	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.)	COD	Syn. (com.)	COD		
4.	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.	Coal linkage needs to be expedited Readiness of GETCO's transmission lines. Work progress is affected due to non-availability of Visa for Chinese Experts.
	Unit-1	660	01/11 (03/11)	04/11	01/11 (03/11)	04/11	Unit-1 Boiler 1. Boiler erection started on 17.10.08. 2. Boiler HT expected in 05/10. TG 1. Condenser erection start is expected on 01.12.09. 2. TG box up is expected in 09/10. Unit-2 Boiler 1. Boiler erection started on 02.12.08. 2. Boiler HT expected in 08/10. TG 1. Condenser erection start is expected in 02/10.	
	Unit-2	660	06/11 (08/11)	09/11	06/11 (08/11)	09/11		
	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		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							
5.	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.	Readiness of Power evacuation system. Work progress is affected due to non-availability of Visa for Chinese Experts.
	Unit-1	660	04/11 (05/11)	06/11	04/11 (05/11)	06/11	Unit-1 Boiler 1. Boiler erection started on 18.02.09. 2. Boiler HT expected in 07/10. TG 1. Civil works are in progress. 2. Condenser erection start is expected in 04/10. Unit-2 Boiler 1. Boiler erection started on 25.06.09. 2. Boiler HT expected in 01/11. TG 1. Civil works are in progress. 2. Condenser erection start is expected in 08/10. Unit-3 Boiler 1. Civil works are in progress. 2. Boiler erection start is expected in 11/09. TG 1. Civil works are in progress. 2. Condenser erection start is expected in 10/10.	
	Unit-2	660	07/11 (08/11)	09/11	07/11 (08/11)	09/11		
	Unit-3	660	09/11 (10/11)	11/11	09/11 (10/11)	11/11		
	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		: ImportedCoal					
	Fuel Linkage		: Imported coal from Indonesia					
	Date of Main Plant Order		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								

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Comm)	COD	Syn (Comm)	COD		
6.	Hazira CCPP (Gujarat State Energy Generation Limited), Surat	350					1. All statutory clearances are available. 2. Zero date of the project is 23.01.08. 3. Foundation work in HRSG, HRSG Stack and GTG completed and for STG is in progress. 4. GT/ST building foundation work is in progress. GT/ST building is expected to be ready by 01/10. 5. HRSG erection started on 15.04.09. HRSG readiness is planned for 03/10. 6. Cooling tower piling work completed and foundation RCC work is in progress. 7. Flange to flange gas turbine has reached at site from GE USA. GTG supply from Haridwar is expected by 09/09. GT FSNL is expected in 05/10. 8. Steam Turbine is on critical path & expected to reach at site by 12/09. ST erection start is expected by 03/10. STG Box up is expected in 06/10 9. There is no provision of by pass stack hence GT can not run in open cycle. 10. Commissioning in combined cycle is expected in 07/10. COD is expected in 08/10. 11. M/s GSEG stated that there is a delay in releasing of civil & structural drawings by BHEL. It was assured by BHEL to expedite the releasing of drawing. M/s GSEG intimated that there was FSA with GSPC for existing Hazira CCGT and that is sufficient for this Extension also.	(1) BHEL to speed up site civil work as civil work start is delayed by about 3 months. (2) Steam Turbine delivery is on critical path and BHEL need to ensure timely delivery. (3) Engineering progress is not up to mark and civil drawings need to be cleared quickly for making front available at site (4) BHEL site staff need be augmented with senior
	GT	222	02/10 02/10	03/10	05/10 06/10	07/10		
	ST	128	03/10 03/10	03/10	06/10 07/10	08/10		
	Org.Est. cost		Rs. 115200 Lakhs					
	Latest cost		Rs. 115200 Lakhs					
	Exp. Upto 03/09		Rs. 35000 Lakhs					
	Exp. During 09-10 (Upto 06/09)		Rs. 5000 Lakhs					
	Cumm. Exp up to 06/09		: Rs. 40000 Lakhs					
	Financial closure		Debt tied up, equity tie up under progress.					
	Type of fuel		: Natural Gas					
	Date of Main Plant Order		: 29.12.07 on M/s BHEL (EPC) through ICB route.					
	Zero date of the project		: 23.01.08					

- All statutory clearances are available.
- Zero date of the project is 23.01.08.
- Foundation work in HRSG, HRSG Stack and GTG completed and for STG is in progress.
- GT/ST building foundation work is in progress. GT/ST building is expected to be ready by 01/10.
- HRSG erection started on 15.04.09. HRSG readiness is planned for 03/10.
- Cooling tower piling work completed and foundation RCC work is in progress.
- Flange to flange gas turbine has reached at site from GE USA. GTG supply from Haridwar is expected by 09/09. GT FSNL is expected in 05/10.
- Steam Turbine is on critical path & expected to reach at site by 12/09. ST erection start is expected by 03/10. STG Box up is expected in 06/10
- There is no provision of by pass stack hence GT can not run in open cycle.
- Commissioning in combined cycle is expected in 07/10. COD is expected in 08/10.
- M/s GSEG stated that there is a delay in releasing of civil & structural drawings by BHEL. It was assured by BHEL to expedite the releasing of drawing. M/s GSEG intimated that there was FSA with GSPC for existing Hazira CCGT and that is sufficient for this Extension also.

(1) BHEL to speed up site civil work as civil work start is delayed by about 3 months.
(2) Steam Turbine delivery is on critical path and BHEL need to ensure timely delivery.
(3) Engineering progress is not up to mark and civil drawings need to be cleared quickly for making front available at site
(4) BHEL site staff need be augmented with senior

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (Comm)	COD	Syn. (Comm)	COD		
7	Pipavav CCPP GSPC PIPAVAV Power Company Limited Distt: Amreli GPPC	702					1. Main Civil Work contract awarded to M/S Bhola Singh Jai Prakash Associate Delhi on 11/11/2008. 2. Site mobilized in Nov.08 and Civil works started in Dec.08. 3. Customer site office constructed and handed over. BHEL site office completed. 4. About 7687 MT of structural steel, 3385 MT HRSG material, 365 MT materials of switchyard, 380 MT of ESP materials, and 160 MT of GT/ST materials received at site. 5. LP drum already received. HT & IP drum expected to be received in Sept.09. 6. On 08.08.09, truck carrying GT-1 from Mnudra part 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). 7. HRSG-1: Foundation RCC columns work in progress & its readiness is expected by Sept. 09. 8. GT foundation: Reinforcement steel placing in progress. Readiness expected by Sept. 09. 9. GTG building: Excavation in progress. Readiness of footings by 10/09. 10. STG building: Excavation in progress. Readiness of footings by 10/09. 11. Cooling Tower : Excavation in progress. Footing RCC work completion by 11/09. 12. Switchyard towers (53) excavation and PCC work in progress. RCC completion by 10/09. 13. Turnkey packages: 5 out of 14 ordered. 14. Non Turnkey packages: 25 out of 50 ordered.	1. Release of civil drawings for STG machine foundation, CWPB, control & facility building, sea water intake pump house, miscellaneous tanks. 2. Ordering of BOI packages pending: Air conditioning, compressed air, RWPT plant, CW treatment plant, chlorination plant, effluent treatment plant, GRP pipe.
	U-1	351	<u>07/10</u> 08/10	09/10	<u>10/10</u> 11/10	12/10		
	U-2	351	<u>10/10</u> 11/10	12/10	<u>01/11</u> 02/11	03/11		
	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 (Upto 07/08)		: Rs. 1890 Lakhs					
	Financial closure		: 24/01/08					
	Type of fuel		: Natural Gas(base fuel)/LNG					
	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					
	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					

BROAD STATUS OF THERMAL POWER PROJECTS IN MADHYA PRADESH

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			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. - Price Bid opened for BOP. Award may be issued by 10/09 on single package. - Design & Engineering by BHEL is under progress. - Preliminary works at site started. - Award of Main Plant civil works exp. by 10/09 and work will start in 11/09. - Start of Boiler erection exp. by 01/10.	Land acquisition for ash pond. LOA for coal linkage from Coal India Ltd.
	Unit-10	250	11/11 12/11	01/12	11/11 01/12	02/12		
	Unit-11	250	04/12 05/12	06/12	05/12 07/12	08/12		
	State Govt. approval	: Accorded on 29.06.06						
	Org Est. approved cost	: Rs. 235000 Lakhs						
	Latest Cost	: Rs. 263700 Lakhs						
	Exp.2007-08	: Rs. 15125 Lakhs						
	Exp. 2008-09	: Rs. 89 Lakhs						
	Exp. During 09-10 (upto 07/09)	: Rs 63 Lakhs						
	Cumulative Exp (up to 07/09)	: Rs.15293 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)						
2.	Shree Singati TPP -I (Malwa TPP) Mega Project (At Purni, Distt. Khandwa)	1200					- All clearances available. - M/s L&T-S&L, Vadodara has been appointed as Project Consultant. - Project implementation in 2 parts i.e 1 Main power block with civil work. 2. BOPs with civil work. - Price Bid opened for BOP. Award may be issued by 11/09 - Site levelling & grading work is in progress.	Long Term Coal Linkage Land acquisition.
	Unit-1	600	03/12 05/12	06/12	03/12 07/12	08/12		
	Unit-2	600	07/12 09/12	10/12	07/12 11/12	12/12		
	State Govt. approval	: Accorded						
	Org Est. approved cost	: Rs.405300 Lakhs						
	Latest Cost	: Rs.405300 Lakhs						
	Exp. upto 03/09	: Rs 22000 lakhs						
	Exp. During 09-10 (upto 07/09)	: Rs. 315 lakhs						
	Cumulative Exp (up to 07/09)	: Rs.22314 lakhs						
	Type of fuel	: COAL (Linkage awaited)						
	Date of Main Plant Order	: Order placed on M/s BHEL for main power block with civil work on 12.12.08.						

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.)	COD	Syn. (com.)	COD				
PROJECTS INCLUDED IN 11 TH PLAN										
I.	PROJECTS COMMISSIONED									
1.	Paras TPP Expn.* (Distt. Akola) MSPGCL	250					Unit synchronized on 31.5.07. Coal Firing completed on 18.10.07. Full load operation completed on 10.03.08. Third mill was made ready in the last week of March08. COD achieved on 31.03.08.			
	Uni-1*	250	11/06	01/07	05/07(A)	03/08(A)				
	Date of TEC		: 13.06.2003							
	Date of Appl. by State Govt.		: 9.9.2003							
	Org.Est.Proj.Cost		: Rs. 102670lakhs							
	Latest Cost of Proj.		: Rs. 146840akhs							
	Exp. Upto 03/06		: Rs.6459.04 lakhs							
	Exp. During 06-07(upto3/07)		: Rs. 44103 lakhs							
	Exp.During 7-08((Upto 7/07)		: Rs.1788 lakhs							
	Cumulative Exp.(01/08)		: Rs. 132856 Lakhs							
	Type of fuel		:Coal							
	Financial closure		: Achieved on Jan.04 Equity: GOMaharashtra Rs. 190.24 Crs. Loan: PFC Rs. 820 Crs.							
	Date of Main Plant Order		: M/S BHEL on 25.5.04 (BTG)							
	* Slipped from 10 TH Plan									
2.	TrombayTPS Extension (Distt. Mumbai) TPCL	250					Unit-8 : Synchronised on 14.01.09. Coal firing achieved on 07.03.09. Full load achieved 26.03.09. FGD commissioned in 03/09. COD achieved on 29.03.09			
	Unit - 8	250	08/08 (09/08)	10/08	01/09(A) (03/09)	03/09 (A)				
	Date of TEC		: Not Required							
	Date of Approval by State Govt.		: N.A.							
	Original Est. cost.		: Rs. 99000 lakhs							
	Latest Cost		: Rs.106600 Lakhs							
	Exp. Upto 03/07		: Rs. 9900 Lakhs							
	Exp. During 07-08 (Upto 03/08)		: Rs.48700 Lakhs.							
	Type of fuel		: Imported Coal (very low Sulphur & Ash content)							
	Fuel Linkage		Imported Coal (very low Sulphur & Ash content)							
	Financial closure		: 27.9.06							
	Date of Main Plant Order		: M/S BHEL on 05.06.06 (EPC Basis)							
	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.)	COD	Syn. (com.)	COD		
II PROJECTS UNDER CONSTRUCTION								
	STATE SECTOR							
1.	Paras TPS Expansion (Distt. Akola) MSPGCL	250					1. Consultant appointed on 12.09.06. 2. All required clearances are available. 3. Financial closure achieved on 7.02.06. 4. Orders of all BOP packages placed. Boiler 1. MSPGCL have handed over Boiler front to BHEL on 31.8.07. 2. Boiler erection started on 14.9.07. 3. Boiler drum lifted on 15.05.08. 4. Boiler HT completed on 18.02.09. 5. BLU completed on 22.07.09. 6. SBO start is expected on 15.10.09. TG 1. 229/388 packages of TG material received at site upto 02/09. 2. TG erection started on 22.09.08. 3. TG box up is completed in 07/09. 4. TG oil flushing is in progress.	Supply of Girth gear by BHEL
Uni-2	250	06/09 (09/09)	10/09	11/09 (02/10)	03/10			
Date of TEC		: Not Required						
Date of Approval by State Govt.		: 12.05.06						
Est.Proj. cost.		: 122400 Lakhs						
Exp. Upto 03/08		: Rs.36520Lakhs						
Cumulative Exp (Upto 07/09)		: Rs. 107426 Lakhs						
Type of fuel		: Coal						
Fuel Linkage		: 2.4Million metric tones/ annum from WCL coal mines at Waghoda & Durgapur.						
Financial closure		: Achieved in 3/06 Equity : GO Maharashtra Rs245 crs. Loan : PFC Rs. 888Crs.						
Date of Main Plant Order		: M/S BHEL on 31.08.06 (BTG +Electrical)						
Power Evacuation System: Existing 400kV line.								
2.	Khaperkheda TPS Expansion Project (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. Boiler 1. Out of total 34000MT Boiler & ESP material 27545MT received at site &15671MT erected upto 08/09. 2. Boiler erection started on 12.02.8. 3. Boiler Drum lifted on 28.11.08. 4. HT completed on 30. 08.09. 5. BLU expected in 12/09. TG 1. Condenser erection started on 27.03.09. 2. TG erection started on 05.06.09. 3. TG box up is expected in 03/10.	Supply of Boiler and TG material by BHEL.
Unit - 5	500	03/10 (07/10)	08/10	07/10 (10/10)	11/10			
Date of TEC		: Not Required						
Date of Approval by State Govt.		: 12.05.06						
Est.Proj. cost.		: 217000 Lakhs						
Exp. Upto 03/08		: Rs.27141 Lakhs						
Cumulative Exp. (upto 07/09)		: Rs. 158959Lakhs						
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.)	COD	Syn. (com.)	COD		
3.	Bhusawal TPS Expansion Project (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.	Sequential supply of Boiler and TG material by BHEL. (Bottom ring headers)
	Uni-4	500	05/10 (09/10)	10/10	09/10 (11/10)	11/10		
	Uni-5	500	09/10 (01/11)	02/11	12/10 (02/11)	02/11		
	Date of TEC		: Not Required				Unit-4 Boiler	
	Date of Approval by State Govt.		: 12.05.06				1. Out of total 33200MT of Boiler & ESP material 25228MT received at site and 10109MT erected upto 08/09.	
	Est.Proj. cost.		: 412400 Lakhs				2. Boiler Foundation handed over on 10.03.08.	
	Exp. Upto 03/08		: Rs. 16920 Lakhs				3. Boiler erection started on 26.03.08.	
	Cumulative Exp.(Upto 07/09)		: Rs 382551Lakhs				4. Boiler Drum lifted on 09.01.09.	
	Type of fuel		:Coal				5. Boiler HT expected in 12/09.	
	Fuel Linkage		:2.4MTPA from MCLcoal mines at Talcher/IB.				TG	
	Financial closure		: Achieved on 27.07.06 Equity : GO Maharashtra Rs825 crs. Loan : PFC Rs. 3693Crs.				1. Condenser erection started on 14.03.09.	
	Date of Main Plant Order		: M/S BHEL on 23.01.07 (BTG +Electrical)				2. TG erection started on 30.04.09.	
	Power Evacuation System: Existing 400kV/220 kV lines.						Unit-5 Boiler	
							1. Out of total 33200MT of Boiler & ESP material 22941MT received at site and 7776MT erected upto 08/09.	
							2. Boiler Foundation handed over on 26.05.08.	
							3. Boiler erection started on 03.08.08.	
							4. Boiler drum lifted on 20.04.09.	
							5. Boiler HT expected in 03/10.	
							TG	
							1. TG deck casting done on 25.06.09	
							2. TG erection start is expected in 09/09.	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com.)	COD		
4.	Chandrapur TPS Expansion (Distt.Chandrapur) MSPGCL	1000					1. MOE&F clearance received in 01/09. 2. Zero date of the project is 09.02.09. 3. Design & Engg. is in progress. 4. NIT issued for BOP packages on 7.11.08. 5. Bids opened on 20.01.09 and are under finalization.	
	Uni-1	500	09/11 (01/12)	02/12	09/11 (01/12)	02/12		
	Uni-2	500	12/11 (04/12)	05/12	12/11 (04/12)	05/12		
	Date of TEC		: Not Required					
	Approval by State Govt.		:05.03.08					
	Est.Proj. cost.		: Rs. 550000 Lakhs					
	Exp. Upto 03/08		: Rs. - Lakhs					
	Exp. During 08-9 (Upto 07/08)		: Rs - Lakhs					
	Type of fuel		:Coal					
	Fuel Linkage		: From Machhakata captive coal mines Orissa.					
	Financial closure							
	Date of Main Plant Order		: M/S BHEL on 25.07.08 (BTG + C&I, Electrical &Aux.Equip.)					
	Power Evacuation System: Existing 400kV/220 kV Chandrapur-II s/s along with switching station.							

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
5.	New Parli TPP (Distt. Beed) MSPGCL	250					1. Consultant appointed on 12.09.06. 2. All required clearances are available. 3. Financial closure achieved on 3.01.06. 4. The order for Civil Foundation is placed on M/s Metcon on 16.3.07. 5. Orders of BOP packages are in progress. Boiler 1. MSPGCL have handed over Boiler front to BHEL on 22.8.07. 2. Out of total 16661MT Boiler & ESP material 14150 MT received at site and 11181 MT erected upto 04/09. 3. Boiler erection started on17.10.07. 4. Boiler drum lifted on15.04.08. 5. Boiler HT completed on 17.12.08. 6. Boiler Light up completed on 12.07.09 7. Alkali boil-out and Acid cleaning completed on 13.08.09. 8. Steam blowing started 25.08.09 and expected to complete on 18.10.09. 9. Syn. expected in 11/09. 10. Coal firing expected in 11/09 TG 1. Supply of TG materials started at site 2. Condenser erection started on 15.07.08 3. TG erection started on 22.07.08 4. TG box up completed on 12.08.09 5. Oil flushing started on 06.08.09. 6. Barring gear completed in 09/09	Late handing over of Boiler foundations by MSPGCL 1) Deployment of skilled manpower 2) Commissioning of HFO system on top most priority 3) Commissioning of one Boiler feed pump. 4)Supply of SPBD &IPBD material from BHEL, Rudrapur and Coal mill material from BHEL, Hyd., and Supply of 2 nos. Girth gear for coal mills. 5).Availability of water for PT plant by M/s Hydroair. 6)Bunker hopper & bunker belt extn., works by M/s Sunil Hi Tech.
	Uni-2	250	02/09 03/09	05/09	10/09 12/09	12/09		
	Date of TEC	: Not Required						
	Date of Approval by State Govt.	: 12.05.06						
	Est.Proj. cost.	: 109100 Lakhs						
	Exp. Upto 03/08	: Rs.38333.59 Lakhs						
	Exp. During 08-09 (Upto 07/08)	: Rs.11599.08 Lakhs						
	Cumulative Exp. (Up to 07/09)	:Rs.101357.2 lakhs						
	Type of fuel	:Coal						
	Financial closure	: Achieved on 03.01.06 Equity : GO Maharashtra Rs218 Crs.Loan : PFC Rs. 830Crs.						
	Zero date	: 31.08.06						
	Date of Main Plant Order	: M/S BHEL on 31.08.06 (BTG +Electrical)						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com.)	COD		
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 10.05.07. 3. Order for all the BOPs have been placed. 4. Mega Power status is yet to be received. 5. chimney # 1: Outer shell (213.5 m) completed in 11/08. Both flues brick lining work completed upto 100 m upto 06/09. 6. Chimney # 2: Outer shell completed in 03/09. Structural fabrication and erection is in progress. 7. IDCT # 1: Hydro test completed& 50%Basin PU coating achieved upto 06/09. 8. IDCT # 2: Basin & pipe support beam completed. Hydro test also completed. 9. IDCT # 3: Basin completed and 90% pipe support beam completed upto 06/09. 10. IDCT # 4: Raft & Basin wall 1st lift concreting completed upto 06/09.	Readiness of Power evacuation system.
Unit - 1	300	12/09 (03/10)	04/10	12/09 (03/10)	04/10			
Unit - 2	300	02/10 (05/10)	06/10	02/10 (05/10)	06/10			
Unit - 3	300	04/10 (07/10)	08/10	04/10 (07/10)	08/10			
Unit - 4	300	06/10 (09/10)	10/10	06/10 (09/10)	10/10			
Date of TEC		: Not Required						
Date of Approval by State Govt.		: N.A.						
Original Est. cost.		: Rs- 450000 Lakhs						
Latest Cost		: Rs. 450000 Lakhs						
Exp. Upto 03/08		: Rs. 50800 Lakhs						
Exp. During 08-09 (Upto 12/08)		: Rs. 107900 Lakhs.						
Type of fuel		: Imported Coal						
Fuel Linkage		Imported Coal (very low Sulphur & Ash content)						
Financial closure		: Achieved on 02.08.07						
Date of Main Plant Order		: M/sShanghai Electric Power Generation Company, China on 10.05.07 (BTG) under –ICB route						
		BOP contract awarded to SEW-ABB-EDAC consortium with EDAC as lead partner.						
Power Evacuation System: There are two 400kV lines : (1) New KOYNA Line (2) KARAD Line. Order for both the lines placed on M/s L&T on 02.07.08. The work is lagging behind the schedule.							Unit-1 Boiler 1. A total of 99% Boiler material received and 62% material erected upto 06/09. 2. Boiler erection started on 22.05.08 3. Boiler drum lifted on 01.11.08. 4. Pressure parts erection is in progress. 5. Boiler HT completed on 07.06.09. 6. Boiler light up expected in 10/09. TG 1. TG erection started in 03/09. 2. TG box up expected in 10/09. Unit-2 Boiler 1. A total of 95% Boiler material received and 53% material erected upto 06/09. 2. Boiler erection started on 15.07.08. 3. Boiler drum lifted on 12.01.09. 4. Pressure parts erection is in progress 5. Boiler HT is expected in 09/09. TG 1. TG erection started in 05/09. 2. TG box up expected in 12/09. Unit-3 Boiler 1. A total of 60% Boiler material received and 29% material erected upto 06/09. 2. Boiler erection started in12/08. 3. Boiler HT is expected in 10/09. TG 1. TG piling completed in 12/08. 2. TG erection started on 31. 07.09. Unit-4 Boiler 1. A total of 43% Boiler material received and 14% material erected upto 06/09. 2. Boiler erection started in 03/09. 3. Boiler HT expected in 12/09. TG 1. TG piling completed. TG deck casting is in progress. 2. TG erection start is expected in 09/09.	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com.)	COD		
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 is in progress. 5. Leveling work is in progress. 6. Foundation works awarded, work to commence in 01/09. 7. The process of order placement for all the BOPs are in progress.	Accordance of Mega Status
	Unit-1	660	03/11 (04/11)	05/11	03/11 (04/11)	05/11		
	Unit-2	660	06/11 (07/11)	08/11	06/11 (07/11)	08/11		
	Date of TEC	: Not Required						
	Date of Approval by State Govt.	: N.A.						
	Org.Est. cost	: Rs.926300 lakhs(Incd.Ph-II,U-1)						Unit-1 Boiler
	Exp. upto 03/08	: Rs. 2230 lakhs						1. Civil works are in progress. 2. Boiler erection started on 01.07.09. 3. Boiler HT expected in 07/10.
	Exp. During 08-09 (Up to 11/08)	: Rs. 18992 Lakhs						TG
	Financial Closure	: Achieved on 20.08.09						1. Civil works are in progress. 2. Condenser erection start is expected in 03/10.
	Type of fuel	:Coal						Unit-2 Boiler
	Fuel Linkage	:Imported Coal (very low Sulphur & Ash content)						1. Boiler erection start is expected in 11/09.
	Date of Main Plant Order	BTG Contract awarded to SCMEC China on 28.02.08						TG
	Zero date of the project	: 28.02.08						1. Condenser erection start is expected in 07/10.
	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. Leveling work is in progress. 5. Foundation works awarded, work to commence in 01/09. 6. The process of order placement for all the BOPs are in progress.	
	Unit-1	660	09/11 (10/11)	11/11	09/11 (10/11)	11/11		
	Date of TEC	: Not Required						
	Date of Approval by State Govt.	: N.A.						Unit-1 Boiler
	Org.Est. cost	: Included in Ph-I cost						1. Boiler erection start is expected in 03/10.
	Exp. upto 03/08	: Rs. lakhs						TG
	Exp. During 08-09 (Up to 11/08)	: Rs. Lakhs						1. Condenser erection start is expected in 11/10.
	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	BTG Contract awarded to SCMEC China on 28.02.08						
	Zero date of the project	: 28.02.08						
	Power Evacuation System: Yet to start							

III PROJECTS WHERE CONSTRUCTION IS YET TO START

Nil

BROAD STATUS OF THERMAL POWER PROJECTS IN ANDRA PRADESH

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Orig.		Act.(A)/As Now Exp.			
			Syn. Com	COD	Syn. Com	COD		
A.	PROJECTS INCLUDED IN 11TH PLAN							
I.	PROJECTS COMMISSIONED							
1.	STATE SECTOR						U-3: - Synchronised on 25.1.2007. - Coal firing was carried out on 01.03.07. - Full load was achieved on 29.5.07. - Unit declared commercial w.e.f. 15.08.2007. U-4: - Unit synchronized on 20.11.2007. - Coal firing also achieved on 20.11.2007. - Full load achieved on 30.1.08. - Unit declared commercial w.e.f. 29.03.2008.	
	Rayalaseema TPP St-II (M/s APGENCO) Distt. Cuddapah	420						
	Unit-3	210	09/06 12/06		01/07(A) 05/07(A)	8/07(A)		
	Unit-4	210	12/06 03/07		11/07(A) 01/08(A)	3/08(A)		
	TEC Date (Revised) :	3/2001						
	Est. Org. cost :	Rs.164000 lakhs						
	Latest Est. cost :	Rs.164000 lakhs						
	Expenditure Up to 3/07 :	Rs 148000 lakhs						
	During 2007-08 :	Rs. 21200 lakhs (upto 12/2007)						
	Financial Closure :	Achieved on 30.4.04.						
	Type of Fuel :	Coal						
	Order Date :	Placed on BHEL on 27.12.2003.						
1.	PRIVATE SECTOR						- EPC contract has been signed with M/s Alstom (Switzerland) and M/s Alstom (India) Ltd. - Makes: GT, GTG, ST, STG, HRSG (Alstom, Switzerland) , Frame size: 13E2 - Construction of project completed in all respects. - GT-1 test synchronized on 30.10.08. - GT-2 test synchronized on 17.11.08. - ST test synchronized on 23.2.09. - CCPP achieved full load on 03/05/09. - Project was declared on commercial operation w.e.f. 05.06.09.	
	Gautami CCPP (M/s .Gautami Power Ltd.) Distt.: East Godavari	464						
	GT-1*	145	02/06 02/06	02/06	10/08(A) 05/09(A)	06//09(A)		
	GT-2*	145	02/06 02/06	02/06	11/08(A) 05/09(A)	06//09(A)		
	ST*	174	07/06 07/06	07/06	02/09(A) 05/09(A)	06//09(A)		
	Orig. Est. Cost :	145000 lakhs.						
	Latest Ext. Cost. :	193513 lakhs						
	Expenditure Upto 3/07 :	Rs. 148150 lakhs						
	During 2007-08 :	Rs. 15628 lakhs						
	During 2008-09 :	Rs. 8279 lakhs (upto 12/2008)						
	Financial Closure :	Achieved on 29.03.2004						
	Fuel :	Gas/HSD						
Date of Main :	9/2003 (EPC)							

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	Critical Areas	
			Orig.		Act.(A)/As Now Exp.				
			Syn. Com	COD	Syn. Com	COD			
II. PROJECTS UNDER CONSTRUCTION									
1.	Rayalaseema TPP St.III (M/s APGENCO) Distt.Cuddapah Unit - 5	210					- M/s PFC has sanctioned a loan amount of Rs.796.8 crores towards project cost. - Order for main plant placed on 02.06.07 on M/s BHEL. - Zero date of the project is 25.1.07. - MOEF clearance obtained in 3/08. - Boiler erection commenced on 16.7.08. - Drum lifting done on 19.12.08. - Hyd. Test completed on 14/09/09. - Boiler light-up is expected by 02/10. - Condenser erection started on 19.05.09. - TG erection started on 14/08/09. - TG box up expected by 05/10. - Chimney shell casting completed. Erection of flue is in progress. ID Cooling Tower works are in progress.	- Placement of order for DM Plant. - Slow progress of work on all fronts.	
		210	07/09 09/09	10/09	08/10 10/10	12/10			
		Org. Est. Cost :	Rs. 99600 lakhs						
		Latest Est. Cost :	Rs. 99800 lakhs						
		Expenditure Up to3/07 :	Nil						
		During 2007-08 :	Rs. 10595 lakhs						
		During 2008-09 :	Rs. 35900 lakhs						
		During 2009-10 :	Rs. 15538 lakhs (Upto 07/09)						
		Financial Closure	---						
		Fuel (Coal) Linkage : SLC (LT) has sanctioned 1.04 million tons per annum, MCL has issued letter of assurance and FSA will be entered accordingly.							
		Power Evacuation :Existing system would be used.							
		Order Date		Placed on BHEL on 2.06.2007.					
2.	Kothagudem TPS St.VI M/s APGENCO Distt. Khammam Unit-1	500					- Order for main plant placed on M/s BHEL on 22.02.07. - Boiler erection started on 10.04.08. - Boiler drum lifted on 18. 08.08. - Boiler hydraulic test is expected by 10/09. - ESP erection work started on 30.04.08. - TG deck is to be handed over to BHEL by APGENCO for commencement of erection. - Condenser & TG erection expected to start in 11/09. - Orders for BOPs including civil works placed on M/s BGR Energy Systems Ltd. on 23.02.08. - Dismantling of Chimney slip-form structure is in progress. - All racker columns of NDCT completed. Ring beam completed for 1st lift. - Foundations work of PA, ID & FD fan is in progress. - ESP control room works are in progress. - Works of Compressor house, CWP, sump, CW pit ,chlorination plant, Coal conveyor TPs, DM water tank,Ash PH, DM PH, Switchyard & control building are in progress.		
		500	12/09 04/10	5/10	12/10 03/11	04/11			
		Org. Est. Cost :	Rs.216400 lakhs						
		Latest. Est. Cost	Rs.220300 lakhs						
		Expenditure up to 3/07	Rs. 8952 lakhs						
		During 2007-08 :	Rs. 15711 lakhs						
		During 2008-09 :	Rs. 67700 lakhs						
		During 2009-10 :	Rs. 23100 lakhs (Upto 06/09)						
		Financial closure	---						
		Fuel (Coal) Linkage : SLC (LT) sanctioned 2.31 million tons per annum. Schedule of mile stone events and commissioning of the unit has been furnished to MCL.							
		Power Evacuation : Kothagudem-Khammam 400 Kv D/C line							
		Order Date		Placed on BHEL on 22.02.07.					

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	Critical Areas	
			Orig.		Act.(A)/As Now Exp.				
			Syn. Com	COD	Syn. Com	COD			
3.	Dr NT Rao TPS ST-IV (Vijayawada) (M/s APGENCO) Distt. Krishna Unit-1	500					- Contracts for BOPs & civil works awarded to M/s BGR on 4.5.2006 on EPC basis. - M/s Indwell were awarded boiler erection contract. - Boiler erection commenced on 18.08.06 . - Boiler drum lifted on 10.05.07. - Boiler Hyd.Test completed on 28.12.07. - Boiler light up completed on 25.12.08. - SBO started on 20.2.09 and completed on 05.03.09. - TG erection started on 29.10.07. - TG boxed up on 28.03.09. - Oil flushing completed. - Barring Gear done on 31.03.09. - Unit synchronized on 06/04/09. - Coal firing done on 15.04.09. - Unit tripped due to failure of Generator transformer. - Unit resynchronized on 25th Sept'09 but tripped on 29th Sept'09 due to suspected hydrogen leakage problem. - Finally Unit resynchronized and achieved full load on 08.10.09.		
4.	Kakatiya ST-I TPP (APGENCO) Distt. Warangal Unit-1	500					- Coal linkage agreement with SCCL for supply of 2.16 mtpa from Bhoopalpalli mines has been accorded on 31.03.05. - Orders for supply, erection, commissioning and testing of BOPs including civil works were issued to M/s BGR Energy System (India) Ltd , Chennai on 18.11.06. - Boiler erection commenced on 21.03.07. - Boiler drum lifted on 26.08.2007. - Boiler hydro test completed on 08.05.08. - Boiler light up is expected by 11/09. - ESP erection is in progress. - Condenser erection started on 25.04.08. - TG erection started on 22.05.08. - Generator Stator with rotor inserted kept in position on TG deck. - TG box up is expected by 10/09. - Chimney completed. - Cooling Towers are in final stage of completion. - ESP control room completed. - CHP & AHP works are in progress. 400 kV switchyard completed for power evacuation. 132 kV switchyard erection completed.	i) Civil works to be expedited by BGR. ii) Availability of water from Godavari river for pre-commissioning activities. iii) Expeditious development of Coal mine for availability of coal on continuous basis.	
		500	01/09 03/09	04/09	02/10 05/10	06/10			

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Orig.		Act.(A)/As Now Exp.			
			Syn. Com	COD	Syn. Com	COD		
PRIVATE SECTOR								
1	Konaseema CCPP (M/s Konaseema Gas Power Ltd.) Distt.: East Godavari	445					• Consortium of L&T of India, LMZE of Russia and LMZE of India has been appointed as EPC Contractor. • Construction of project completed in all respects. • GT-1 test synchronized on 10/03/09 and also achieved COD on 04.06.09. • GT-2 test synchronized on 31/03/09 and also achieved COD on 04.06.09. • ST synchronized on 19th Sept'09 but tripped on 29th Sept'09 due to axial shift. Bearing vibrations are noticed and are being attended to rectify. • Expected full load by end Oct'09.	
	GT-1*	140	09/05 10/05	11/05	03/09(A) 05/09(A)	06/09(A)		
	GT-2*	140	12/05 01/06	02/06	03/09(A) 05/09(A)	06/09(A)		
	ST*	165	03/06 03/06	03/06	09/09 (A) 10/09	11/09		
	Orig. Est. Cost :	Rs. 138300 lakhs						
	Latest Ex. Cost :	Rs. 203500 lakhs						
	Expenditure upto 03/07	Rs. 142585 lakhs						
	During 2007-08 :	Rs. 25000 lakhs						
	During 2008-09 :	Rs. 25000 lakhs						
	During 2009-10 :	Rs. 11000 (upto 07/2009)						
	Financial Closure :	Achieved on 27.2.2004.						
	Date of Main :	EPC contract signed on 15.3.01						
	Plant Order							
	Fuel :	Gas/HSD						
2.	Lanco Kondapalli CCPP Expn. St-II (M/s Lanco Kondapalli Power Pvt. Ltd.) Distt.: Krishna	366					• GTG ordered on GE, USA HRSG ordered on Thermax India Ltd. • STG ordered on Harbin, China • All clearances including MOEF obtained. • Allocation of gas to be finalized. • FSA is yet to be signed. • S/yard erection completed. • Bypass Stack is ready. • Foundations for GT, GTG, S/Yard, HRSG, and Transformers are ready. • GT & GT Generator dispatched in 1/09 from USA & Japan respectively. • GT & GT Generator erection started in 03/09 and completed in 07/09. • Oil flushing completed. • GT is ready for synchronization and testing is in progress expected to be synchronized by Oct'09. • Erection of HRSG is in progress. • STG inspected at work place (china) in 6/09. • ST is dispatched from China and is expected to reach at site shortly. • ST foundations are ready. • ST erection is expected to commence in Oct'09. • ST is expected to be commissioned by Jan'10.	
	GT-1	233	03/09 04/09		10/09 10/09	10/09		
	ST	133	10/09 10/09		01/10 01/10	02/10		
	Orig. Est. Cost :	Rs. 118800 lakhs						
	Latest Ex. Cost :	Rs. 118800 lakhs						
	Expenditure							
	During 2007-08 :	Rs. 8760 lakhs						
	During 2008-09 :	Rs. 55473 lakhs (upto 12/2008)						
	During 2009-10 :							
	Financial Closure :	Achieved in Nov.,08						
	Date of Main :	11/07 (EPC)						
	Plant Order							
	Fuel :	Gas						

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Orig.		Act.(A)/As Now Exp.			
			Syn. Com	COD	Syn. Com	COD		
B.	PROJECTS INCLUDED IN 12TH PLAN							
II.	PROJECTS UNDER CONSTRUCTION							
	STATE SECTOR							
1.	Kakatiya ST- II TPP (APGENCO) Distt. Warangal	600					- Order for Main Plant placed on M/s BHEL on 13.10.08. - MOEF clearance obtained on 05.02.09. - Desein is the project consultant. - Draft BOP tender specification prepared by Desein is under scrutiny by APGENCO. - Tender notice for supply of BOP package issued. - Kick off meeting with BHEL held on 10.07.09.	
	Unit-1	600	05/12 06/12	07/12	05/12 07/12	09/12		
	Org. Est. Cost :	Rs. 296864 Lakhs						
	Latest Est. Cost :	Rs. 301900 Lakhs						
	Expenditure upto03/09 During 2009-10 :	Rs. 11300 lakhs Rs. 200 lakhs (Upto 06/09)						
	Zero date :	21.1.2009						
	Financial closure :	23.2.09						
Type of Fuel :	Coal							
Date of Main Plant Order :	Placed on BHEL on 13.10.08.							
2.	Krishnapatnam TPP (APPDCL) Distt.	1600					- PFC sanctioned a loan of Rs 4785.2 Crs and Kfw, Germany is financing to the extent of 281 M Euro. - Desein is the project consultant. - MOEF clearance obtained on 17.07.07. - BOP package awarded on Tata projects Ltd. on 10.02.09. - Engineering in progress.	
	Unit-1	800	08/12 -		08/12 10/12	12/12		
	Unit-2	800	02/13 -		02/13 04/13	06/13		
	Org. Est. Cost :	Rs 905200 Lakhs						
	Latest Est. Cost :	Rs 843200 Lakhs						
	Expenditure upto 3/09 During 2009-10 :	Rs. 91320 lakhs Rs. 89100 lakhs (Upto 06/09)						
	Sanction & Invest. Approval date:	28.1.06						
	Zero date :	23.9.2008						
	Financial closure :							
	Type of Fuel :	Coal						
	Date of Main Plant Order :	SG package: BHEL/ Alsthom on 25.7.08 TG package:L&T/MHI on 26.6.08.						

BROAD STATUS OF THERMAL POWER PROJECTS IN KARNATAKA

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas	
			Original		Actual(A) / As now Expected				
			Syn. Comm	COD	Syn. Comm	COD			
PROJECTS INCLUDED IN 11 TH PLAN									
I.	PROJECTS COMMISSIONED - Nil -								
II.	PROJECTS UNDER CONSTRUCTION STATE SECTOR								
1.	Bellary TPP Distt. : Bellary M/s Karnataka Power Corpn. Ltd	500					Unit-1 Synchronized on oil on 03.12.2007. Coal firing achieved on 25.03.2008. Full load achieved on 12 th Sept, 08. COD achieved on 30 th March, 2009.		
	Unit-1	500	12/06 02/07	03/07	12/07(A) 09/08(A)	03/09(A)			
	Sanctioning Authority		: State Govt.						
	Date of Approval by State Govt.		: 30.4.1998						
	Est. cost		: Rs.210000 Lakh						
	Exp. Up to 3/2004		: Rs. 19454.21 Lakh						
	Exp. during 2004-05		: Rs 23226.71 Lakh						
	Exp. during 2005-06		: Rs53022.03 Lakh						
	Exp.during 2006-07		: Rs 85607.39 Lakh						
	Exp. During 2007-08		: Rs.2950.29 Lakh						
	Exp. During 08-09		: Rs. 379.80 Lakh.						
	Exp. During 09-10 (Upto 08/09)		: Rs. 42.39 lakhs						
	Cumulative Exp.up to 08/09		: Rs. 184682.82 Lakh						
	Financial Closure		: 06.05.2004						
	Type of fuel		: Coal						
	Date of Main Plant Order (EPC)		: 17.11.2003						
	Zero Date		: 29.12.2003						
2.	Raichur TPP (M/s KPCL.) Distt. : Raichur	250					Standing Linkage Committee (SLC) has approved coal linkage of 1.01 MT /annum from M/s MCL vide order dtd.27.7.2006. Cooling Tower: Shell concreting completed. Pre-casting of internal columns and beams completed. Erection of columns in progress. Casting of hot water duct is in progress. Chimney Shell concreting 220 mts completed and internal brick lining completed. CW System: Construction of pump house and laying of hot & cold water pipe line are under progress. Boiler -Boiler erection started on 12.12.2007 and is in progress. -Boiler Drum (135 MT) lifted on 14.08.08. Boiler pressure parts erection is in progress. -Hydro Test achieved on 25.03.09. - BLU expected in Oct.,09 - ESP erection is under progress. -Erection of ID/FD Fans & Mills are in progress. TG -Condenser erection started on 05.01.09. -TG erection started on 24.01.09 and is in progress. - TG Box up is expected by Nov'09.		
	Unit-8	250	07/09 08/09	09/09	02/10 04/10	05/10			
	Sanctioning Authority		: State Govt.						
	Date of Approval by State Govt.		: 01.02.2003						
	Est. cost		: Rs. 92500 Lakh						
	Latest Cost		: Rs. 104 600 Lakh						
	Exp. during 2003-04		: Rs. 110.05 Lakh						
	Exp. during 2004-05		: Rs. 5.31 Lakh						
	Exp .during 2005-06		: Rs. 31.17 Lakh						
	Exp .during 2006-07		: Rs. 5369.43 Lakh						
	Exp. During2007-08		: Rs. 13442.09 Lakh						
	Exp. During 08-09 (up to 03/09)		: Rs 54507.47 Lakh						
	Exp. During 09-10 (up to 08/09)		: Rs. 18635.38 lakhs						
	Cumulative expenditure up to 08/09		: Rs 92100.9 Lakh						
	Financial Closure		: -----						
	Type of fuel		: Coal						
	Date of Main Plant Order (LOI)		: 29.09.06						
	LOA		: 03.03.07						
	Order		: BHEL (BTG)						
	Zero Date		: 30.03.2007						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
3.	Bellary TPP St-II Distt. : Bellary M/s Karnataka Power Corpn. Ltd	500					-All clearances have been obtained including MOEF. -. Standing Linkage Committee (Long Term) has approved the issuance of ‘Letter of Assurance’ from CIL/MCL source on 02.08. 07, and the same has been received on 25.09.08. - Boiler erection started on 17.11.08 and is in progress .Drum lifted on 06/04/09 HT expected in May’10. - ESP erection started on 19.10.08 and is in progress. - Foundation work of power house & fans completed and mills, bunker & GT are in progress. -Fabrication of power house, mills & bunkers columns is in progress. - Chimney – Shell concreting completed. - ND Cooling Tower – Shell completed. Balance works are in progress. - TG raft completed on 04.01.09. Bottom shuttering in progress.	1. Expediting of CHP works by BHEL. 2. Supply of TG by BHEL
	Unit-2	500	11/10 01/11	02/11	06/11 10/11	12/11		
	Date of TEC		: NA					
	Sanctioning Authority		: State Govt.					
	Date of Approval by State Govt.		: 15.06.2002					
	Est. cost		: Rs.226100 Lakh					
	Latest Cost		: Rs. 226100 Lakh.					
	Exp .during 2006-07		: Rs.19.87 Lakh					
	Exp. During 07-08		: Rs. 16773.19 Lakh					
	Exp. During 08-09 (up to 03/ 09)		: Rs.37594.43Lakhs					
	Exp.During 09-10 up to 08/09		: Rs. 6488.69 lakhs					
	Cumulative expenditure up to 08/ 09		: Rs. 60876.18 Lakh					
	Financial Closure		: -----					
	Type of fuel		: Coal					
	Date of Main Plant Order		: 31.08.06					
	Order		: BHEL (EPC)					
	Zero Date		: 19.09.2007					
PRIVATE SECTOR								
1.	Udupi TPP (M/s Udupi Power Corpn.Ltd. – Formerly M/s Nagarjuna Power Corpn. Ltd. – Company name changed on 8.2.08). Dist. Udupi	1015					-TCE is consultant for the project. -Chimney – (275 mtrs.) shell construction is in progress. NDCT1&2 - Construction is under progress. Boiler-1:- Structural erection started on 29.03.2008 and in progress. Drum lifted on 29.08.08 and HT conducted on 26.05.09. BLU expected in Oct,09. Boiler -2 :- Structural erection started on 24.09.2008 and in progress. Drum lifted on 22.02.09 and HT expected in Oct’09. ESP-1&2:- Erection is under progress. CHP : Track hopper area concreting completed . - Junction towers/crusher house/track hopper structural fabrication and erection is in progress. -CW Pump house erection under progress. TG: Unit-1 - Erection started on 03.12.08 and is in progress. - Box up is expected by Nov’09. Unit-2 - Erection started on 06.04.09 and is in progress. - Box up is expected by Jan’10.	Evacuation of power by 400 kV transmission line.
	Unit-1	507.5	12/09 01/10	02/10	01/10 04/10	05/10		
	Unit-2	507.5	04/10 05/10	06/10	04/10 06/10	08/10		
	Date of TEC		: 29.04.99.					
	Sanctioning Authority		: State Govt.					
	Date of Approval by State Govt.		:					
	Est. cost		: F.Fr.907.190 M + Rs.179269 Lakhs (1 US \$=Rs.42.00, 1 GBP = Rs.68.50, 1F.Fr.=Rs.7.20) (Rs.549599 Lakhs)					
	Latest Cost (04/07)		: USD 120 MM + Rs. 300200 Lakh= 429900 lakh					
	Exp. Up to March 2007		: Rs 54575.20 lakh					
	Exp. During 2007-08		: Rs. 41904.80 lakh					
	Exp. During 08-09(up to 03/ 09)		: Rs.155135 lakh.					
	Exp. During 09-10 (up to 08/ 09)		Rs.35093 lakh					
	Cumulative expenditure up to 08/2009		: Rs. 321522 lakh					
	Financial Closure		: 17.10.2006					
	Type of fuel		: Coal					
	Date of Main Plant Order		: 24.12.2006 M/S Lanco Infratech Ltd. (EPC) Boiler and TG: Order placed on M/s Dongfang Electric Corpn. (DEC), China on 21.04.2007.					
	Zero Date		: 26.12.2006					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
2.	Torangallu Ext. Project (M/s JSW Energy (Vijayanagar) Ltd. Distt: Bellary	600					Unit-1 -Boiler erection started on 23.04.2007. -Boiler Drum lifted on 04.11.2007. -Boiler hydro test conducted on 28.07.08. -Chemical cleaning completed on 19.11.08. - BLU achieved on 14.01.09. - SBO started on 19.02.09 and completed on 28.02.09. -All six coal bunkers erected and joints welding is in progress. - Condenser erection started on 03.01.2008. -TG erection started on 10.02.2008 and boxed up in 11/08. Unit synchronized on 29/03/09. Unit Commissioned on 23.04.09. COD expected in Sept,09. Unit-2 -Boiler erection started on 11.07.2007. -Boiler Drum lifted on 28.01.2008. -Boiler hydro Test conducted on 30.12.08. - Chemical cleaning completed on 05.06.09. -Boiler lighted up on 05/07/09 - SBO completed on 07/07/09. -Condenser erection started on 17.04.2008. -T.G. erection started on 23.05.2008 & boxed up on 30.04.09. Oil flushing completed on 30/06/09. Barring gear engaged on 02/07/09. Unit synchronized on 31/07/09. Unit Commissioned on 24.08.09. COD expected in Oct,09.	
Unit-1	300	07/08 08/08	09/08	03/09(A) 04/09(A)	10/09			
Unit-2	300	10/08 11/08	12/08	07/09(A) 08/09(A)	10/09			
Date of TEC		: N.A.						
Sanctioning Authority		: State Govt.						
Dt.of Approval by State Govt.		: ----						
Est. cost		: Rs. 186000 lakhs						
Latest Cost		: Rs. 186000 lakhs						
Expenditure upto 03/07		:Rs.23249 lakhs						
Expenditure during 07-08		:Rs.72641 lakhs						
Expenditure during 08-09		: Rs.62245 lakhs						
Expenditure during 09-10 (Upto 08/09)		: Rs12223 lakhs						
Cumulative expenditure up to 08/2009		: Rs.170358 lakhs						
Financial Closure		: Nov.,06						
Type of fuel		: Coal						
Date of Main Plant Order		: 20.06.2006 M/s Shanghai Electric Co., China						
Zero Date		20.07.2006						

BROAD STATUS OF THERMAL POWER PROJECTS IN TAMIL NADU

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/ As now Expected			
			Syn. Com	COD	Syn. Comm	COD		
A	PROJECTS INCLUDED IN 11 th PLAN							
I.	PROJECTS COMMISSIONED							
	STATE SECTOR							
	Valuthur GTPP, Phase-II TNEB (Distt. Ramanathapuram)	92.2					GT i) Gas turbine synchronized on 06.05.2008. ii) Full load achieved on 18.05.2008.	
	GT	59.8	11/07	12/07	05/08(A)	02/09 (A)	ST STG synchronized on 31.08.2008.	
	ST	32.4	02/08	03/08	08/08(A)	02/09(A)		
	Date of TEC	NA						
	Date of Sanction	05.04.2004						
	Sanctioning Authority	TNEB						
	Est. cost	Rs.35550 Lakhs						
	Expd.during 2006-2007	Rs 3550 Lakhs						
	Expd.during 2007-2008	Rs.20700 Lakhs						
	Expd.during 2008-2009	Rs 7100 Lakhs						
	Comm.Exp.upto 03/09	Rs 31350 Lakhs -						
	Exp. during 2009-10 (upto 06/2009)	Rs. 25 Lakhs						
	Type of fuel	Natural Gas						
	Date of Main Plant Order	29.05.2006 (EPC) on M/s BGR Energy Systems.						
II	PROJECTS UNDER CONSTRUCTION							
	STATE SECTOR							
1	Mettur TPS St-III TNEB (Distt. Salem)	600					1. Land is available. 2. TNEB permitted to draw 76 cusecs of raw water for St.-I,II &III from Cauvery River. 3. MOEF accorded approval on 20.09.2007. 4. M/s DCPL, Chennai is the consultant. 5. TNEB has proposed to avail loan from PFC. Chimney(Haygreeva Ltd.) – Construction of raft completed. NDCT(Haygreeva Ltd.) – Raft concreting completed. Const. of Raker column is in progress.	Placeme-nt of orders for BOPs
	U-1	600	06/11 08/11	09/11	05/11 07/11	09/11		
	Date of Sanction	: 01.08.2007						
	Sanctioning Authority	: Govt. of Tamil Nadu						
	Est. cost	: Rs 355004 Lakhs						
	Exp. During 2007-2008	: Rs - NIL- Lakhs						
	Exp. during 2008-2009	: Rs 3869 Lakhs						
	Exp. during 2009-2010 (upto 08/2009)	: Rs 7235 Lakhs						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 25.06.2008 (EPC) on M/s BGR Energy- System Ltd. / M/s DEC						
	Zero Date	: 25.06.2008						
	FUEL LINKAGE : 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.							
	BOILER							
	Site leveling completed Boiler erection to start in 01/2010.							

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/ As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
2	North Chennai TPS St-II TNEB (Distt. Thiruvallur)	1200					i) Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 19.01.2008. Main Plant order (EPC) Placed on M/s BHEL on 18.02.2008.	1)Finalis atio-n of loan agree-ment for Unit-I. 2)Pla-ceme-nt of orders for BOPs 3) Suppl-y of Turbin-e Modul-es by BHEL
	U-1	600	02/11 04/11	05/11	05/11 07/11	09/11	ii) CHP: (M/s Tecpro) Extention work of conveyor from existing stage – I bunker floor to stage-II is expected to start in 08/2009.	
	Date of Sanction	: 12.12.2005					iii) Chimney : (M/s Lanco) Shell concreting started on 26.08.2009 Out of 275 Mt height, 8Mt completed upto 08/20009 Flue can fabrication is in progress.	
	Sanctioning Authority	: Govt. of Tamil Nadu					iv) Boiler (M/s EDAC) Erection commenced on 1.06.2009. Out of 25000 MT of boiler material, 1158MT have been erected upto 08/2009.	
	Org. Est. cost	: Rs.339800 Lakhs					V) ESP erection commenced on 05.06.2009.Out of 8000 MT of ESPmaterial, 438 MT have been erected upto 08/2009	
	Latest Est. cost	: Rs.309529 Lakhs						
	Expd.during 2007-2008	: *						
	Expd.during 2008-2009	: *						
	Expd.during 2009-2010 (upto 09/09)	: *						
	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) 2.31MTPA coal linkage from Mahanadi Coal fields was approved vide LOA dt 23.03.2007 for 500MW. LOA for balance 700MW i:e 3.77MTPA is yet to be received. <u>Evacuation of power</u> SRPC approved following 400KV feeders on 06.03.2009. i) NCTPS St-II – Alamathi 400KV D/C line (37 Kms) ii) NCTPS St-II – Sunguvachatram 400KV D/C line (70 Kms) D/C link between Vallur TPS and NCTPS available. TNEB is in process of evolving estimate for these lines. * Funding arrangement has been signed between REC, BHEL and TNEB. Procedural formalities are under finalization. Expenditure shall be booked thereafter.							
	North Chennai TPS St-II TNEB (Distt. Thiruvallur) U-2	600	08/11 10/11	11/11	08/11 11/11	01/12	i) Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 27.06.2008. ii) 5% initial advance of Rs 108.75 Cr released to BHEL on 16.08.2008. The second 5% advance has been released on 30.03.2009 to BHEL.	
	Date of Sanction	: 25.06.2008					iii) Letter of Intent (LOI) sent to BHEL on 04.09.2008	
	Sanctioning Authority	: Govt. of Tamil Nadu					iv) Boiler (M/s UB Engg.) Erection started on 31.07.2009.Out of 25000 MT of boiler material, 390 MT have been erected upto 08/2009 Boiler drum lifting expected in 12/2009	
	Est. cost	: Rs.271875 Lakhs					v) ESP erection started on 10.08.2009.Out of 8000 MT of ESP material, 270 MT have been erected upto 08/2009	
	Exp during 2008-09	: Rs 21750 Lakhs						
	Exp. during 2009-10 (upto 08/2009)	: Rs 18649 Lakhs						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 16.08.2008 (EPC) on BHEL						
	Zero Date	: 16.08.2008.						

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/ As now Expected			
			<u>Syn. Comm</u>	COD	<u>Syn. Comm</u>	COD		
	PRIVATE SECTOR							
	Coastal Energen Pvt Ltd TPP (Distt. Tuticorin) T.N.	1200						
	U-1	600	12/2011		12/2011			
	U-2	600	03/2012		03/2012			
	Date of Sanction	: 10.09.2007						
	Date of financial closure	: 02.07.2009						
	Org. Est. cost	: Rs.480000 Lakhs						
	Latest Est. cost	: Rs.480000 Lakhs						
	Expd.during 2007-2008	:						
	Expd.during 2008-2009							
	Expd.during 2009-2010 (upto 9/09)	:						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 25.02.2009 (BTG) on M/s Harbin - - Power Engg. Co.						
	Zero Date	: 06.08.2009						

BROAD STATUS OF THERMAL POWER PROJECTS IN ORISSA

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/ As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
	PRIVATE SECTOR							
1.	Sterlite TPP. (M/s Sterlite Energy Ltd.) Distt : J/harsuguda.	2400					a) Full 461 acres of land required for plant facility had been acquired, 633 acres of land required for Ash Pond is in advanced stage of acquisition. b) NOC received from Orissa Pollution Control Board on 21.09.2006. MOEF clearance received on 07.12.2007. c) Applied for coal linkage to MOC but allocation not yet received. d) EPC contract awarded to SEPCO-III. Advance of Rs 56300 Lakhs paid for all the 4 units. Contractor had mobilized at site and started pre- construction activities. e) First Unit (Unit-2) : Boiler drum lifted on 02.03.2008. TG erection started in 08/08. Boiler Hyd. Test completed on 28.07.09. TG box up expected to be completed by Oct., 09. CT shell casting completed. BLU expected in 11/09. f) Second unit (Unit-1): Boiler drum lifted on 26.04.08. TG erection started in 11/08 and is in progress. CT shell casting completed. HT expected in 10/09. g) Unit-3: Boiler drum lifted on 09.06.2008. HT expected in 01/10. h) Unit-4: Boiler drum lifted on 23.11.2008. 1200 welding joints completed. HT expected in 04/10. i) Civil work in CHP area is in progress. j) Switchyard erection of all equipments for Unit-2 completed. ICT-1 testing completed. Erection of equipments for other units in progress. k) Chimney: shell casting completed for both chimneys. Flue can erection for first unit completed. Work is in progress for other units. l) 4.5 km of double circuit line from switchyard to their captive power plant will be ready shortly. m) Double circuit from CPP to Budipada station ready for evacuation of power from first unit into state grid.	Land acquisition for ash pond. -Coal linkage for Unit-3&4. -Tapering linkage for U-2 -Letter of use for water from State Govt. Developme nt of coal block for unit-2. Readiness of 30 km 400 kV double circuit line form project site to PGCIL line.
	First Unit (Unit-2)	600	<u>12/08</u> 01/09	02/09	<u>12/09</u> 02/10	03/10		-Coal linkage for Unit-3&4.
	Second unit (Unit-1)	600	<u>03/09</u> 04/09	05/09	<u>03/10</u> 05/10	06/10		-Tapering linkage for U-2
	Unit-3	600	<u>06/09</u> 07/09	08/09	<u>06/10</u> 08/10	09/10		-Letter of use for water from State Govt.
	Unit-4	600	<u>09/09</u> <u>10/09</u>	11/09	<u>09/10</u> 11/10	12/10		Developme nt of coal block for unit-2.
	Financial Closure :	Achieved in 12/2008.						Readiness of 30 km 400 kV double circuit line form project site to PGCIL line.
	Estimated Cost :	Rs. 766900 lakhs						
	Exp. during 2005-06	Rs.0.00 lakhs						
	2006-07	Rs.60114 lakhs						
	2007-08	Rs.82300 lakhs						
	2008-09	Rs.71928 lakhs (upto 17.10.08)						
	Type of fuel :	Coal						
	Date of main plant order :	10.05.2006 , EPC contract on M/s Shangdong Electric Power-Corp. (SEPCO-III) -China						

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/ As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
2.	Kamalanga TPP (GMR Kamalanga Energy Ltd.) Distt: Dhenkenal, Orissa Unit-1 Unit-2 Unit-3	1050 350 350 350					Order placed on SEPCo. 1, China on 27.08.08.	
	Dated of Main Plant Order :	27.08.08 on SEPCo.I, China						
3.	Derang TPP (JITPL) Distt: Angul, Orissa Unit-1 Unit-2	1200 600 600					Order placed on BHEL on 07.04.09.	
	Date of Main Plant Order:	07.04.09				-		
	Zero Date:	26.06.09				-		

BROAD STATUS OF THERMAL POWER PROJECTS IN WEST BENGAL

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/As now expected			
			Syn. Commn.	COD	Syn. Commn.	COD		
PROJECTS COMMISSIONED								
STATE SECTOR								
1	Santaldih TPP (West Bengal Power Development Corpn. Ltd.) Distt.Purulia	250					a) Unit Synchronised on 7 th Nov'07. Coal firing achieved on 01.04.2008. b) Unit declared on COD w.e.f 01.04.09.	
	Unit-5*	250	01/07 03/07	04/07	11/07 (A)	4/09(A)		
	Date of TEC :	Not Required						
	Sanctioning Authority :	State Govt, West Bengal						
	Original Cost :	Rs. 106170 lakhs						
	Latest Est. Cost :	Rs. 143000 lakhs						
	Expnd.Upto Mar'07 :	Rs.86100 Lakhs						
	Expenditure During 2007-08	Rs.23000 lakhs.						
	During 2008-09 (upto 25.07.08) :	Rs.3000 Lakhs.						
	Type of Fuel :	Coal						
	Funding :	REC						
	Date of Main Plant Order :	27/07/04 (Turnkey) on BHEL						
	* Unit slipped from 10 th plan.							
2	Durgapur TPS Extn. (The Durgapur Projects Ltd) Distt. Burdwan	300					Unit Synchronised on 24.11.07 .Coal firing started on 29.12.07. The full load achieved in April'08.Unit was declared on commercial operation w.e.f 30 th April 2008.	
	Unit-7*	300	01/07		11/07 (A)	04/08 (A)		
	Est. Completed Cost	: Rs.114133.55 Lakhs						
	Latest Est. Cost	: Rs 135000 Lakhs						
	Expnd. Upto Mar'06	: Rs.34678 Lakhs						
	Expenditure during 2006-07 (upto Mar'07)	: Rs. 64722 lakhs						
	Expenditure during 2007-08 (upto Nov,2007)	: Rs. 16000 lakhs						
	Cumulative expenditure (upto April'08) since inception	: Rs128400 lakhs						
	Type of Fuel	:Coal						
	Funding	:PFC						
	Date of Main Plant Order	:27/07/04 on M/s Dong Fang Electric Corporation, China.						
3	Sagardighi TPP (West Bengal Power Development Corpn. Ltd.) Distt. Murshidabad	600					Unit-1: Synchronization with oil on 21 st Dec'07. Coal firing completed on 07.03.08. Full load achieved on 07.03.2008. COD achieved w.e.f 01.09.08. Unit-2:Synchronization completed on 20.07.08. Coal firing completed on 20.07.08. Trial run completed on 18.10.2008. Unit declared on COD w.e.f 4 th Nov'08.	
	Unit-1*	300	01/07	-	12/07 (A)	09/08(A)		
	Unit-2	300	04/07	-	7/08(A)	11/08(A)		
	Date of TEC :	26.03.03						
	Sanctioning Authority :	West Bengal Govt.						
	Orig. Cost of the Project	Rs. 205710 Lakhs						
	Latest Est. Cost :	Rs.275000 Lakhs						
	Expnd. Up to March'07 :	Rs.170000 Lakhs						
	Total Expenditure during 2007-08 during 2008-09(upto 25.07.08.)	Rs 45000 lakhs Rs.15000 lakhs.						
	Type of Fuel :	Coal						
	Funding : Date of	PFC						
	Main Plant Order :	27.07.04 (Main Plant-Turn Key Package) on M/s Dong Fang Electric Corporation, China.						

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/As now expected			
			Syn. Comm	COD	Syn. Comm	COD		
2.	Bakreswar TPS Extn. (West Bengal Power Development Corpn. Ltd.) Dist. : Birbhum	420					a) Order for Boiler, its auxiliaries, Generators, Condensers, LP/HP Heaters, all power cycle piping including BFPs, CEPs, Ash Handling System and complete Raw Water, Clarified & DM Water Systems was placed on M/s BHEL on 30.11.04. b) Order for Steam Turbine, Generator Transformers, UATs, Bus Duct was placed on M/s ITOCHU Corpn. Japan on 30.11.04. c) For cooling tower-2, civil works are in progress. d) Bottom Ash hopper erected. Ash slurry p/h raft completed. Ash slurry pipeline civil works in progress. Unit- 4: i) Synchronization with oil on 23rd Dec'07. Coal firing completed on 31.03.08. Full load achieved on 31.03.08. COD declared w.e.f 08.03.09. Unit-5: i) i) Unit synchronized (coal) on 30.03.09. Full load achieved on 07.06.09. COD declared on 27.06.09.	
	Unit-4*	210	<u>03/07</u> <u>06/07</u>	07/07	<u>12/07(A)</u>	<u>3/09(A)</u>		
	Unit-5	210	<u>06/07</u> <u>09/07</u>	10/07	<u>03/09(A)</u> <u>06/09</u>	<u>6/09(A)</u>		
	Date of Sanction		: N.A.					
	Original Approved Cost		: Rs 152300 Lakhs					
	Latest Est. Cost		: Rs 210000 Lakhs					
	Expenditure Up to Mar'07		: Rs 117000 Lakhs					
	Expenditure during 2007-08 2008-09 (Upto 25.07.08)		Rs.50500 Lakhs : Rs.2000 Lakhs.					
	Type of Fuel		: Coal					
	Funding		: JBIC, Japan					
Date of Main Plant Order		: 30/11/04 (M/s ITOCHU, Japan for Steam Turbine & Gen. Transformers and M/s BHEL for Boiler & its Auxiliaries, Generators, Condensers, Ash Handling System, Water Systems etc.)						
PRIVATE SECTOR								
1	BUDGE-BUDGE TPS Extn. (M/S CESC Ltd..)	250					a).Main plant order (EPC contract) placed on M/S BHEL on 18.12.2006 for contractual value of Rs 854 Crs. excluding switch yard and chimney. b).Switch yard : Order has been placed on M/S Siemens Ltd on 03.01.2007 c).Boiler erection started on 10.08.2007. Boiler drum lifted in 02/08. Hydro Test completed on 29.09.08. BLU completed on 19.03.09. Steam blowing operations started on 01.06.09. d).Coal synchronization with 2 mills was completed on 03.08.09. e).Full load achieved on 29/09/09.	Signing of FSA
	Dist. : South Paraganas.							
	Unit-3	250	<u>04/09</u> <u>05/09</u>	06/09	<u>07/09(A)</u> <u>09/09(A)</u>	10/09		
	Estimated cost.		:Rs. 106800 Lakhs					
	Expend. During 05-06		: Rs.109 lakhs					
	Expend. During 06-07		: Rs.9686 lakhs					
	Expend. During 07-08		: Rs.18063 lakhs					
Expend. During 08-09		: Rs.42410 lakhs						
Expend. During 09-10 (up to 28.07.09)		: Rs.4387 lakhs						
Cumulative Expend. (upto 28.07.09)		: Rs.74967 lakhs						
Type of fuel		: Coal						
Date of Main Plant Order : 18/ 12/06 (EPC on M/S BHEL)								

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A)/As now expected			
			Syn. Com.	COD	Syn. Com.	COD		
II PROJECTS UNDER CONSTRUCTION STATE SECTOR								
1.	Santaldih TPP (West Bengal Power Development Corpn. Ltd.) Distt.Purulia	250					- Boiler erection commenced on 25/04/08 and is in progress. Pressure parts erection in progress. - Boiler drum lifted on 02nd Oct'08. - Boiler hydraulic test is expected by Nov'09.Around 2500 HP joints are still to be completed for HT. Power House: Civil foundation completed. 23 columns out of 40 have been erected. CW PH raft casting in progress. 3 Nos BFP foundation & oil cooler pits complete. - Mill Bunker column foundations, Mill equipment foundations, Bunker column supporting structure work is in progress. - TG deck casting completed in Feb'09. TG erection started and grouting of bearing pedestal are in progress. Chimney shell casting ompleted.Flue can erection is in progress. ESP: Erection is in progress. Cooling Tower: Wall casting is in progress. 6 cells completion expected by Nov'09. CW Pump house: CW pump house raft casting is in progress.	Pressure parts mat-erial supply from BHEL,Trichy. Law & Order pro-blem at site.
	Unit-6	250	07/09 08/09	09/09	03/10 04/10	05/10		
	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 :		23 rd 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 .					

BROAD STATUS OF THERMAL POWER PROJECT IN ASSAM

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Present Status	Critical Areas
			Original		Actual/As now expected			
			Syn Com	COD	Syn Com	COD		
PROJECT UNDER CONSTRUCTION STATE SECTOR								
1.	Lakwa Waste Heat Recovery Project (Assam Power Generating Company Ltd.) Distt. : Sibsagar (Assam) APGCL	37.2					- Boiler erection team mobilized at site in Aug'07. Erection of HRSG-1 & 2 commenced on 15th Nov'08 and 07th February'08 respectively. - Drum lifting for HRSG-I & II completed in June'09 and Feb 2009 respectively. - Casting of foundation raft and pedestals is completed in the By Pass stack area of HRSG-III. - Hydro Test of HRSG I & II is expected in 10 / 09 and of HRSG III in 11/ 09 ST - TG deck raft casting completed. - TG erection expected to start in 10/09. - Excavation in raw & clarified water reservoir area and piling in pump house area is in progress. - New Sub-contractor of BHEL “ M/s Raj shekhar Const. Pvt. Ltd started civil work . BOPs: - EPC contract for Raw water intake pump house & Raw water piping from river Desang to Lakwa TPS has been signed on 16.07.07 with M/s Sontosh Sahewalla, Sivasagar - Orders for DM plant, PT plant, Cooling Tower placed. works are in progress. - Concreting work in Cooling Tower has been completed.	i) Replace-ment of station Trans-former ii) Finalisa-tion of agency for Steam turbine erection iii) Readin-ess of DM plant.
	ST	37.2	04/08 05/08	06/08	03/10 05/10	07/10		
	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 4209.47 Lakhs.					
	Expd. during 2007-08		: Rs. 6800.99 Lakhs					
	Expd. during 2008-09		: Rs. 6204.60 Lakhs					
	Expd. during 2009-10 (upto 08/09)		: Rs. 932.94 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					

BOPs:

- EPC contract for Raw water intake pump house & Raw water piping from river Desang to Lakwa TPS has been signed on 16.07.07 with M/s Sontosh Sahewalla, Sivasagar
- Orders for DM plant, PT plant, Cooling Tower placed. works are in progress.
- Concreting work in Cooling Tower has been completed.

BROAD STATUS OF NAMRUP REPLACEMENT POWER PROJECT

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. comm	COD	Syn. comm	COD		
II	PROJECT UNDER CONSTRUCTION							
1.	Namrup CCGT Distt:Dibrugarh (Assam) APGCL	100					- 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. NBPPL have awarded the contract for soil Investigation to M/s CE Testing Co. Pvt. Ltd. Kolkata. Work commenced on 22.08.2009.	•
	GT	70	10/2011	01/2012	10/2011	01/2012		
	ST	30	11/2011	01/2012	11/2011	01/2012		
	Date of Approval by State Govt.							
	Org. Est. cost							
	Latest cost							
	Exp. During 08-09 (Up to 03/09)							
	Type of fuel							
	Fuel Source							
	Date of Main Plant Order (LOI)		: 31.12.2008 M/s BHEL					
	Zero date of the project		: 09.02.2009					
	Power Evacuation							

BROAD STATUS OF BARAMURA EXTN. GTG POWER PROJECT

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. comm	COD	Syn. comm	COD		
II	PROJECT UNDER CONSTRUCTION							
1.	Baramura Extn GTG Project Distt: Agartala (Tripura) TSECL	21						
	GTG	21	11/2009		11/2009			
	Date of Approval by State Govt.							
	Org. Est. cost							
	Latest cost							
	Exp. During 08-09		: Rs 4080.70 Lakhs					
	Exp. During 09-10 (Upto 07/2009)		: Rs 300 Lakhs					
	Type of fuel							
	Fuel Source							
	Date of Main Plant Order LOI		: 19.03.2008 (EPC) on M/s BHEL					
	Zero date of the project							
	Power Evacuation							