



भारत सरकार
विद्युत मंत्रालय

GOVERNMENT OF INDIA
MINISTRY OF POWER

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

NOVEMBER - 2012



ताप विद्युत परियोजना प्रबोधन प्रभाग
केन्द्रीय विद्युत प्राधिकरण
नई दिल्ली

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

FOREWORD

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

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

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

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

New Delhi
Dated: 30th November, 2012

(Mam Chand)
Chief Engineer (I/c) (TPM)

Disclaimer

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

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1.0 11TH PLAN CAPACITY ADDITION PROGRAMME

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

Thermal	Hydro	Nuclear	Total
59693	15627	3380	78700

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

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	14920.0	2922	3380	21222.0
STATE	18501.4	2854	0	21355.4
PRIVATE	17335.5	2461	0	19796.5
TOTAL	50756.9	8237	3380	62373.9

1.3 TOTAL CAPACITY COMMISSIONED DURING 2007-08 (MW)

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

1.4 TOTAL CAPACITY COMMISSIONED DURING 2008-09 (MW)

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

1.5 TOTAL CAPACITY COMMISSIONED DURING 2009-10 (MW)

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

1.6 TOTAL CAPACITY COMMISSIONED DURING 2010-11 (MW)

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

1.7 TOTAL CAPACITY COMMISSIONED DURING 2011-12 (MW)

SECTOR	THERMAL	HYDRO	NUCLEAR	TOTAL
CENTRAL	4570.0	200	-	4770.0
STATE	3638.2	123	-	3761.2
PRIVATE	10870.5	1100	-	11970.5
TOTAL	19078.7	1423	-	20501.7

1.0 (A) 12TH PLAN CAPACITY ADDITION PROGRAMME

Thermal	Hydro	Nuclear	Total
72330	10897	5300	88527

2.0 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2007-2008

Sl No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Schedule	Actual date of Comm.	Cap. Added (MW)
A	CENTRAL SECTOR							
1	Bhilai TPP	Chhattisgarh / NTPC & SAIL JV	U-1 U-2	250 250	03/2009	04/2008 10/2008	Slipped	
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2004	06/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-4 U-5	500 500	12/2003	10/2007 04/2008	27.05.07(A) U-5 Slipped	500
4	Kahalgaon STPS-II (Ph-I & II)	Bihar/NTPC	U -6 U -7	500 500	07/2003 03/2004	09/2007 07/2007	16.03.08(A) U-7 slipped	500
5	Ratnagiri Gas Power Project	Mah. /Ratnagiri Gas & Power Pvt. Ltd.	Block-3	740	05/1999	01/2007	28.10.07(A)	740
6.	Mejia TPS	West Bengal/DVC	U-6	250	06/2004	04/2007	01.10..07(A)	250
7.	Chandrapura TPS Extn	Jharkhand / DVC	U- 7 U- 8	250 250	06/2004	02/2007 04/2007	Project Slipped	
		Sub Total (A)		4650				1990
B	STATE SECTOR							
1.	GHT (Lehra Mohabbat)TPS-II	Punjab/ PSEB	U-3 U-4	250 250	03/2004	10/2006 01/2007	03.01.08(A) U-4 Slipped	250
2.	Dholpur CCPP (Ph-I)	Rajasthan /RRVUNL	GT-2 ST	110 110	06/2004	07/2006 12/2006	16.06.07(A) 27.12.07(A)	110 110
3	Korba East TPP St-V	Chhattis./ CSEB	U-2	250	08/2003	06/2007	11.12.07(A)	250
4	Dhuvaran CCPP Extn.	Gujarat/GSECL	ST	40	03/2004	01/2006	13.08.07(A)	40
5	Kutch Lignite Extn	Gujarat/GSECL	U-4	75	01/2004	08/2006	Slipped	
6	Rayalaseema TPS-II	AP/APGENCO	U-4	210	12/2003	03/2007	20.11.07(A)	210
7	Bellary TPP	Karnataka/ KPCL	U-1	500	11/2003	12/2006	03.12.07(A)	500
8	Santalidih TPP	WB / WBPDC	U-5	250	07/2004	01/2007	07.11.07(A)	250
9	Sagardighi TPP	WB / WBPDC	U-1 U-2	300 300	07/2004	01/2007 04/2007	21.12.07(A) U-2 Slipped	300
10	Bakreshwar TPS-II	WB / WBPDC	U-4 U-5	210 210	11/2004	06/2007 09/2007	23.12.07(A) U-5 Slipped	210
11	Yamuna Nagar TPP	Haryana/HPGCL	U-1 U-2	300 300	09/2004	10/2007 01/2008	13.11.07(A) 29.03.08(A)	300 300
12	AmarkantakTPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	Slipped	
13	Valuthur CCPP Extn.	TN/TNEB	GT ST	60 32.2	05/2006	11/2007 02/2008	Slipped	
14	Durgapur TPS Extn.	WB/DPL	U-7	300	07/2004	01/2007	24.11.07(A)	300
15	Sanjay Gandhi TPP Extn. St.III (Birsinghpur)	MP/MPPGCL	U-5	500	08/2003	09/2006	18.06.07(A)	500
16	Paras TPS Extn	Maharastra/MSPGCL	U-1	250	05/2004	11/2006	31.05.07(A)	250
		Sub Total (B)		5017.2				3880
C	Private Sector							
1.	OP Jindal (Raigarh)TPP Ph.I & II	Chhattis./Jindal Power	U-1 U-2 U-3 U-4	250 250 250 250	06/2004	05/2007 09/2007 12/2007 04/2008	02.09.07(A) 06.03.08(A) 10.02.08(A) U-4 slipped	250 250 250
2.	Sugen CCPP	Gujarat /Torrent Power Gen. Ltd.	Block-1 Block-2 Block-3	376 376 376	06/2005	09/2007 12/2007 02/2008	Slipped	
3	Gautami CCPP	AP/ Gautami Power Ltd.	GT -1 GT- 2 ST	145 145 174	09/2003	02/2006 02/2006 07/2006	slipped	
4	Konaseema CCPP	AP/Konaseema EPS	GT-1 GT-2 ST	140 140 165	03/2001	10/2005 03/2006 03/2006	Slipped	
		Sub Total ©		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. MW	LOA Date	Org. Comm. Schedule	Actual date of Comm.	Cap. Added (MW)
A	CENTRAL SECTOR							
1	Bhilai Extn. TPP	Chhattisgarh / NSPCL (NTPC & SAIL JV)	U-1 U-2	250 250	03/2009	04/2008 10/2008	20.04.08(A) Slipped	250
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2004	06/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-5	500	12/2003	04/2008	27.12.08(A)	500
4	Kahalgao STPS-II (Ph-I & II)	Bihar/ NTPC	U -7	500	03/2004	07/2007	Slipped	
5	Chandrapura TPS Extn	Jharkhand / DVC	U- 7 U- 8	250 250	06/2004	02/2007 04/2007	Slipped Slipped	
6	Barsingsar Lignit	Rajasthan/ NLC	U-1 U-2	125 125	12/2005	12/2008 06/2009	Slipped Slipped	
		Sub Total (A)		2910				750
B	STATE SECTOR							
1.	GHTP(Lehra Mohabbat)TPS-II	Punjab/ PSEB	U-4	250	03/2004	01/2007	31.07.08(A)	250
2	Kutch Lignite Extn	Gujarat/ GSECL	U-4	75	01/2004	08/2006	Slipped	
3	Sagardighi TPP	WB / WBPDC	U-2	300	07/2004	04/2007	20.07.08(A)	300
4	Bakreshwar TPS-II	WB / WBPDC	U-5	210	11/2004	09/2007	Slipped	
5	Valuthur CCPP Extn.	TN/TNEB	GT ST	59.8 32.4	05/2006	11/2007 02/2008	06.05.08(A) 16.02.09(A)	59.8 32.4
6	Amarkantak TPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	15.06.08(A)	210
7	Giral Lignite- II	Rajasthan/ RRVUNL	U-2	125	11/2005	08/2008	Slipped	
8	Chhabra TPS	Rajasthan/ RRVUNL	U-1 U-2	250 250	03/2006	11/2008 02/2009	Slipped Slipped	
9	Surat Lignite TPP Extn.	Gujarat/ GIPCL	U-3 U-4	125 125	03/2006	11/2008 04/2009	Slipped Slipped	
10	Kota TPP	Rajasthan/ RRVUNL	U-7	195	06/2006	02/2009	Slipped	
11	Suratgarh TPP –IV	Rajasthan/ RRVUNL	U-6	250	06/2006	09/2008	Slipped	
12	Vijaywada TPP –IV	AP/ APGENCO	U-1	500	07/2005	12/2008	Slipped	
		Sub Total (B)		2957.2				852.2
C	Private Sector							
1	OP Jindal (Raigarh)TPP Ph.I & II	Chhattis./Jindal Power	U-4	250	06/2004	04/2008	17.06.08(A)	250
2.	Sugen CCPP *	Gujarat /Torrent Power Gen. Ltd.	Block-1 Block-2 Block-3	376 376 376	06/2005	09/2007 12/2007 02/2008	04.02.09 (A) Slipped Slipped	382.5
3	Gautami CCPP	AP/ Gautami Power Ltd	GT -1 GT- 2 ST	145 145 174	09/2003	02/2006 02/2006 07/2006	Slipped	
4	Konaseema CCPP	AP/Konaseema EPS	GT-1 GT-2 ST	140 140 165	03/2001	10/2005 03/2006 03/2006	Slipped	
5	Pathadi TPS Ph-I (Lanco - Amarkantak Mega TPP)	Chattisgarh/ Lanco Amarkantak Power Pvt. Ltd.	U-1	300	05/2005	09/2008	Slipped	
6	Trombay TPS Extn.	Maharashtra/ Tata Power Co	U-8	250	06/2006	08/2008	26.03.09(A)	250
7	Torangallu Extn.	Karnataka/ JSW Energy Ltd	U-1 U-2	300 300	07/2006	12/2008 01/2009	Slipped Slipped	
		Sub Total (C)		3437				882.5
	GRAND TOTAL(A+B+C)			9304.2				2484.7

- Capacity has been revised from 376 to 382.5 MW.

2.2 THERMAL UNITS PROGRAMMED FOR COMMISSIONING DURING 2009-10

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

Sl No	Project Name/ Unit No.	State/ Impl. Agency	Targeted Cap. (MW)	LOA Date	Org. Comm. Schedule	Cap. (MW) Achieved	Anticipated /Actual Date of Comm.
5	Mundra TPP Ph-1 U-1 U-2	Gujarat/ Adani Power Ltd	330 330	06/20 06	07/2009 10/2009	330 330	04.08.09(A) 17.03.10(A)
6.	Sugen CCPP Block-2 Block-3	Gujarat /Torrent Power Gen. Ltd.	382.5 382.5	06/200 5	12/2007 02/2008	382.5 382.5	07.05.09(A) 08.06.09(A)
7	Torangallu Extn. U-1 U-2	Karnataka/ JSW Energy Ltd	300 300	07/20 06	12/2008 01/2009	300 300	27.04.09(A) 24.08.09(A)
8	Sterlite TPP U-1	Orissa/ Sterlite Energy Ltd.	600	05/200 6	07/2009	1577	Slipped
9	Jallipa-Kapurdi TPP U-1 U-2 U-3 U-4	Rajasthan/ Raj West Power Ltd (JSW)	135 135 135 135	03/20 07	09/2009 01/2010 01/2010 03/2010	135 ----- ----- -----	16.10.09(A) Slipped Slipped Slipped
10	Budge- Budge-III U-3	WB/ CESC	250	12/20 06	07/2009	250	29.09.09(A)
		Sub Total (C)	5290			3987	
		TOTAL ASSURED (A+B+C)	10359			7956/ 9056	
II	COMMISSIONING WITH EFFORTS						
A	CENTRAL SECTOR						
1	Barsingsar Lignite U-2	Rajasthan/ NLC	125	12/2005	06/2009	----	Slipped
2	Mejia Extn. U-1	W.B/DVC	500	12/200 6	03/2010	----	Slipped
		Sub Total (A)	625				
B	STATE SECTOR						
1	Kakatiya TPP U-1	AP/ APGENCO	500	07/200 5	05/2009	-----	Slipped
2	Surat Lignite TPP Extn. U-4	Gujarat/ GIPCL	125	03/200 6	04/2009		Slipped
3	Rajiv Gandhi TPS, Hissar U-2	Haryana/ HPGCL	600	01/20 07	03/2010	-----	Slipped
4	Chhabra TPS U-2	Rajasthan/ RRVUNL	250	03/2006	02/2009		Slipped
		Sub Total (B)	1475			----/----	
C	PRIVATE SECTOR						
1	Rithala CCPP GT1	Delhi/ NDPL	35.75	05/200 8	04/2010	-----	Slipped
	GT2	Delhi/ NDPL	35.75		05/2010	-----	Slipped
	ST	Delhi/ NDPL	36.50		07/2010	-----	Slipped
2	Jallipa-Kapurdi TPP U-5	Rajasthan/ Raj West Power Ltd (JSW)	135	03/20 07	07/2010	-----	Slipped
3	Rosa TPP Ph-I U-1	UP/ Rosa Power supply Co. Ltd. (Reliance Energy)	300	03/200 8	02/2010	300	10.02.2010(A)
		Sub Total (C)	543			300	
		TOTAL COMMISSIONING WITH EFFORTS (A+B+C)	2643			300	
		TOTAL (ASSURED+ WITH EFFORTS	13002			9106	

2.3 THERMAL UNITS PROGRAMMED FOR COMMISSIONING DURING 2010-11

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

28	Rithala CCPP	NDPL	GT-1	05/2008	35.75	04/2010	35.75	09.12.10(A)
			GT-2		35.75	05/2010	35.75	04.10.10(A)
			ST		36.5	07/2010		Slipped
29	Mundra TPP Ph-I(U-3&4)	Adani Power Ltd	U-3	03.01.07	330	04/2010	330	02.08.10(A)
			U-4		330	07/2010	330	20.12.10(A)
30	Mundra TPP Ph-II	Adani Power Ltd	U-5		*	06/2011	660	26.12.10(A)
31	Anpara-C	Lanco Anpara Power Pvt. Ltd.	U-1	15.11.07		02/2011		Slipped
32	JSW Ratnagiri TPP	JSW Energy(Ratnagiri) Ltd	U-1	05.10.07	300	03/2010	300	24.08.10(A)
			U-2		300	05/2010	300	09.12.10(A)
			U-3		300	07/2010		Slipped
			U-4		300	09/2010		Slipped
33	Wardha Warora	WPCL (KSK)	U-1*	15.05.07	*	03/2010	135	05.06.10(A)
			U-2 *		*	05/2010	135	10.10.10(A)
			U-3 *		*	07/2010	135	13.01.11(A)
34	Sterlite TPP	Sterlite Energy Ltd.	U-2(Ist Unit)	10.05.06	600	07/2009	600	14.10.10(A)
			U-1		600	01/2010	600	29.12.10(A)
35	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	U-2	03/2007	135	11/2009	135	08.07.10(A)
			U-3		135	01/2010		Slipped
			U-4		135	03/2010		Slipped
			U-5		135	07/2010		Slipped
			U-6		135	08/2010		Slipped
			U-8		135	12/2010		Slipped
36	Rosa TPP Ph-1	R. P.S Co.Ltd (Reliance)	U-2	06.03.07	*	06/210	300	28.06.10(A)
37	Udupi TPP	UPCL	U-1	24.12.06	507.5	04/2010	600	23.07.10(A)
			U-2		507.5	08/2010		Slipped
			Total –Private		5891		4929.5	
		Total for the year 2010-11			17793		11250.5	

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

2.4 THERMAL CAPACITY PROGRAMMED FOR COMMISSIONING DURING THE YEAR 2011-12

S.No	Project Name & Unit No./Implementing Agency	Executing Agency	LOA Date	Org. Comm. Schedule	Cap. (MW)	Commissioning Schedule		Cap. Ach.
						Envisaged at the beginning of year	Ant. /Act(A)	
	Central Sector							
1	Sipat-I, U-1 * NTPC	Others	Apr-04	Sep-08	660	Jul-11	28.06.11(A)	660
2	Sipat-I, U-2 * NTPC	Others	Apr-04	Jul-09	660	Nov-11	24.12.11(A)	660
3	Kodrma TPP U-1# DVC	BHEL	29.06.07	Jun-10	500	Jun-11	20.07.11(A)	500
4	Durgapur Steel TPS U-1# DVC	BHEL	27.07.07	Jul-10	500	Aug-11	29.07.11(A)	500
5	Durgapur Steel TPS U-2 DVC	BHEL	27.07.07				23.03.12(A)	500
5	Neyveli TPS-II Exp. U-1# NLC	BHEL	19.08.05	Feb-09	250	Oct-11	04.02.12(A)	250
6	Indira Gandhi TPP U-2 APCPL	BHEL	07.06.07	Jun-11	500	Nov-11	05.11.11(A)	500
7	Simhadri STPP Extn. U-4 NTPC	BHEL	Mar-07				30.03.12(A)	500
8	Vallur TPP Ph-I U-1 JV of NTPC and TNEB	BHEL	13.08.07				28.03.12(A)	500
	Total of Central Sector				3070			4570
	State Sector							
7	Khaperkheda TPS Expn. U-5# MSPGCL	BHEL	01.01.07	Jun-10	500	Jun-11	05.08.11(A)	500
8	Santalidih TPP Extn Ph-II U-6# WBPDC	BHEL	23.03.07	Aug-09	250	Jul-11	29.06.11(A)	250
9	Bhusawal TPS Expn. U-4# MSPGCL	BHEL	23.01.07	Sep-10	500	Jul-11	07.03.12(A)	500
10	Bhusawal TPS Expn. U-5 MSPGCL	BHEL	23.01.07	Jan-11	500	Jan-12	30.03.12(A)	500
11	Kothagudem TPP –VI U-1 APGENCO	BHEL	22.02.07	May-10	500	Jun-11	26.06.11(A)	500
12	Pragati CCGT – III ST-1# PPCL	BHEL	30.05.08	Jul-10	250	Oct-11	29.02.12(A)	250
13	Pragati CCGT – III GT-3# PPCL	BHEL	30.05.08	Jul-10	250	Sep-11		
14	Harduaganj Ext. U-8# UPRVUNL	BHEL	28.06.06	Aug-09	250	Sep-11	26.09.11(A)	250
15	Harduaganj Ext. U-9# UPRVUNL	BHEL	28.06.06	Dec-09	250	Feb-12		
16	Hazira CCPP Extn. GT+ST # GSECL	BHEL	01.01.08	Mar-10	351	Aug-11	18.02.12(A)	351
17	Bellary TPP St-II U-2 KPCL	BHEL	31.08.06	Jan-11	500	Nov-11	23.03.12(A)	500
18	Lakwa Waste Heat Unit ST	BHEL	03/06				24.12.11(A)	37.2
	Total of State Sector				4101			3638.2
	Private Sector							
18	JSW Ratnagiri TPP U-3# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Jul-10	300	May-11	06.05.11(A)	300
19	JSW Ratnagiri TPP U-4# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Sep-10	300	Oct-11	08.10.11(A)	300
20	Anpara-C TPS U-1# Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	Jun-11	600	Oct-11	15.11.11(A)	600
21	Anpara-C TPS U-2 Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	May-11	600	Jan-12	12.11.11(A)	600
22	Maithon RB TPP U-1# DVC- JV Tata	BHEL	25.10.07	Oct-10	525	Jul-11	30.06.11(A)	525
23	Maithon RB TPP U-2 MPL JV of DVC and Tata Power	BHEL	25.10.07	Apr-11	525	Jan-12	23.03.12(A)	525

24	Udupi TPP U-2# NPCL	Chinese	24.12.06	Dec-06	600	Apr-11	17.04.11(A)	600
25	Wardha Warora U-4 @ M/s Wardha Power Co.Pvt. Ltd (KSK)	Chinese	15.05.07	Sep-10	135	Apr-11	30.04.11(A)	135
26	Jallipa- Kapurdi TPP U-3# Raj west power Ltd	Chinese	Mar-07	Mar-10	135	Aug-11	02.11.11(A)	135
27	Mundra TPP Ph-II U-2 Adani Power Ltd	Chinese	09.06.07	Aug-11	660	Aug-11	20.07.11(A)	660
28	Mundra Ultra Mega TPP U-1 Tata Power Co.	Others	12.01.06	May-11	800	Aug-11	25.02.12(A)	800
29	Tirora TPP Ph-I U-1 Adani Power Ltd	Chinese	Feb-08	Apr-11	660	Jan-12		
30	Sterlite (Jharsugda) U-3*	Chinese	10.05.06	Jul-09	600	Oct-11	16.08.11(A)	600
31	Rithala CCPP ST	Others					04.09.11(A)	36.5
32	Mundra TPP U-7 Adani Power Ltd	Chinese	01.01.08				07.11.11(A)	660
33	Khambrkhera TPP U-1@ Hindustan Bajaj	Others	26.12.09				17.10.11(A)	45
34	Maqsoodpur TPP U-1@ Hindustan Bajaj	Others	26.12.09				03.11.11(A)	45
35	Barkheda TPP U-1@	Others	26.12.09				06.11.11(A)	45
36	Jallipa- Kapurdi TPP U-4 Raj west power Ltd	Chinese	Mar-07	Mar-10			23.11.11(A)	135
37	Khambrkhera TPP U-2@ Hindustan Bajaj	Others	26.12.09				28.11.11(A)	45
38	SV Power TPP U-1@ KVK	Chinese	29.12.06	Jun-11			07.12.11(A)	63
39	Kasaipalli TPP U-1@ ACB	Chinese	25.11.08	Nov-10			13.12.11(A)	135
40	Rosa TPP U-3 RPSCL	Chinese	Mar-08				28.12.11(A)	300
	Rosa TPP U-4 RPSCL	Chinese	Mar-08				28.03.12(A)	300
40	Kundarki U-1@ Hindustan Bajaj	Others	26.12.09				10.01.12(A)	45
41	Mahatma Gandhi TPP U-1@ CLP	Chinese	17.01.09				11.01.12(A)	660
42	Maqsoodpur TPP U-2@ Hindustan Bajaj	Others	26.12.09				21.01.12(A)	45
43	Barkheda TPP U-2@ Hindustan Bajaj	Others	26.12.09				28.01.12(A)	45
44	Mihan TPP U-1 to U-4@ Abhijeet	Chinese					09.02.12(A)	246
45	Katgora TPP U-1@ Bandana Energy	Others					14.02.12(A)	35
46	Utraula TPP U-1@ Hindustan Bajaj	Others	26.12.09				21.02.12(A)	45
47	Salaya TPP U-1@ ESSAR	Chinese	21.11.07				22.02.12(A)	600
48	Kunderki TPP U-2@ Hindustan Bajaj	Others	26.12.09				29.02.12(A)	45
49	Mundra TPP U-8 Adani Power Ltd	Chinese	01.01.08				03.03.12(A)	660
50	Mundra TPP U-9 Adani Power Ltd	Chinese	01.01.08				09.03.12(A)	660
51	Utraula TPP U-2@ Hindustan Bajaj	Others	26.12.09				19.03.12(A)	45
52	Simhapuri TPP U-1@ SEPL	Chinese	07.01.09				24.03.12(A)	150
	Total of Private Sector				6440			10870.5
	Total 2011-12				13611			19078.7
	Note : * 11Plan Best Effort Units							
	@ - Additional Units not included in 11 th Plan Target							
	#- Units slipped from 2010-11 Target							

3.0 Thermal Units Programmed for Commissioning During 2012-13

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Com Cap (MW)	Comm. Date	
								Envisaged at the beginning of year	Ant. /Act(A)
CENTRAL SECTOR									
Chhattisgarh	Sipat -I	NTPC	U-3	Apr-04	Others	660	660	06/12	02.06.12(A)
Haryana	Indira Gandhi TPP	APCPL	U-3	Jul-07	BHEL	500	500	12/12	07.11.12(A)
Jharkhand	Kodarma TPP	DVC	U-2	Jun-07	BHEL	500		12/12	01/13
Maharashtra	Mouda TPP	NTPC	U-1	Nov-08	BHEL	500	500	07/12	19.04.12(A)
MP	Vindhyachal TPP-IV	NTPC	U-11	Jan-09	BHEL	500	500	07/12	14.06.12(A)
TN	Vallur TPP Ph-I	NTECL	U-2	Aug-07	BHEL	500		02/13	02/13
Tripura	Tripura Gas	ONGC	Module-1	Jun-08	BHEL	363.3		11/12	12/12
UP	Rihand TPP-III	NTPC	U-5	Feb-09	BHEL	500	500	06/12	25.05.12(A)
			Total Central Sector			4023.3	2660		
STATE SECTOR									
Chhattisgarh	Marwa TPP	CSEB	U-1	Apr-08		500		02/13	03/13
Delhi	Pragati CCGT - III	PPCL	GT-3	May-08	BHEL	250	250	08/12	27.06.12(A)
Gujarat	Pipavav CCPP	GSECL	Block-2	Dec-07	BHEL	351		01/13	03/13
	Ukai TPP Extn	GSECL	U-6	Sep-07	BHEL	490		12/12	03/13
Rajasthan	Ramgarg GT	RRVUNL	GT	Aug-09	BHEL	110		01/13	01/13
	Ramgarg GT	RRVUNL	ST-1		BHEL	50		02/13	08/13
MP	Satpura TPP Extn.	MPPGCL	U-10	Mar-08	BHEL	250		02/13	02/13
TN	Mettur TPP Ext	TNEB	U-1	Aug-08	Chinese	600	600	06/12	10/12(A))
	North Chennai Extn.	TNEB	U-2	Aug-08	BHEL	600		03/13	01/13
UP	Harduaganj Ext	UPRVUNL	U-9	Jun-06	BHEL	250	250	05/12	25.05.12(A)
	Parichha Extn	UPRVUNL	U-5	Jun-06	BHEL	250	250	06/12	24.05.12(A)
	Parichha Extn	UPRVUNL	U-6			250		09/12	03/13
			Total -State Sector			3951	1350		
PRIVATE SECTOR									
AP	Simhapuri TPP Ph-1	Madhucon Projects Ltd.	U-2	Jan-09	Chinese	150	150	09/12	02.07.12(A)
	Thamminap atnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-1	Aug-09	Chinese	150	150	08/12	09/12(A)
	Thamminapat nam TPP-I	Meenakshi Energy Pvt. Ltd.	U-2			150		11/12	01/13
Chhattisgarh	Kasaipalli TPP	M/s ACB (India)	U-2	Nov-08	Chinese	135	135	06/12	21.06.12(A)
	Vandana Vidyut TPP	M/s Vandna Vidyut	U-1	Nov-08	Chinese	135		12/12	01/13
	Swastik Korba TPS	ACB	U-1		Others	25		06/12	03/13

Gujarat	Mundra Ultra Mega TPP	Tata Power Co.	U-2	May-07	Others	800	800	12/12	25.07.12(A)
	Mundra Ultra Mega TPP	Tata Power Co.	U-3	May-07	Others		800		16.10.12(A)
	Salaya TPP	ESSAR	U-2	Nov-07	Chinese	600	600	08/12	13.06.12(A)
Haryana	Jhajjar TPP (Mahatma Gandhi TPP)	CLP Power India Pvt. Ltd.	U-2	Jan-09	Chinese	660	660	04/12	11.04.12(A)
Jharkhand	Adhunik Power TPP	Adhunik Power Co. Ltd.	U-1	May-09	BHEL	270	270	09/12	19.11.12(A)
	Corporate Power Ltd Ph-I (Maitrishi Usha)	M/s Corporate Power Ltd.	U-1	Dec-09	BHEL	270		12/12	03/13
Maharashtra	Bela TTP-I	IEPL	U-1	Dec-08	BHEL	270		09/12	01/13
	Butibori TPP Ph-II	Vidarbha Industries Power	U-1	Dec-09	Chinese	300	300	08/12	17.08.12 (A)
	EMCO Warora TPP	EMCO Energy Ltd. (GMR)	U-1	Sep-09	Chinese	300		11/12	01/13
	Tirora TPP Ph-I	Adani Power Ltd	U-1	Feb-08	Chinese	660	660	08/12	09/12(A)
	Tirora TPP Ph-I	Adani Power Ltd	U-2			660		11/12	01/13
	Tirora TPP Ph-II	Adani Power Ltd	U-1			660		02/13	03/13
	GEPL TPP	GEPL Pvt. Ltd.	U-2	Mar-09	Chinese		60		28.04.12(A)
	GEPL TPP	GEPL Pvt. Ltd.	U-1		Chinese		60		09/12(A)
MP	Bina TPP	Bina Power Ltd.	U-1	Sep-08	BHEL	250	250	09/12	12.08.12(A)
Orissa	Sterlite TPP	Sterlite Energy Ltd.	U-4	Sep-08	Chinese	600	600	06/12	25.04.12(A)
Rajasthan	Jallipa-Kapurdi TPP	Raj west power Ltd (JSW)	U-5	Mar-07	Chinese	135		03/13	2013-14
			Total -Private Sector			7180	5495		
			Total for the year 2012-13			15154.3	9505		

4.0 12TH PLAN THERMAL CAPACITY ADDITION (PROGRAMMED)

AS ON 06-Dec-2012

<i>Sector Act(A)/Ant. State Date</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Comm.</i>
THERMAL PROJECTS TARGETED FOR COMMISSIONING DURING 12TH PLAN						
<u>CENTRAL SECTOR</u>						
Assam	Bongaigaon TPP	NTPC	BHEL	U-1	250	12/2013
				U-2	250	10/2014
				U-3	250	03/2015
Bihar	Barh STPP- I		OTHERS	U-1	660	07/2014
				U-2	660	05/2015
				U-3	660	03/2016
	Barh STPP-II		BHEL	U-1	660	08/2013
				U-2	660	09/2014
	Muzaffarpur TPP Exp			U-3	195	06/2014
				U-4	195	09/2014
	Nabi Nagar TPP			U-1	250	07/2014
				U-2	250	01/2015
				U-3	250	07/2015
				U-4	250	01/2016
Chhattisgarh	Sipat-I		OTHERS	U-3	660	02/06/12(A)
Haryana	Indira Gandhi TPP	APCPL	BHEL	U-3	500	07/11/12(A)
Jharkhand	BokaroTPS "A"Exp.	DVC		U-1	500	08/2014
	Kodarma TPP			U-2	500	01/2013
Maharashtra	Mouda TPP	NTPC		U-1	500	19/04/12(A)
				U-2	500	03/2013
MP	Vindhyachal TPP-IV			U-11	500	14/06/12(A)
				U-12	500	03/2013
TN	Neyveli TPS-II Exp.	NLC		U-2	250	03/2013
	Tuticorin JV			U-1	500	12/2013
				U-2	500	03/2014
	Vallur TPP Ph I	NTECL		U-2	500	02/2013
	Vallur TPP-II			U-3	500	09/2013
Tripura	Monarchak CCGP	NEEPCO		GT+ST	101	10/2013
	Tripura Gas	ONGC		Module-I	363.3	12/2012
				Module-II	363.3	04/2013
UP	Rihand TPP- III	NTPC		U-5	500	25/05/12(A)
				U-6	500	06/2013
WB	Raghunathpur TPP, Ph-I	DVC	CHINESE	U-1	600	05/2013
				U-2	600	10/2013
Sub Total :					14877.6	
<u>STATE SECTOR</u>						
AP	Damodaram Sanjeevaiah TPS	APPDL	NON-BHEL	U-1	800	04/2014
				U-2	800	09/2014
Assam	Rayalseema St-III U-6	BHEL	BHEL	U-6	600	12/2015
	Namrup CCGT	APGCL		GT	70	04/2013
				ST	30	07/2013
Chhattisgarh	Korba West St-III.	CSPGCL		U-5	500	03/2013
	Marwa TPP			U-1	500	03/2013
				U-2	500	06/2013
Delhi	Pragati CCGT - III	PPCL		GT-3	250	27/06/12(A)
				GT-4	250	03/2013
				ST-2	250	06/2013
Gujarat	Pipavav CCGP	GSECL		Block-1*	351	06/2013
				Block-2	351	03/2013
	Sikka TPP Extn.			U-3	250	04/2014
	Ukai TPP Extn.			U-6	500	03/2013
Maharashtra	Chandrapur TPS	MSPGCL		U-8	500	09/2013
	Koradi TPP Expn.		NON-BHEL	U-8	660	03/2014
	Parli TPP Expn.		BHEL	U-8	250	09/2013

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Note:- * Commissioning would be assessed after revsolving the despute of damaged GT rotor.

<i>Sector Act(A)/Ant. State Date</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Comm.</i>
MP	Malwa TPP (Shree Singati TPP)	MPGENCO	BHEL	U-1	600	05/2013
				U-2	600	07/2013
	Satpura TPP Extn	MPPGCL		U-10	250	02/2013
				U-11	250	06/2013
Rajasthan	Chhabra TPP Extn.	RRVUNL		U-3	250	05/2013
				U-4	250	09/2013
	Kalisindh TPS		CHINESE	U-1	600	03/2013
	Ramgarh CCPP Extn. -III		BHEL	GT	110	01/2013
				ST	50	08/2013
TN	Mettur TPP Ext	TNEB	CHINESE	U-1	600	11/10/12(A)
	North Chennai Extn, U-1		BHEL	U-1	600	05/2013
	North Chennai Extn, U-2			U-2	600	12/2012
UP	Anpara-D	UPRVUNL		U- 6	500	02/2014
				U-7	500	06/2014
	Harduaganj Ext			U-9	250	25/05/12(A)
	Parichha Extn			U-5	250	24/05/12(A)
				U-6	250	03/2013
<i>Sub Total :</i>					13922	
<u>PRIVATE SECTOR</u>						
AP	Bhavanpadu TPP	M/s East Coast Energy Ltd.	CHINESE	U-1	660	07/2015
				U-2	660	10/2015
	NCC TPP	NCC Power Projects Ltd		U-1	660	06/2016
				U-2	660	09/2016
	Painampuram TPP	Thermal Power Tech Corporation Ltd		U-1	660	08/2014
				U-2	660	11/2014
	Simhapuri Energy Pvt.Ltd Ph-I	Madhucon Projects Ltd		U-2	150	02/07/12(A)
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd		U-1	150	09/09/12(A)
				U-2	150	12/2012
	Thamminapatnam TPP-II	Meenaksha Energy Ltd.		U-3	350	05/2014
				U-4	350	10/2014
	Vizag TPP	Hinduja National Power Corp. Ltd	BHEL	U-1	525	02/2014
				U-2	525	06/2014
Chhattisgarh	Akaltara (Naiyara) TPP	Wardha PCL (KSK)	CHINESE	U-1	600	06/2013
				U-2	600	10/2013
				U-3	600	04/2014
	Avantha Bhandar TPS, U-1	Korba West Power Co. Ltd.	BHEL	U-1	600	07/2013
	Balco TPP	Bharat Aluminium Co. Ltd	CHINESE	U-1	300	03/2014
				U-2	300	01/2014
	Bandakhar TPP	M/s Maurti Clean Coal & Power Ltd		U-1	300	07/2014
	Baradarha TPP (DB Power TPP)	D.B.Power co.Ltd	BHEL	U-1	600	08/2013
				U-2	600	01/2014
	Binjkote TPP	M/s SKS Power Generation (Chhattisgarh) Ltd.	CHINESE	U-1	300	09/2014
				U-2	300	12/2014
				U-3	300	03/2015
	Kasaipalli TPP	ACB India Ltd.		U-2	135	21/06/12(A)
	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.		U-3	660	08/2013
				U-4	660	12/2013
	Ratija TPP	Spectrum Coal & Power Ltd		U-1	50	12/2012
	Singhitarai TPP	Athena Chhattisgarh Power Ltd.		U-1	600	02/2015
	Swastic TPP	M/s ACB	OTHERS	U-1	25	01/2013
	Tamnar TPP (Raigarh)	O.P.Jindal	BHEL	U-1	600	01/2014
				U-2	600	04/2014
	TRN Energy TPP	M/s TRN Energy Pvt. Ltd.	CHINESE	U-1	300	09/2014
				U-2	300	12/2014
	Uchpinda TPP	RKM Powergen Pvt. Ltd		U-1	360	10/2013

<i>Sector Act(A)/Ant. State Date</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Comm.</i>
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-2 U-3	360 360	01/2014 04/2014
	Vandana Vidyut TPP- Chhattisgarh	M/s Vandana Vidyut		U-1	135	01/2013
Gujarat	Mundra UMTTP	Tata Power Co.	OTHERS	U-2	135	08/2013
	Salaya TPP	Essar Power Gujarat Ltd.	CHINESE	U-2	800	25/07/12(A)
Haryana	Jajjar TPP (Mahatma Gandhi TPP)	CLP Power India Pvt. Ltd		U-2	600	13/06/12(A)
					660	11/04/12(A)
Jharkhand	Adhunik Power TPP	Adhunik Power Co.Ltd	BHEL	U-1	270	19/11/12(A)
				U-2	270	05/2013
	Maitrishi Usha TPP-Ph-I	M/s Corporate Power Ltd		U-1	270	03/2013
				U-2	270	06/2013
Maharashtra	Amravati TPP Ph-I	India Bulls		U-1\$	270	04/2013
				U-2\$	270	08/2013
				U-3\$	270	11/2013
				U-4\$	270	02/2014
				U-5\$	270	05/2014
	Bela TPP-I	IEPL		U-1	270	12/2012
	Butibori TPP Ph-II	Vidarbha Industries Power	CHINESE	U-1	300	17/08/12(A)
	Dhariwal Infracture TPP	Dhariwal Infracture (P) Ltd		U-1	300	03/2013
				U-2	300	06/2013
	EMCO Warora TPP	EMCO Energy Ltd.(GMR)		U-1	300	12/2012
				U-2	300	03/2013
	GEPL TPP	GEPL		U-1	60	08/09/12(A)
				U-2	60	28/04/12(A)
	Lanco Vidarbha TPP	Lanco Vidarbha		U-1	660	04/2014
				U-2	660	08/2014
	Nasik TPP Ph-I	India Bulls	BHEL	U-1\$	270	04/2013
				U-2\$	270	08/2013
				U-3\$	270	11/2014
				U-4\$	270	01/2015
				U-5\$	270	03/2015
	Tirora TPP Ph-I	Adani Power Ltd	CHINESE	U-1	660	11/09/12(A)
				U-2	660	01/2013
	Tirora TPP Ph-II			U-1	660	03/2013
MP	Anuppur TPP Ph-I	MB Power MP		U-1	600	11/2014
				U-2	600	02/2015
	Bina TPP	Bina Power Supply Co. Ltd	BHEL	U-1	250	12/08/12(A)
				U-2	250	03/2013
	Gorgi TPP (DB Power)	DB Power		U-1	660	03/2015
	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-1	660	12/2013
				U-2	660	07/2013
Orissa	Seioni TPP Ph-I	Jhabua Power Ltd	BHEL	U-1	600	01/2014
	Derang TPP	JITPL		U-1	600	09/2013
	Ind Bharat TPP (Orissa)	Ind. Bharat	CHINESE	U-1	350	04/2013
				U-2	350	08/2013
	Kamalanga TPP	GMR		U-1	350	01/2013
				U-2	350	04/2013
				U-3	350	07/2013
	KVK Nilanchal TPP	KVK Nilanchal		U-1	350	02/2014
	Lanco Babandh TPP	Lanco Babandh Power Ltd		U-1	660	03/2014
	Sterlite TPP	Sterlite Energy Ltd.		U-4	600	25/04/12(A)
Punjab	Goindwal Sahib	GVK Power	BHEL	U-1	270	04/2013
				U-2	270	10/2013
	Rajpura TPP (Nabha)	Nabha Power Ltd	NON-BHEL	U-1	700	01/2014
				U-2	700	03/2014
	Talwandi Sabo TPP	M/s Sterlite	CHINESE	U-1	660	12/2013
				U-2	660	04/2014
				U-3	660	06/2014
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)		U-5	135	10/2012

Note:- \$ BHEL stopped material supply after suspension of payment by financiers

<i>Sector Act(A)/Ant. State Date</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Comm.</i>
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	CHINESE	U-6	135	01/2013
TN	Tuticorin TPP (Ind- Barath TPP)	IBPIL		U-1	660	12/2015
UP	Prayagraj (Bara) TPP	J.P.Power	BHEL	U-1	660	02/2014
				U-2	660	07/2014
				U-3	660	12/2014
WB	Haldia TPP-I	M/s Haldia Energy Ltd.	CHINESE	U-1	300	08/2014
				U-2	300	11/2014
Sub Total :					43540	
Total :					72339.6	
ADDITIONAL PROJECTS FOR LIKELY COMMISSIONING DURING 12TH PLAN						
<u>CENTRAL SECTOR</u>						
Karnataka	Kudgi STPP Ph-I	NTPC	NON-BHEL	U-1	800	12/2015
				U-2	800	06/2016
				U-3	800	12/2016
Maharashtra	Mouda STPP-II		BHEL	U-3	660	03/2016
				U-4	660	09/2016
	Solapur STPP		NON-BHEL	U-1	660	05/2016
				U-2	660	11/2016
MP	Vindhyachal TPP-V		BHEL	U-13	500	08/2015
UP	Meja STPP	NTPC-UPRVUNL	NON-BHEL	U-1	660	06/2016
				U-2	660	09/2016
Sub Total :					6860	
<u>STATE SECTOR</u>						
AP	Kakatiya TPP Extn	APGENCO	BHEL	U-1	600	05/2014
Gujarat	Bhavnagar CFBC TPP	Bhavnagar Energy		U-1	250	10/2014
				U-2	250	12/2014
	Sikka TPP Extn.	GSECL		U-4	250	07/2014
Maharashtra	Chandrapur TPS	MSPGCL		U-9	500	01/2014
	Koradi TPP Extn.		NON-BHEL	U-10	660	03/2015
				U-9	660	09/2014
Rajasthan	Kalisindh TPS	RRVUNL	CHINESE	U-2	600	08/2013
WB	Durgapur TPS Extn	DPL	BHEL	U-8	250	10/2013
	Sagardighi TPP-II	WBPDC		U-3	500	07/2014
				U-4	500	10/2014
Sub Total :					5020	
<u>PRIVATE SECTOR</u>						
AP	Simhapuri Energy Pvt Ltd Ph-II	Madhucon Projects Ltd.	CHINESE	U-3	150	02/2013
				U-4	150	04/2013
Chhattisgarh	Akaltara (Naiyara) TPP	Wardha PCL (KSK)		U-4	600	06/2014
	Binjkote TPP	M/s SKS Power Generation (Chhattisgarh) Ltd.		U-4	300	06/2015
	Raikheda TPP	GMR	OTHERS	U-1	685	06/2014
				U-2	685	10/2014
	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	CHINESE	U-2	600	05/2015
	Tamnara TPP (Raigarh)	O.P.Jindal	BHEL	U-3	600	09/2014
				U-4	600	11/2014
	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-4	360	07/2014
Gujarat	Mundra UMTTP	Tata Power Co.	OTHERS	U-3	800	16/10/12(A)
				U-4	800	08/2013
				U-5	800	11/2013
Jharkhand	Maitrishi Usha TPP-Ph-II	Corporate Power Ltd	BHEL	U-3	270	08/2013
				U-4	270	11/2013
	Tori TPP	Essar Power	CHINESE	U-1	600	12/2014
				U-2	600	03/2015
Maharashtra	Amravati TPP Ph-II	India Bulls	BHEL	U-1#	270	07/2014
				U-2#	270	09/2014
				U-3#	270	11/2014
				U-4#	270	01/2015

<i>Sector Act(A)/Ant. State Date</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Comm.</i>
Maharashtra	Amravati TPP Ph-II	India Bulls	BHEL	U-5#	270	03/2015
	Nasik TPP Ph-II			U-1#	270	07/2014
				U-2#	270	09/2014
				U-3#	270	11/2014
				U-4#	270	01/2015
				U-5#	270	03/2015
	Tirora TPP Ph-II	Adani Power Ltd	CHINESE	U-2	660	08/2013
				U-3	660	11/2013
MP	Mahan TPP	Essar Power MP Ltd		U-1	600	12/2012
				U-2	600	03/2013
	Nigri TPP	Jaiprakash Power Ventures Ltd	NON-BHEL	U-1	660	12/2013
				U-2	660	06/2014
	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-3	660	02/2013
				U-4	660	05/2014
				U-5	660	10/2014
				U-6	660	03/2015
Orissa	Derang TPP	JITPL	BHEL	U-2	600	12/2013
	KVK Nilanchal TPP	KVK Nilanchal	CHINESE	U-2	350	08/2015
				U-3	350	10/2015
	Lanco Babandh TPP	Lanco Babandh Power Ltd		U-2	660	05/2014
	Malibrahmani TPP (Monnet Ispat)	MPCL	BHEL	U-1	525	02/2014
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	CHINESE	U-7	135	08/2013
				U-8	135	12/2013
	Kawai TPP	Adani Power Ltd.		U-1	660	01/2013
				U-2	660	04/2013
TN	Melamaruthur TPP	Coastal Energen		U-1	600	06/2013
				U-2	600	09/2013
UP	Lalitpur TPP	Bajaj Energy Pvt Ltd	BHEL	U-1	660	10/2014
				U-2	660	02/2015
				U-3	660	06/2015
Sub Total :					25305	
Total :					37185	
Total (12thPlan):					109524.6	

Note:- # Work is held up.

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CENTRAL SECTOR

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

Sl. No.	PROJECT DETAILS	Capa- city (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. Com.	COD	Syn. Com.	COD	
PROJECTS UNDER CONSTRUCTION							
1.	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.
	Unit-1	500	02/12 04/12	04/12	04/12(A) 04/12(A)	12/12	Unit-1: 1. Unit synchronized on 08.04.2012. 2. Unit commissioned on 19.04.2012.
	Unit-2	500	08/12 10/12	11/12	03/13 03/13	09/13	
	Date of TEC	: Not required					Unit-2
	Investment Approval	: 11/07					Boiler
	Est. approved cost	: Rs. 545928 Lakhs					1. Boiler erection started on 30. 04.10.
	Latest est.cost	: Rs 601089 Lakhs					2. Boiler drum lifting completed in 12/10.
	Exp. Upto 03/09	: Rs. 45520 Lakhs					3. Boiler hydro test completed on 30/11/11.
	Exp. During 09-10	: Rs 59540Lakhs					4. Boiler light-up completed on 27/11/12.
	Exp. During 10-11	: Rs 134040 Lakhs					5. SBO expected to be completed by Dec'12.
	Exp. During 11-12	: Rs 159500 Lakhs					TG
	Exp. During 12-13 (Upto 10/12)	:Rs 51700 lakhs					1. Condenser erection started on 27.06.11.
	Type of fuel	: Coal					2. TG erection commenced on 29/09/11.
	Fuel Linkage	: Available					3. TG box up expected in 12/12.
	Date of Main Plant Order(LOA)	: 11/08 on M/s BHEL(BTG)					BOPs
Zero Date	:28/11/2008					1. Chimney U-2 flue can erection completed.	
Power Evacuation System:						2. CWPB raft casting completed, wall, Fore bay & CW channel works completed.	
Critical Areas						3. Cooling Tower: CT-1B completed. CT#2A 5 deck casting completed. CT-1A, 2A & 2B, Aux CT raft & super structure works in progress. Column lifting and wall work i/p.	
						Unit-2: Cooling Tower by M/s NBCC : CT#2A 6 deck casted and CT#2B 4 cell deck casted. CT#2A civil work completion tar Dec'12. Meck work start ant. By 17.12.12 & CT#2B civil work completion target Jan'13. CHP readiness (M/s TRF): TP-7 erection starte. TP-8 Fdn yet to be handed over. TR Fdn between TP-6 and TP-7 balance. Erection of TP-7 and TR critical for CHP readiness for unit commg. Main plant civil works by M/s ERA: Readiness of fronts for U#2 (LHS Fan & Duct Fdns etc,TG 0 Mtr floor Fdns, ARCW PH,RHS Trestle erection), Bunker readiness affected due to poor manpower mobilization by M/s ERA. Being expedited.	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com.	COD	
2	Rihand STPS St-III (Distt. Sonebhadra, UP)	1000					- Order for civil works in BTG area & Chimney placed on M/s Simplex in June, 09. - CW equipment package awarded to M/s KBL - PT plant awarded to M/s MBE - Switchyard awarded to M/s L&T - FO system awarded to M/s Raunaq - Cooling Tower awarded on NBCC - CHP awarded on F. L. Smidth - C&I equipment order placed. - AHP order placed in May, 2010 Unit-5: - Unit synchronised on coal on 19.05.2012. - Unit commissioned on 25.05.12. - Unit declared on COD w e f 19.05.2012. Unit-6: - Boiler erection commenced in 04/10. - Boiler drum lifted on 22.01.11. - Boiler HT completed on 16/02/12. - Boiler light-up expected by Dec' 12. - Condenser erection commenced on 24.05.11. - o TG erection commenced on 29/ 07/11. 1st EOT crane has been made operational from 17th Jul'12.2nd EOT crane main hook still under breakdown. Supply of Hook & Rope material from M/S Anupam to be expedited.. All Pedestals erected & grouting completed on 20.10.12.HPT module placed on foundation . - o TG box-up expected by Feb' 13. - o Mill Foundation A & B casting done on 11.11.12. - o Casting of 50/65m Oil canal done Delay due to supply of materials like pressure parts , balance FD/PA Fan, Lub oil system for fans, MS/RHS strainer, IV/CV cones/valves. Inadequate mobilization, delay in EOT crane repair and non-handing over of civil fronts.
U-5	500	04/12 06/12	05/12	05/12(A) 05/12(A)	11/12(A)		
U-6	500	10/12 12/12	01/13	05/13 06/13	09/13		
Date of Sanction	:-						
Investment Approval	:- January, 2009						
Sanctioning Authority	:- NTPC Board						
Original Est. cost	:- Rs.623081 lakhs						
Latest approved cost	:- Rs 623081 lakhs						
Exp.During 2007-08	:-Rs.30 Lakhs.						
Exp.During 2008-09	:-Rs.28500 Lakhs.						
Exp.During 2009-10	:-Rs.34370 Lakhs.						
Exp.During 2010-11	:- Rs 109700 lakhs						
Exp.During 2011-12	:-Rs 147000 lakhs						
Exp.During 2012-13 (Upto 09/12)	:-Rs 48500 lakhs						
Type of fuel	:- Coal						
Fuel linkage							
Date of Main Plant Order (BTG)	:- 01/2009 (BHEL) –SG & Aux. :- 02/2009 (BHEL) –TG & Aux.						
Zero Date	:- 28/02/2009						
Power Evacuation							
Critical Areas	Unit-6: SG Supply and Erection: Balance ducting erection for BLU, Supply of balance material for Ducts, Supply of FD fan 6A Diffuser, PA fan 6B Rotor & Lub Oil system of both PA fan 4 nos Mill materials. TG Erection Commencement : 2nd EOT crane main hook still under breakdown. Supply of Hook & Rope material from M/S Anupam to be expedited. TG Supply: Supply of MS/HRH strainer housing and LPBP valve is critical for completion of P-91 joints. Supply of 338 nos condenser tubes to site for condenser erection completion. CW Pump pkg: Repair & supply of 2 Nos damaged CW motors are critical for U#6 TG deck floating and regular operation of CW system. Repair of broken bell mouth & impeller guide piece(1no each) to be expedited. RHS Mill foundation & Feeder floor completion: Lub oil fndn planned by 15.11.12.Balance mill fndn by 25.11.12.Feeder floor casting planned by 15.11.12.critical for front H/O to BHEL.Bunker readiness & Tripper floor casting by Jan'13. OIL canal readiness.: Critical for front H/O to BHEL for starting Oil piping. Needs to be expedited LHS Mill fondation & feeder floor & Bunker readiness.: Mill foundations expected by 30.11.12.Bunker column erection i/p.feeder floor casting by 30.11.12.Bunker readiness by Jan'13.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. Com.	COD	Syn. Com.	COD	
3.	Indira Gandhi STPP (Aravali Power Co. Pvt. Ltd–JV of NTPC, HPGCL and IPGCL) (Dist: Jhajjar), Haryana	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.
	U-1	500	10/10 12/10	01/11	<u>10/10</u> <u>(A)</u> 10/10(A)	03/11(A)	Unit-1 Synchronised on 10.10.10 & commissioned on 31.10.10. Unit declared on COD w e f March’11.
	U-2	500	04/11 06/11	07/11		04/12(A)	Unit-2 Synchronised on 21.10.11 & commissioned on 05/ 11/11.
	U-3	500	10/11 12/11	01/12	<u>10/11(A)</u> <u>11/11(A)</u> <u>11/12(A)</u> <u>11/12(A)</u>	03/13	Unit declared on COD w e f 21.04.2012.
	Date of Sanction	:-					Unit-3 Boiler erection started on 19.03.09. Boiler drum lifted on 12.11.09. HT completed on 30/04/11. BLU completed on 17/05/12. SBO completed on 03/08/12.
	Investment Approval	: 05.07.2007					Condenser & TG erection commenced on 31/5/10 & 16/2/11 respectively. TG box-up completed on 02.06.2012.
	Sanctioning Authority	: NTPC Board					Oil Flushing completed on 23/10/12. Condenser charged on 30.09.12. Deck floating completed on 08.10.12.
	Orig.Est. cost Latest.Est. Cost	:Rs.829300 Lakhs : Rs. 858797 Lakhs					Oil flushing through bearing pedestals completed and turbine put on barring gear on 28.10.12. Safety valve floating completed on 4.11.12. TDBFP A solo run completed on 4.11.12.
	Exp.During 2007-08 2008-09 2009-10 2010-11	:Rs.97364 lakhs :Rs. 108906 lakhs :Rs. 199000 lakhs : Rs 129111 lakhs					All CEPS commissioned. CW pump 6 erection work in process. CHP & AHP made ready on 07.11.2012.
	Exp.During 2011-12 Exp.during 2012-13 (upto 09/12)	:Rs 55196 lakhs :Rs 22436 lakhs					Unit ynchronized & full load achieved on 07/ 11/12. Achieved full load in record time of 2.20 Hrs from unit sync. – 07/11/2012.
	Type of fuel	: Coal					
	Fuel linkage						
	Date of Main Plant Order (BTG) Zero Date	SG on 06.07.2007 & TG on 14.07.2007 on M/s BHEL 06.07.2007					
	Power Evacuation						
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (com.)	COD	Syn. (com)	COD	
1.	Vindhyachal STPP St-IV,Unit-11 &12 (Dist. Sidhi) NTPC	1000					Unit-11 - Boiler erection started in 03/10. - Boiler drum lifted in 6/10. - Boiler HT done in 6/11. - BLU done in 2/12. - SBO completed in 3/12. - TG erection started in 12/10 and boxed up in 12/11. - OF completed in 3/12. - TG put on Barring Gear in 4/12. Unit commissioned on 14/6/12. Unit-12 - Boiler piling work completed in 3/10. - Boiler erection started in 06/10. - Boiler drum lifted in 1/11. - Boiler HT completed in 3/12. - BLU expected in 12/12. Ducting for BLU with one pass of ESP completed. - SBO comp. expected in 02/13. - Cond. Ere. Started in 06/11. - TG erection started in 7/11. - TG box is expected by 02/13. - Oil flushing is expected by 01/13. - TG on barring gear by 03/13. - Syn.(oil) Expected by 03/13. - Syn.(coal) Expected by 03/13.
Unit-11	500	04/12 08/12	09/12	6/12 (A) 6/12(A)	12/12		
Unit-12	500	10/12 12/12	01/13	02/13 03/13	09/13		
State Govt. approval							
Org Est. approved cost		: Rs. 591500 Lakhs					
Latest Cost		: Rs. 591500 Lakhs					
Exp.(up to 3/09)		: Rs. 28980 Lakhs					
Exp. During 2009-10		: Rs 43290 Lakhs					
Exp. 2010-11		: Rs 114930 Lakhs					
Exp. During 2011-12		: Rs. 153000 lakhs					
Exp. During 2012-13 (up to 10/12)		: Rs. 58900 lakhs					
Cumulative Exp (up to 10/12)		: Rs. 399000 lakhs					
Type of fuel		: Coal					
Date of Main Plant Order		SG & Aux. awarded in 1/09 & TG &Aux awarded in 2/09 on M/s BHEL					
	Critical Areas	Mobilizations for boiler ducting. Delay in CHP, AHP and CT. Supply from BHEL(Oil system for SG package and HRH strainer Housing, IVCV cones for TG package.					

Sl. No.	PROJECT DETAILS	Capa- city (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) Expected			
			Syn. com.	COD	Syn. com.	COD		
PROJECTS UNDER CONSTRUCTION								
1	Vallur TPP St-I Ph-I (JV of NTPC-TNEB) NTECL (Distt Thiruvallur, TN.) Unit-1 Unit-2	1000 500 500	 <u>11/10</u> 01/11 <u>05/11</u> 07/11	 02/11 08/11	 <u>03/12</u> 03/12 <u>01/13</u> 02/13	 03/12 03/13	• Internal CHP- Conveyor from port to Bunker, Stacker & Reclaimer taken to service Balance foundation casting, Structural erection, roller erection Belt laying & equipment erection i/p. External CHP: Pipe conveyor taken to service.3729 MT coal unloaded from ship through conveyors. • AHP-ASPH- common sump work 3/5 bays completed, 2 pumps taken to service. Ash slurry trench- raft & wall completed, liner works i/p. MCC panel charged. Trf – 6/6 erected, bus work in progress • Desalination plant (1stream) commissioned rest of work in progress. Pre-treatment system ready. • CW duct erection work (U2&3) in progress. Channel completed, CW pump 2B trial taken. • IDCT Cooling fans, gear box & motor alignment in progress.1A/ 1B paving work is in progress. 2A &2B Fan & Fill erection completed. • <u>UNIT-1</u> • Unit synchronized with coal on 09/03/2012. • Unit achieved full load on 28.03.2012. • AHP commissioned on 10/11/12 & CHP on 23.11.12. • Unit declared commercial operation w.e.f 29.11.12. • In total there was 21 months delay in commissioning of the unit. • <u>UNIT-2</u> • Boiler Erection commenced on 18/07/09. 21684/ 23300 MT boiler material erected up to 11/12. Alkali boil out & EDTA Cleaning completed. • ESP erection commenced in 8/09, 8490/11326 MT material erected up to 11/12. ESP ducting erection & electrode fixing in progress. Pass A & B-ATT completed. • Boiler Drum lifted in 12/09. HT completed in 12/ 10 • BLU done on 16.07.12. SBO completed on 03.12.12 • P91 joints completed for steam blowing • Condenser erection started in 09/10. Condenser Hydro test completed (Shell side). • TG erection started in 03/11 & boxed up on 30.6.12. • Generator–Rotor final alignment with exciter completed TG Lub oil flushing is in progress and Detergent flushing completed. • FD fan B, ID fan B, PA fan A erection in progress. PA fan B deck casting completed. • TDPFP A erection in progress & MDBFP Lub. Oil flushing completed. GT 4, 5 & 6 erections completed. • LHS & RHS –Tripper floor casting completed. TP 9 &10 Floor work in progress. RHS-Mill erection (A,B,,D, E) completed & Coal piping erection also completed. Support erection in progress. • LHS-Mill erection coal piping and Feeder erection completed. • ACW pump house, pipeline erection in progress. • Bottom ash hopper refractory work -90% completed.	
Investment Approval		: 14/07/2007						
Sanctioning Authority		: NTECL Board						
Estimated cost		: Rs 542355 Lakh (Cost Ratio is 50:50)						
Latest approved cost		: Rs 555278 Lakh						
Expd. during 2005-2006.		: Rs 29 Lakh						
Expd. during 2006-2007.		: Rs 296 Lakh						
Expd. during 2007-2008.		: Rs 37599 Lakh						
Expd. During 2008-2009		: Rs 63749 Lakh						
Expd. During 2009-2010		: Rs148441 Lakh						
Expd. During 2010-2011		: Rs134279 Lakh						
Expd. During 2011-2012		: Rs130833 Lakh						
Expd. During 2012-2013 (up to 11/12)		: Rs 72480 Lakh						
Cumm.Expd. (up to 11/12)		: Rs. 588414 Lakh						
Type of Fuel		: Coal (Mahanadi coal fields)						
Date of Main Plant Order		: 13.08.2007 (SG&TG) on M/S BHEL						
Zero Date								
Fuel Linkage		: 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.						
Asso.Transmission system		: PGCL is to execute the following transmission lines through M/s Bajaj. a) VTPP – Almathi 400KV D/C line b) VTPP – Melakottaiyur 400KV D/C line :TNEB is to execute the following transmission line : VTPP – NCTPS (TNEB) 400KV D/C line						
Critical Areas								

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

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
1	Koderma TPP St-I, TPS- Jai Nagar, Distt-Koderma, Jharkhand State Unit-1	1000					Unit-I 1) Achieved full load. Unit-2 1) Boiler: Boiler erection started in Jan'09. Drum was lifted on 09.07.09. Boiler hydro test completed in Sept'10. Boiler light up was completed on 26.04.12. Pre Boiler flushing is completed. EDTA cleaning completed. SBO completed on 30.11.11. Normalization process is in progress. 2) TG: TG erection started in 06/11. TG box up completed. Oil flushing completed in 10/12. Deck floating is in progress and expected to be completed. TG will be put on Barring Gear on 25.12.2012. Coal Synchronization expected in 12/12 and commissioning in 01/13. 3) NDCT-II: Tower is complete. 4) CHP: Work is almost complete by L&T. Electrical connection is under progress. 5) Milling System: Coal Mill (RHS) with feeder will be ready by 20.12.2012. LHS- under progress. 6) Bunker Floor: Coal bunkering will commence from 25.12.12. 7) Ash Pond: The land for ash pond has been handed over to BHEL on 11.06.2012 and piping work from ASP to Ash Pond (F/A) will be completed by 30.12.12. 8) Intake Pump: One Pump has been commissioned.
		500	05/10 06/10	06/10	06/11(A) 07/11(A)		
		500	09/10 10/10	10/10	12/12 01/13		
	Unit-2						
	Investment approval. : 09.06.2004 (DVC Board)						
	Estimated cost : Rs.431300 Lakhs						
	Revised App. Project cost : Rs.558308 Lakhs						
	Exp. During 2006-07 : Rs 2529.17 Lakhs						
	Cumul. Exp. 2006-07 : Rs 2529.17 Lakhs						
	Exp. During 2007-08 : Rs 27556.00 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. 169159.00 Lakhs						
	Cumul. Exp. 2009-10 : Rs. 313138.17 Lakhs						
	Exp. During 2010-11 : Rs. 114075.00 Lakhs						
	Cumul. Exp. 2010-11 : Rs. 427213.17 Lakhs						
	Exp. During 2011-12 : Rs 86886.83 Lakhs						
	Cumul. Exp. 2011-12 : Rs 514100.00 Lakhs						
	Exp. During 2012-13 : Rs 41500.00 Lakhs (upto 10/12)						
	Cumul. Exp. 2011-12 : Rs 555600.00 Lakhs (upto 10/12)						
	Main Plant order Date : 29.06.2007 on BHEL(Turnkey)						
	Power Evacuation System:						
	a) 400 KV D/C Koderma-Bihar Sharif Line – (160 Ckm) to meet the startup power of KTPP- avl by end of July'10.						
	b) D/C LILO of 132 KV Barhi-Koderma Line at 220 KV Koderma S/Stn-16.376 Ckm to meet the startup power.						
	c) 400 KV D/C Koderma-Gaya Line 160 Ckm for the power evacuation of KTPP.						
	Fuel Supply Arrangement:						
	4.62 MTPA Coal from MCL, and Saharpur Jamarpani Coal block jointly allocated to DSTPP & KTPP with proposed use with RTPP PH-I & II and before this MCL will supply coal.						
Zero Date of Project : 21.07.2007							
Critical Areas		1. Supply of cannibalized/missing items by BHEL. 2. Readiness of AHP. Contingency plan for AHP					
		No work at site from 21.05.12 to 13.06.12 due to agitation for implementation of central wages for workers and now the labour problems has been resolved and work has been started from 14.06.2012					

BROAD STATUS OF TRIPURA CCPP THERMAL POWER PROJECT OF OTPC
(CENTRAL SECTOR PROJECT)

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. comm	COD	Syn. comm	COD		
II	PROJECT UNDER CONSTRUCTION							
1.	Tripura CCPP Village : Palatana Distt:Udaipur (Tripura) OTPC (JV of ONGC, Tripura State and IL&FS)	726.6					• 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. • LOI for Logistics has been placed on M/s ABC India Ltd on 17.3.10. • MoU signed on 30.11.10 for transportation of ODCs through Bangladesh's river and road routes. • Major long lead items ordered namely GT, Rotor forgings, STG etc. • Main plant civil works under progress. • GT-1 is lying at Kalkutta port for transportation to site in Tripura via Bangladesh. .	
		U#1	363.3	12/11	-	12/12		-
		U# 2	363.3	03/12	-	04/13		-
		Date of Approval by State Govt.		15.01.2007				
	Org. Est. cost		:Rs. 342900 lakhs					
	Latest cost		:Rs. 342900 lakhs					
	Exp. During 2008-9		: Rs 34737 lakhs					
	Exp. During 2009-10		: Rs 10300 lakhs					
	Exp. During 2010-11		: Rs. 96900 lakhs					
	Exp. During 2011-12		: Rs 66700 lakhs					
	Exp. During 2012-13(upto 11/12)		: Rs 56300 lakhs					
	Comm. Exp. Upto 11/2012		: Rs 265000 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 (EPC)					
	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					
		Critical Areas		•Transportation of heavy equipments to site. •Slow progress of civil works/ BOPs. •Transmission Lines/Power Evacuation. •Availability of start up power.				

NEYVELI LIGNITE CORPORATION

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			Syn. Comm	COD	Syn. Comm	COD	
1.	Neyveli TPS-II Exp* NLC(Distt. Cuddalore, TN.)	500					- Tata Consulting Engineers, Bangalore, appointed as project consultant. - Switch yard charged on 19.09.2009. CW system: Trial operation for U-II CW system carried out and completed on 27-06-12. PT plant commissioned. Chimney: and both CTs are completed. CTs taken into service. Startup: power: made available from 05-10-10. LHS: Lime handling system is in progress for U-2. Conveyor trial run up to U-2 completed. AHS: U-1 Ash handling system was taken in service for ash evacuation. Ash handling system completed for U-2. Preliminary operation for unit completed and initial operation is in progress for U-2. RO/DM: plant commissioned on 20-04- 2011. FP System: completed and is in service.
	U-1	250	11/08 02/09	02/09	05/11(A) 02/12(A)	11/12	Unit-1 Boiler: erection commenced on 28.04.2007. Boiler Drum lifted on 06.02.2008. Welding joints and pressure parts completed EDTA cleaning completed. Refractory work completed on 10.02.11 HT: conducted on 27/ 06/2009. BLU: done on 28-02-11. TG: Condenser and TG erection completed (04/10). Oil flushing activity completed. TG taken on barring gear on 18/02/1. - Boxed up done in 01/10. ESP: works completed. - Unit was synch on 18-05-11. Lignite firing done on 22-06-11. Blr re-lighted up on 23-01-12 and Re-synchronised on 25th Jan 12. The Unit achieved Full Load on 04-02-2012 at 22:42 hrs. Presently the unit is under forced shut down from 20-03-12 due to puncture in super heater tubes. Expected to be started in November 12
	U-2	250	03/09 06/09	06/09	01/13 02/13	03/13	Unit-2 Boiler: erection commenced on 25.07.07 and Boiler Drum lifted on 31.05.2008. Pressure parts, cyclones, FBHEs, fans and ducts erection in progress. 57124/57154 welding joints completed by 30-09-12. Insulation erection is in progress. Refractory: started on 02-04-11. 4400/4720 MT refractory material erected by 15th November, completion expected by 15th Dec 12. HT: conducted on 30/ 07/2010. Re-heater HT was done on 13-10-12. BLU: is expected in 12/12 Condenser: erection started on 16/ 06/09 Box-up: LP Turbine boxed up in 05/11. Turbine: erection started in 06/09. LP Turbine case leveling is completed. Generator stator lifted & positioned. Oil flushing, TG deck floating completed. TG put on barring gear on 09-08-12. ESP: Emergency electrodes erection completed in ‘B’ pass and to be started in ‘A’ pass. 2774/3089 MT material erected
	Date of TEC	19.8.02					
	Date of Sanction	18.10.04					
	Sanctioning Authority	CCEA					
	Est. Approved Cost	Rs 203078.00 Lakh					
	Latest Cost.	Rs 302729.00 Lakh					
	Exp. during 2004-2005.	Rs 585.00 Lakh					
	Exp. during 2005-2006.	Rs 16175.00 Lakh					
	Exp. during 2006-2007.	Rs 25239.00 Lakh					
	Exp. during 2007-2008.	Rs 73489.00 Lakh					
	Exp. during 2008-2009	Rs 50789.00 Lakh					
	Exp. during 2009-2010	Rs 28550.00 Lakh					
	Exp. during 2010-2011	Rs. 20877.00 Lakh					
	Exp. during 2011-2012	Rs. 24584.00 Lakh					
	Exp. during 2012-2013 (up to 11//2012)	Rs. 12090.00 Lakh					
	Total Expenditure	Rs 2537.63 Crores					
	Type of Fuel	Lignit					
	Date of Main Plant Order	:19-08-2005 on M/S BHEL					
	Zero Date	:19-8-2005					
	Fuel Linkage : Lignite linkage for 4.5 MTPA is available from Neyveli Exp. Mine-II vide Min. of Coal & Mines letter No. 43011/3/2004-Lig/CPAM dated. 18.10.04.						
	Associated Transmission System: PGCL is executing the following transmission line. Neyveli TS-II – Pugalur 400 kV D/C line charged on 19.09.2009.						
	* Project slipped from 10th plan						
	Note:- Unit -1was under forced shut down from 20-03-12 due to puncture in super heater coil in FBHE 2 and for refractory rectification works. Unit was in service from 08-11-12 to 25-01-12. Presently under shut down due to damage of refractory in seal pot-2.						
	Critical Areas		1. Shortage of HP Welders and Manpower 2. Refractory work for U-2. Replacement of bed material of U-1 3. Supply of Lignite bunker material 4. Repairing of punctured boiler tubes in U-1 5. Slow refractory work in U-2 and civil works in BFP house, Bed Ash and lime handling system areas. 6. Commercial issues between M/s BHEL and their sub contractors slowed down progress of works for last one year.				

STATE
&
PRIVATE
SECTOR

NORTHERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN DELHI

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
I.	PROJECTS UNDER CONSTRUCTION STATE SECTOR						
1.	Pragati III Power Project, Bawana Pragati Power Corp. Ltd.,GENCO, (Delhi) Block-I GT-1 } GT-2 } 3x250 ST-I } Block-II GT-3 } GT-4 } 3x250 ST-II }	1500 750 750	<u>03/10</u> 3/10 <u>05/10</u> 5/10 <u>07/10</u> 7/10 <u>07/10</u> 7/10 <u>09/10</u> 09/10 <u>11/10</u> 11/10		<u>10/10 (A)</u> 10/10 (A) <u>2/11(A)</u> 2/11(A) <u>10/11 (A)</u> 02/12 (A) <u>06/12(A)</u> 06/12(A) <u>02/13</u> 02/13 <u>03/13</u> 03/13	04/12 03/13	a) LOI issued to BHEL on 30.4.08. b) Contract signed on 30.5.08. c) Advance issued on 13.6.08. <u>GT#1</u> - Synchronised on 11.10.2010. - Commissioned on 24/10/10. - COD on 27.12.2011 in open cycle. <u>GT#2</u> - Synchronised on 09.02.2011. - Commissioned on 17/02/11. - Declared on COD wef 16.07.2012 (open cycle) and in combined cycle mode wef 14.12.2012. Now complete module- I is in combined cycle mode. <u>ST#1</u> - Synchronized on 03/10/2011 - Commissioned on 29/02/12 - ST-1 with GT-1 on COD wef 01.04.2012. <u>GT #3</u> - Synchronised on 26.06.2012. - Commissioned on 27/06/12. - COD expected in 03/2013. <u>GT # 4</u> - GT & Generator placed on foundation. - 16 Nos of combusters out of 18 nos erected . - Generator - Rotor insertion done. - Exhaust diffuser assembly completed. - Bypass stack support 2 nos of pillar placed - Turbine integral piping work in progress. - Lub oil pipeline acid cleaning in progress. - Synchronisation /Commissioning expected in 02/13. <u>STG-2</u> - Final alignment of Generator , HP, LP and IP turbine completed. - Oil flushing is about to start. - EOT crane erection completed. - Foundation ring erection of CEP completed. - Condenser tube insertion work in progress. - Commissioning expected in 03/13 - Commercial operation will be after availability of gas.
	Critical Areas	Delay in Civil work of cooling tower. Inadequate manpower. Road and drainage system in poor shape . Drain is upto module –I and require to be extended.					

BROAD STATUS OF THERMAL POWER PROJECTS IN HARYANA

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. (Com.)	COD	Syn. (Com.)	COD		
B.	PROJECT UNDER CONSTRUCTION							
PRIVATE SECTOR								
1.	Mahatma Gandhi TPP CLP Power India Ltd. (Distt-Hissar)	1320					a) NTP issued to M/s SEPCO III on BTG basis on 17.01.2009 (Zero date).	
	U-1	660	11/11 (12/11)	01/12	1/12(A) 1/12(A)	02/12	b) MOF&F clearance obtained on 24.04.2008.	
	U-2	660	03/12 (04/12)	07/12	03/12(A) (4/12)(A)	05/12	c) Coal linkage is obtained on 24.09.2007	
	Date of Sanction / Investment Decision							d) Chimney works awarded to M/s GDC, Shell casting using slip form completed. Flue can erection competed along with the interfacing duct & commissioned.
	Sanctioning Authority		Govt. of Haryana					e) Cooling tower work is awarded to M/s PCT. NDCT#1: Commissioned & in service.
	Est.approved cost		` 600000 Lakhs					f) NDCT#2:Pre-cast beam completed, and 85.44% erected.
	Expenditure during 2008-09		` 41890 Lakhs					g) CHP work is awarded to M/s Simplex. RCC hopper in wagon tippler completed. Erection of steel structure of wagon tippler house completed.
	Expenditure during 2009-10		` 108110 Lakhs					h) DM: Equipment erection, Cabling (C&I) completed. Commissioning activities in progress.
	Expenditure during 2010-11		` 254848 Lakhs					i) Raw Water Reservoir: Laying of RW pipe line 14.0/14.0 km and PCC/HDPE lining work completed.
	Expenditure during 2011-12		` 116739 Lakhs (upto 03/2012)					Unit-1
	Type of fuel		Coal					TG
	Fuel Linkage		A long term coal linkage has been awarded by the standing committee (SC(LT)) under Ministry of Coal, Govt. of India.					a) Installation and fill test of condenser completed.
	Order main plant		M/s SEPCOIII, China.					b) TG box up completed on 20.08.11.
	Power Evacuation system		2 double circuit lines of 400 kV from Jhajjar to Daulatabad, 2 double circuit lines of 400kV from Jhajjar to Deepalpur.					Boiler
	Critical Areas		Execution of Fuel supply agreement with CCL.					a) Boiler Hydro test completed on18.08.11.
								b) Boiler light up completed on 7.12.11 and steam blowing started on 8.12.11.
								c) Unit synchronized on 10.01.12
								d) Unit commissioned on 12.01.12.
								Unit-2
								TG
								a) TG box up completed.
								Boiler
								a) Boiler light up completed
								b) Unit synchronized on 29.03.12
								c) Unit commissioned on 11.04.12.

BROAD STATUS OF THERMAL POWER PROJECTS IN RAJASTHAN

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. Comm.	COD	Syn. Comm.	COD	
3.	Ramgarh CCPP RRVUNL (Distt. Baran)	160					BOPs a) Zero date of the project is 27.07.2009. b) Cooling Tower: All 7 fandeck cylinder completed, installation of motor is in progress.. c) DM Plant: Fabrication of 2 nos. of DM Tank completed. Building completed upto lintel level. d) CW & ACW system: Pipe fabrication work is in progress.. e) RW Reservoir: Laying of geomembrane film and PCC is in progress. f) Switch yard: All tower and gantry erected along with equipment. Equipment testing is completed. g) Work completed for GT, STG, ICT & UAT transformer. h) Cross country pipeline: 85% work completed. BTG a) Alignment of gas turbine, generator and exciter nearing completion. b) HRSG erection completed. Hydro test is expected in Nov.'12. c) Main stack and by-pass stack completed. d) GT: GT oil flushing started on 03.11.12. e) STG Building: STG deck casted on 30.10.12. All column of A, B & C row erected. f) Floor beam, grid beam & tie beam of 1.25m, 5.75m & 9.75m erected in BC bay, floor of +1.5m has been casted, LT panel erection in progress.
	GT	110	05/11 05/11		01/13 01/13		
	ST	50	09/11 10/11	12/11	07/13 08/13		
	Original Estimated cost		:Rs. 64000 lakhs				
	Latest Estimated cost		:Rs. 64000 lakhs				
	Expenditure during 2009-10		:Rs. 9933 lakhs				
	Expenditure during 2010-11		:Rs. 23791 lakhs				
	Expenditure during 2011-12		:Rs. 12685.2 lakhs				
	Expenditure During 2012-13 (upto 7/12)		:Rs. 2670.5 lakhs				
	Total Expenditure		:Rs. 490.80 Crores				
	Type of fuel		Gas				
	Fuel linkage						
	Date of main plant Order		M/s BHEL on 18.08.2009				
	Power evacuation system						
	Critical Areas		Delayed due to approval of BoP drawings				

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
C	Private Sector						
1	Jalipa Kapurdi TPP Raj West power ltd. (Distt. Barmer)	1080					BOPs a) 6.6kV/440V dry type transformers and turbine MCC charged b) 183 km of RW pipeline laid. Unit-1 Unit synchronized on 17.08.09, commissioned on 16.10.09 and COD achieved on 26 th Nov. 09. Unit-2 Unit synchronized on 16 th June’10, achieved full load on 8.7.10 and COD on 4 th Oct. 10. Unit-3 Unit synchronized in 01.05.11, achieved full load on 2.11.11 and COD on 7 th Nov. 11. Unit-4 Unit synchronized on 18.07.11, full load and COD achieved on 23.12.11. Unit-5 Unit synchronized on 30.03.12, full load expected in 2013-14. Unit-6 Unit synchronized on 23.06.12, full load expected in 2013-14. Unit-7 a) Boiler structure work 99% & APH erection 100% completed. b) Pressure part erection completed. Boiler hydro test conducted. Refractory application 70% completed. a) Turbine & Aux. 82% completed. b) Common chimney for Unit-7&8 completed. Unit-8 Unit synchronized in 29.10.12, full load expected in 2013-14.
U-1	135	09/09 (10/09)	10/09	08/09(A) 10/09(A)	11/09(A)		
U-2	135	10/09 (11/09)	11/09	6/10(A) 7/10(A)	10/10(A)		
U-3	135	12/09 (01/10)	01/10	05/11(A) 11/11(A)	11/11(A)		
U-4	135	02/10 (03/10)	03/10	07/11(A) 12/11(A)	12/11(A)		
U-5	135	05/10 (07/10)	07/10	3/12(A) (13-14)	-		
U-6	135	07/10 (08/10)	08/10	6/12(A) (13-14)	-		
U-7	135	08/10 (09/10)	09/10	12/12 (13-14)	-		
U-8	135	11/10 (12/10)	12/10	10/12(A) (13-14)	-		
Original Estimated cost			:Rs. 507500 lakhs				
Latest Estimated cost			:Rs. 608500 lakhs				
Expenditure During 2007-08			:Rs. 101886 lakhs				
Expenditure During 2008-09			:Rs. 236350 lakhs				
Expenditure During 2009-10			:Rs. 97093 lakhs				
Expenditure During 2010-11			:Rs. 73537 lakhs				
Expenditure During 2011-12 (up to 6/11)			:Rs. 22209 lakhs				
Expenditure During 2011-12 (up to 11/12)			:Rs. -				
Total Expenditure			:Rs. 5310.75 Crores				
Type of fuel			Lignite				
Fuel Linkage		Captive coal mines from Jallipa & Kapurdi, 40,000 MT coal from Indonesia.					
Date of main plant Order		3/07 on M/s Dongfang Electric Corp.					
Power evacuation system		400 KV Jhodpur – 1 nos. and Barmer – 2 nos. 200KV, Dohrimanna – 2 nos. & Barmer – 1nos.					
Critical Areas			High labour turn out rate, acquisition of balance land for Jalipa lignite mine and delay in development of Jalipa mine. Availability of permanent power supply for pumping station				

BROAD STATUS OF THERMAL POWER PROJECTS IN UTTAR PRADESH

[illegible]

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
2.	Harduaganj TPS Extn. UPRVUNL (Distt. Aligarh)	500					- Zero date of the project is 07.09.06. - Site handed over to M/s BHEL on 29th March'07.
	Unit-8	250	08/09 09/09	10/09	8/11 (A) 09/11(A)	02/12 (A)	BOPs: - Chimney erection and flue can erection for U# 8 completed in 03/11. - PCC work of wagon Tippler-1&2 Completed - DM tank foundation completed. - Cooling Tower is ready Unit-8: - Boiler drum lifting completed on 25/01/09. - Boiler hydraulic test is done on 30.11.09. - BLU on 25/03/2011 - TG box comleted on 10.02.2011. Unit Synchronised on 10/08/2011. Unit Commissioned on 27/09/11. Unit declared on COD on 01 / 02 / 2012 Unit-9: - Boiler drum lifting completed on 31/03/09. Unit Synchronised on 02/04/2012. Full load \ Commissioning achieved on 25.05.2012. COD expected in 04/2013
	Unit-9	250	12/09 01/10	02/10	04/12 (A) 05/12 (A)	04/13	
	Date of approval by State Govt.						
	Est. approved cost		Rs. 190000 lakhs				
	Latest Est. Cost		Rs. 260500 lakhs				
	Exp. during 2005-06		Rs. 41 . 00000 Lakhs				
	Exp. during 2006-07		Rs. 16476. 76386 lakhs				
	Exp. during 2007-08		Rs. 29264 . 83592 lakhs				
	Exp. during 2008-09		Rs.58955 . 22613 lakhs				
	Exp. during 2009-10		Rs 53853 . 20615 lakhs				
	Exp. during 2010-11		Rs 50644 . 85532 lakhs				
	Exp. during 2011-12		Rs 43248 . 10837 lakhs				
	Commulative Expd. Upto 03/2012.		Rs252483. 99576 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.				

WESTERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN CHHATTISGARH

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

PROJECTS INCLUDED IN 12TH PLAN

State Sector

1.	Marwa TPS (Dist: JanjgirChampa, CG) Chattisgarh)						1) Order issued to M/s BHEL for supply, erection, Testing & commissioning of BTG, Electrical and C&I of Rs. 1942 crores 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) Syn. of unit-1 is in 05/12 and COD is in 09/12 (45 months) and Syn. of unit-2 is in 07/12 and COD is in 11/12 (47 months).. 4) M/s Development Constructions Pvt.Ltd (DCPL, Kolkata) has appointed as consultants 5) NOC from AAI for new Chimney obtained on 12.05.09. 6) PPA: MOU executed with CSPDCL for sale of 100% power. 7) Construction of RCC Chimney and stack elevators work awarded to M/s Prasad & company, Hyd., on 04.03.10 by BHEL-PSER . Raft is completed. Shell concreting up to 270 M completed. Beam erection work completed expect 265 m and flue can erection expected to start in 10/12 and completed in 12/12. 8) BTG civil works awarded to M/s Bride & roof, Kolkata on 24.08.09. TG foundations under progress. M/s Indwell has been awarded for boiler erection agency by BHEL-PSER and erection work started on 15.02.10. U-1: Boiler erection started on 15.02.10. Boiler drum of U-1 lifted on 06.08.10. , 28352/41612 MT of Pressure Parts + non-pressure parts +ESP erected. HT completed on 05.10.11. BLU expected in 12/12. Civil works of both PA fans & 1 no. FD fan for U-1 completed. Mechanical erection U/P. Syn. by 03/13 and Full load 03/13. MDBFP for both units and TDBFP for both the units completed. U-2: Boiler drum lifted on 6.3.11. 20595 MT erected. MDBFP for U-2 completed. HT Completed on 06.09.12 (Drainable). Duct support ESP to Chimney U-2 U/P. PA & FD fan U/P. BLU expected in 02/13. TG : TG deck for U-1& U-2 completed. TG-1: Stiffener rod welding under progress. LP piping under progress. HPT centering position checked and load taken on bearing 1 & 2. SG&TG inlet &outlet piping erection U/P.CEP IB erection U/P. Turbine Lub.oil Piping U/P. IP turbine outer casing & inner casing placed in position Stator placed in position. TG box-up exp. In 02/13 TG-2: All the bearing leveling completed (Catnery tubes). Condenser side wall welding work completed. Deaerator HT completed. HP heater-6B placed in position. 32 TSP placed in position and weldind work U/P.
	Unit-1	500	05/12	09/12	2/13	03/13	
	Unit-2	500	07/12	11/12	04/13	09/13	
	Dt of App. By State Govt	: 18.01.08					
	Permission to establish	: Obtained on 05.05.08.					
	Est. approved cost (11/08)	: Rs. 473500 lakhs					
	Latest cost (02/09)	: Rs. 527730 lakhs					
	Latest cost (05/10)	: Rs. 631800 lakhs					
	Exp. Upto 03/07	: Rs 496.16 lakhs					
		:Rs 321 Lakhs					
	Exp. During 07-08	: Rs 39175 lakhs					
	Exp. During 08-09	: Rs 49580 lakhs					
	Exp. During 09-10	: Rs.100899 lakhs					
	Exp. During 10-11	Rs 143458 Lakhs					
	Exp During 11-12	Rs 62330 lakhs					
	Exp During 12-13(09/12)	Rs 396259Lakhs					
	Total Cumm. Exp. (up to 09/12)						
	Type of fuel	Coal					
	Financial Closure	: 31.03.08					
	Zero date	11.04.08 for BTG and 25.08.09 for BOPs					
	Date of Main Plant Order	: BTG on BHEL on 11.04.08 (supply, erection & commissioning of BTG and Electrical & C&I) BTG associated civil works-M/S BHEL ON31.12.08.					
	Power Evacuation	Work of power evacuation is being taken up by CSP Trans. Co.Ltd.. 4) Order placed for 400kV Marwa-Raipur DCDS line and route survey completed. ii) Construction of 400 kV Korba (W)-Khedamara DCDS line is in progress which shall be made in/out at Marwa. iii) 220 kV DCDS I/C Marwa-Champa line- profile is approved and order placed. iv) 220 kV DCDS Marwa- Bilaspur line is proposed					
	Financial Tie –Up	10% from own sources and 90 % from PFC. PFC sanctioned loan on 31.03.08.					

Power Purchase Agreement	MoU has been signed with CSPDCL for sale of 100% power.	9) LOI issued for other BOPs through ICB route on M/s BGR on 25.08.09.
FSA	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	10) ESP: unit-I – Control building, flooring work in various floor U/P.. U-II: Slab casting under progress. 11) NDCT: U-1 Ring beam work completed and construction of tower shell under progress 147.3 m done. Internal columns u/p. U:2: Ring beam work completed construction of tower shell U/P up to 18.6 m completed. 12) CHP: Track hopper work U/P and civil & structural work for TP-2 ,3,4,5,6,7,8 &10 . PCC &RCC works of Stacker/ re-claimer 11A-11B U/P. Track hopper MCC room civil works U/P. 13) AHP: Civil works under progress at ash silo & compressor room and HCSD pump house & MCC room. Supply of material started by BHEL. About 122908.877 MT boiler material, 19572.117 MT of ESP material and 17805.819 MT of Turbo generator material was received at site as on 30.09.12
Critical Areas	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. Requested CEA to take up the matter with MoC for enhancement of Coal linkage. FSA likely to be signed with shortly. 2) MOP has been requested to grant of Mega Power Project Status. 3) 422.692 Ha Pvt., Govt. land awarded and payment of compensation is in progress. 114.355 Ha forest land –stage-I clearance is obtained. Stage-II clearance is in progress. (i) PH area- 69.655 ha acquired/available, 124.658 ha – Awarded/Allotted. (ii) Ash Dyke & colony – Awarded, Disbursement of compensation in progress. (iii) Afforestation land 118.35 ha Awarded. 4) Parsa coal block has been allotted on 02.08.06 with GR of 150mt. HP and IP Turbine to be supplied. Exp. Date was 07/12. Generator 09/12 for U-2.	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
	PRIVATE SECTOR						
1	Kasaipalli TPP (Chakabura Vill., Distt. Korba) M/s ACB (India) Ltd (Aryan Coal Benefications Pvt. Ltd)	270					a) LOA has been issued on 25.11.08 on M/s Cethar Vessels Ltd , Thiruchirapalli on EPC basis at a total cost of Rs. 800 cr + taxes & duties (CFBC Boiler). b) Land acquired. c) Allocation of coal is still awaited. d) PPA was signed with GUVNL on 26.02.07 . e) 10 MCM Water allocated in Jan.,08. f) Environment clearance issued by the SEIAA on 22.12.08.
	Unit-1	135	10/10	11/10	10/11 (A)	12/11 (A)	Condenser, Generator & Turbine for unit-1 & 2 received at site .
	Unit-2	135	01/11	02/11	03/12 (A)	06/12 (A)	g) Cooling Towers: Cooling Tower-1: Completed Cooling Tower-2 :Completed.
	Date of TEC						h)CHP : Commissioned.
	Date of Approval by State Govt.						i)AHP: Commissioned.
	Est. approved cost						j)Chimney: Completed.
	Exp. Up to 31.03.09						Boiler:1
	Exp. During 09-10						Unit-1 commissioned on 13.12.11 Boiler-2. Synchronized in 03/12(A). Coal fired in 03/12(A) and running on at a load of 120 MW on 14.05.12. Boiler tube leakage occurred on 14.05.12. Unit is under shut down. After attending the tube leakage, unit was re synchronized and the unit was running at 130 MW , again, boiler tube leakage occurred. Now the unit is under shut down for attending leakage. Full load achieved on 21.06.12
	Exp. During 10-11						
	Exp. During 11-12						
	Exp. During 12-13 (06/12)						
	Cumm. Exp. (up to 06/12)						
	Financial Closure						
	Zero date						
	Type of fuel						
	Date of Main Plant Order						
	Power Evacuation						
	Critical Areas	Long term linkage for one million tones for blending submitted on 22.09.06. The energy department GoCG has recommended on 16.07.07. Allocation of Coal is still awaited.. Problem in jacking oil pump. Spare not available. It is being arranged from China.					

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Ant..		
			Syn.	Comm	Syn	Comm	
2	Swastik TPP M/s ACB (India) Ltd (Aryan Coal Benefications Pvt. Ltd)						CFBC Boiler awarded on 29.03.10 to M/s IJT, Noida and TG set awarded to Siemens, Baroda on 25.02.10 Land acquired. Water allocation: Allotted by Secretary (WRD) Govt. of Chhattisgarh MOEF Clearance: Obtained from Member Secretary , Chhattisgarh Environment Conservation Board. State Pollution Control Board Clearance: Obtained from Member Secretary, Chhattisgarh Environment Conservation Board. Civil Aviation Clearance: Obtained from Airport Authority of India. HT completed. BLU expected in 01/13. SBO expected in 01/13 and Synchronisation expected in 02.13. Full load expected in 03/13. (90% work completed in boiler area and all major equipment placed on foundation in TG side and alignment work is completed; TG box-up expected in 12/12 (2 nd week), Oil flushing and barring gear expected in 12/12.). Refractory work is under progress. 70% Main Plant civil & structural work completed. CHP: Civil works under progress. Fabrication & erection of trestles of conveyors U/P. AHP: Civil works under progress. Cooling Tower: Erection work under progress. Chimney: completed Project got delayed due to delay in refractory work of boiler by M/s IJT and demobilization of site CHP and AHP work by M/s OSM- OSM wanted price escalation due ro variation in weight of structure.- Matter resolved and time taken to re-mobilization of site .
Unit-1	25	06/12	06/12	12/12	03/13		
Date of TEC							
Date of Approval by State Govt.							
Est. Org. cost (1x20 MW)		: Rs 13600 Lakhs					
Latest Cost		: Rs. 14200 lakhs					
Exp. 2010-11		: Rs. 5805 Lakhs					
Exp. In the year 2011-12		: Rs 6263 lakhs					
Exp. In the year 2012-13 (10/12)		: Rs. 2084 lakhs					
Cumm. Exp. (up to 10/12)		: Rs14150 Lakhs					
Financial Closure							
Type of fuel		Washery reject coal					
Date of Main Plant Order							
PPA		PTC					
FSA		Under consideration with MOC					
Power Evacuation							
Critical Areas		Project is washery reject based for which policy is yet to be finalised by the Govt.					

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Act.(A) / Ant.			
			Syn.	Comm	Syn.	Comm		
10	Salora TPP (Katghora Tal; Distt. Korba) M/s Vandana Vidyut Ltd	540					a) LOA has been issued on 21.01.08 on M/s Cethar Vessels Ltd , Thiruchirapalli on BTG basis , Boiler : Cethar Vessels Ltd, Turbine Genarator: M/s Harbine Turbine Co.Ltd, China b) Land : Required 261 Ha , Possession : 260.899 Ha. c) Allocation of coal is from Fatehpur East Coal Block (Jointly) allotted by MOC and tapering coal linkage granted for 2x135 MW on 29.01.10 from SLC, LT meeting of MOC, for 2nd phase of 1x270 MW under process with MoC. Carpet coal recommended for CEA for startup of 1st unit. d) PPA was signed with CSPTCLL on 05.01.11 e) 18 MCM Water allocated by WRD, Govt.of C.G from Hasdeo River. f) MOEF clearance obtained on 09.06.09.and State pollution clearance obtained on 09.03.09.Civil aviation clearance obtained on 24.04.09. g) Cooling :Under progress h) CHP : :Under progress i) AHP: Under progress j) Chimney: Under progress Switchyard Back-charged on 29.09.12 Boiler:1 h) Erection of Boiler-1 started in 11/10. Boiler Drum lifted on 23.02.11. HT completed on 28.01.12.BLU expected in 12/12. Syn. expected in 01/2013 and F.L exp. By 01/13. TG-1: TG erection started in 11/11and TG box-up completed in 07/12 Boiler-2 : Boiler erection started in 11/10 and drum lifted in 04/11. HT completed in 10/12 and BLU by 02/13. Synchronization expected by 07/13 and full load by 08/13. TG-2: TG erection started in 11/11and TG box-up expected in 12/12 .	
	Unit-1	135	06/11	06/11	11/12	01/13		
	Unit-2	135	09/11	09/11	04/13	08/13		
	Unit-3	270			03/14	03/14		
	Date of TEC	: Not Required						
	Date of Approval by State Govt.	MOU with State Govt. on 04.05.07 and implementation agreement with state Govt. 01.08.09						
	Est. approved cost (2x135 MW)	: Rs.145844 lakhs						
	Exp. During 2009-10	:Rs 14441 lakhs						
	Exp. During 2010-11	: Rs . 43617 lakhs						
	Exp. During 2011-12	: Rs . 88942 lakhs						
	Exp. During 2012-13 (07/12)	: Rs . 2200 lakhs						
	Cumm. Exp. (up to 07/12)	Rs 149200 lakhs						
	Financial Closure	: Achieved						
	Zero date	:						
	Type of fuel	:						
Date of Main Plant Order	: on M/s Cethar Vessels Ltd in Nov.,08 (BTG)							
Power Evacuation	: PGCIL granted LTOA & BPTA executed on 24.02.10. LILO line construction is completed. Elect. Inspectorate ,CEA (WR) has given approval for LILO and 400 Kv switchyard on 04.08.12.							
	Critical Areas	Start up / carpet coal MOU is pending with SECL. FSA execution is pending with SECL						

BROAD STATUS OF THERMAL POWER PROJECTS IN GUJARAT

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
	State Sector						
1	Pipavav CCPP, Ph-I,GSPC PIPAVAV Power Cop.Ltd. Distt: Amreli GPPC	702					1. All required clearances are available. 2. Sea water intake and outfall system is ready (GPPC). 3. Switchyard back-charging completed on 22.10.11. 4. Power evacuation arrangement ready for 900MW from 07/12. 5. BHEL, Hyderabad supplied GT-1 damaged compressor rotor for Blk-1. BHEL to replace by new balanced compressor rotor. 6. Blk-II GT erection progress is very slow due to poor support from BHEL-Hyderabad and less manpower of M/s Indwell. Till date only 50% erection work completed. Poor quality of on base pipes is further delaying the erection work. 7. Work progress is slow on commissioning of RO-DM plant. 8. On 08.08.09, truck carrying GT-1 from Mudra port to Pipavav site fell into river due to collapse of 3 rd span slab of the bridge over Shetrunji river near Bhavnagar (about 100 km from site). CMD, BHEL confirmed that new GT will be supplied to the site. 9. HRSG-1&2: HRSG -1 erection started on 24.11.09.Erection of HRSG-2. Started in 02/10.HRSG-1, HT completed in 11/11. ABO & SBO start is on hold. HT for HRSG-2 completed in 10/12. ABO is expected in 01/13. SBO start is expected by 03.02.13 and completion by 15.02.13. 10. GT-1&2: Supply of GT-1 is received at site on 10.7.11 and GT-2 received at site on 01.12.11.GT-1 erection started in 09/11. Now work on Blk-I is on hold due to supply of damaged compressor rotor of GT-1. GT-2 erection started on 01.12.11. GT-2 Lube oil flushing is in progress and completion is expected by 20.11.12. GT-2 turning gear operation is expected on 28.12.12. FSNL is expected by 25.01.13. GT-2 synchronization is expected on 25.01.13. 11. ST-I&II: ST-I supply of HP-IP & LPT turbine received at site. Erection started on 22.10.11. ST-I box up is expected on 31.03.13. ST-II supply (LP Rotor) completed in 12/11 and its erection started in 12/11. Some of the supply of ST is still pending. STG boxed up on 06.10.12. TG oil flushing is in progress and its completion is expected by 27.11.12. STG-II turning gear operation is expected on 15.12.12. ST-II synchronization is expected on 28.02.13. Combined cycle commissioning is expected on 07.03.13. 12. There is no provision of by pass stack hence GTs can not run in open cycle.
Block-I	351	07/10	09/10	@	@		
Block-II	351	10/10	11/10	02/13	03/13		
Date of TEC		: Not Required					
Org.Est. cost		: Rs.235429 Lakhs					
Latest cost		: Rs.254558 Lakhs					
Exp. Upto 03/08		: Rs. 23214 Lakhs					
Exp. During 08-09		: Rs. 8272 Lakhs					
Exp. During 09-10		: Rs. 40247 Lakhs					
Exp. During 10-11		: Rs. 55841 Lakhs					
Exp. During 11-12		: Rs. 69524 Lakhs					
Exp. During 12-13 (Upto 07/12)		: Rs. 7729 Lakhs					
Total Exp.(Upto 07/12)		:Rs.204827 Lakhs					
Financial closure		: 24/01/08					
Type of fuel		: Natural Gas(base fuel)/LNG (3.2 mcmd gas from GSPC)					
Source and supply of Fuel		: Gas supply agreement with M/s GSPC and Gas transportation agreement with M/s GSPL					
Date of Main Plant Order		: LOA on 27 /12 /07 , BHEL (actual order in March 08)					
Zero date of the project		: 29/03/08					
Notice To Proceed(NTP)		:29.03.08					
Power Evacuation		: 3 Double Ckt 220 kV line to be erected by GETCO: 1. Pipavav- Saverkundla line 2. Pipavav- Dhokabada line 3. Pipavav- Mahuva line					
Critical Areas		Supply of pending DUs for GT-2 from BHEL Hyderabad and other BHEL units is critical. BHEL/BJCL is slow in execution of civil works.(less manpower) All the jobs of unit-1 on hold due to Gas Turbine rotor Damage since 12.02.12.FF system, ECP, RODM, CW&ACW DG set and Expansion bellows					

2.	UkaiTPS Extn. Unit-6 GSECL, Dist : Tapi, Gujarat	500	Commissioning Schedule				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.
			Original		Actual(A) / As now Expected		
	Unit-6	500	Syn.	Comm.	Syn.	Comm.	Boiler 1. Boiler erection started in 06.05.09. 2. Boiler Drum lifted on 31.12.2009 3. Hydraulic test completed on 14.10.10. 4. BLU completed on 07.03.12. 5. EDTA completed in 04/12. 6. SBO started in 06/12 and completed in 08/12. 7. Oil synchronization achieved on 01.10.12. 8. Coal synchronization is expected in 01/13. 9. Full load is expected by 03/13.
	Date of TEC		12/10	01/11	10/12 (A)	03/13	
	Date of TEC		: Not Required				
	Org.Est. cost		: Rs. 195000 Lacs				
	Latest cost		: Rs. 213500 Lacs				
	Exp. During 07-08		: Rs. 11750.00 Lacs				
	Exp. During 08-09		: Rs. 23484.36 Lacs				
	Exp. During 09-10		: Rs. 47076.96 Lacs				
	Exp. During 10-11		: Rs. 62383.64 Lacs				
	Exp. During 11-12		: Rs 40864.89 Lacs				
	Exp. During 12-13 (up to 09/12)		: Rs 57918.35 Lakh				
	Total Expenditure (upto 09/12)		: Rs.243565.06 Lakh				
	Financial Closure		: 21.09.07				
	Type of fuel		: Coal				
	Date of Main Plant Order		: 07.09.07 .on M/s BHEL (EPC)				
	Zero Date of the Project		: 06.10.07				
	Critical Areas		Completion of water system, RHS Milling system,AHP&CHP. There was delay in placement of order for BOPs such as PT,DM,AC,FO,C&I, switchgear, HT/LT, power Transformer, Fire Protection and Insulation etc. Compactness of site.				

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.
- Boiler**
1. Boiler erection started in 06.05.09.
 2. Boiler Drum lifted on 31.12.2009
 3. Hydraulic test completed on 14.10.10.
 4. BLU completed on 07.03.12.
 5. EDTA completed in 04/12.
 6. SBO started in 06/12 and completed in 08/12.
 7. **Oil synchronization achieved on 01.10.12.**
 8. Coal synchronization is expected in 01/13.
 9. Full load is expected by 03/13.
- TG**
1. T.G deck casting completed.
 2. TG Erection started on 12.07.11.
 3. TG box up completed on 27.02.12
 4. TG oil flushing completed in 07/12.
 5. TG deck floating completed in 09/12.
 6. **TG put on BG on 21.09.12.**

3.	Salaya TPP Ph-I. Unit-1&2 Essar Power, Gujarat	Capacity(MW)	Commissioning Schedule			1. MOE&F clearance obtained on 17.07.09. 2. BTG:-Harbin Power Equipment. 3. Coal Linkage:-Imported coal from Indonesia/Mozambique. <u>Unit-II</u> 1. HT completed on 13.09.11. 2. BLU completed on 26.02.12. 3. TG box up completed on 20.02.12. 4. Synchronised on 03.04.12. 5. Full load achieved on 13.06.12 6. Achieved COD on 15.06.12.
			Original	Actual(A) / As now Expected		
			Syn Comm.	Syn.	Comm.	
	Unit-2	600		03.04.12 (A)	13.06.12 (A)	
	Date of TEC		: Not Required			
	Org.Est. cost		: Rs. 482000 Lacs (including U-1)			
	Latest cost		: Rs. 482000 Lacs (Including U-1)			
	Exp. During 07-08					
	Exp. During 08-09					
	Exp. During 09-10					
	Exp. During 10-11					
	Exp. During 11-12					
	Total Expenditure(upto 04/12)		396486			
	Financial Closure		: 09/09.			
	Type of fuel		: Coal			
Date of Main Plant Order		: 21.11.2007.on M/s Harbin Power				
Zero Date of the Project		: 09/09.				
Critical Areas						

BROAD STATUS OF THERMAL POWER PROJECTS IN MADHYA PRADESH

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
STATE SECTOR								
1.	SatpuraTPS Extn.(Sarni) (Dist. Betul) MPPGCL	500					Unit-10 - Boiler erection started on 8/ 04/10. - Boiler erection agency is M/s Indwell in 2/10 by BHEL. - Drum lifted in 12/10. - Hyd test completed on 4.11.11. - ST and associated 6.6 KV station bus test charged on 27.09.12. - Mech. Erection of APH(A/B),ID(A/B),FD(A),PA fan A, coal mills-CDEF and BFP-ABC are in progress. - BLU completed on 10.10.12. - SBO completion expected in 12/12. - TG deck casting completed on 30.4.11. - Condenser erection started in 7/11. - Condenser tube expansion & cutting completed and condenser filling started on 27.09.12. - TG erection started in 12/11. - LP inner-inner & inner-outer preliminary roll check completed. Preliminary alignment of rotors, coupling run out & preliminary swing check completed. LP outer-outer casing fabrication u/p. Lube oil piping u/p. - TG box up completion expected in 12/12. - TG oil flushing completion expected in 12/12. - Syn. Expected in 01/13. - Full load expected in 02/13. Unit-11 - Boiler erection started on 1/ 07/10. - Drum lifted in 2/11. - Hyd test completed on 30.04.12. 2nd flue can erection preparation is in progress. - Condenser erection started on 18.08.12. - TG deck casting completed in 10/11. - Color matching of pedestal's embedded plates is in progress. - TG box up expected in 03/13. - Syn. Expected in 05/13. - Full load expected in 06/13. BOPs NDCT: U-10- fill and distribution pipe erection in pass A is u/p. U-11- 13/72 lift of shell wall compl. CHP: WT1 and Stacker mech. Work is u/p. Str. Erec. Of Primary and secondary crusher house is u/p. DM Plant: Functional from 28.09.12. AHP: Civil works u/p. 28020/52000 RM ash slurry pipeline completed. Water fill test of Bottom ash hopper U-10 comp. Ash silo-1 & 2 Mech. Erec. u/p.	
	Unit-10	250	01/12 02/12	03/12	01/13 02/13	03/13		
	Unit-11	250	03/12 04/12	05/12	05/13 06/13	07/13		
	State Govt. approval	: Accorded on 29.06.06						
	Org Est. approved cost	: Rs. 235000 Lakhs						
	Latest Cost	: Rs. 303234 Lakhs						
	Exp.2007-08	: Rs. 15141 Lakhs						
	Exp. 2008-09	: Rs. 89 Lakhs						
	Exp. 2009-10	: Rs 10583 Lakhs						
	Exp. 2010-11	: Rs 57040 Lakhs						
	Exp. 2011-12	: Rs 83416 Lakhs						
	Exp. 2012-13 (Up to 8/12)	: Rs 42570 Lakhs						
	Cumulative Exp Till 8/12	: Rs 208839 lakhs						
	Zero Date	:27.02.09						
	Type of fuel	: COAL(Linkage awaited) By WCL for 1.85 mtpa.						
	MOEF clearance	: 27.02.09.						
	Project Consultant	: M/s Desein, Delhi						
	Main plant civil work agency	: M/s Sunil Hitech.						
	EPC for BOP	: M/s McNally Bharat.						
	Date of Main Plant Order	: LOA placed on 31.03.08 on M/s BHEL (BTG)						
	Critical Areas		Escrow cover for PFC. Slow progress of work by BHEL .Man power shortage. Delay in TG supplies/erection by BHEL. Delay in CHP.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. Comm	COD	Syn. Comm	COD	
	Private Sector						
1.	Bina TPP (Dist. Sagar) Bina Power Supply Co. Ltd.	500					- Order for CHP & AHP has been placed in 11/2009. - CW system awarded to M/s Kirloskar, DM/PT to Driplex, and Switchyard to M/s Areva in 10/09.
	Unit-1	250	06/11 08/11	09/11	8/12(A) 8/12(A)	11/12	Unit-1
	Unit-2	250	09/11 11/11	12/11	02/13 02/13	03/13	- Boiler erection started in 07/09. - Boiler drum lifted on 24.03.10. - HT done in 2/11. - Boiler lighted up in 2/12. - TG erection started in 10/10. - TG box up completed in 7/11. - Unit synchronized on 27.06.12 with oil. - Coal firing done in July, 2012. - Syn.(coal) Achieved on 01.08.12. - FL achieved on 12.08.12.
	State Govt. approval	:-					
	Org Est. approved cost	: Rs. 275000 Lakhs					
	Latest Cost	: Rs. 324000 Lakhs					
	Exp. 2008-09	: Rs 4000 Lakhs					
	Exp. 2009-10	: Rs 61300 Lakhs					
	Exp. 2010-11 (up to 1/11)	: Rs 82100 Lakhs					
	Cumulative Exp Till 6/12	: Rs. 295200 Lakhs					
	Zero Date	09/2009					
	Environment Clearance	05.08.09					
	Main Plant civil work agency	M/s Jaiprakash Associates Limited.					
	Power Evacuation	Open access approval received.					
	Financial Closure	Nov-09 for initial project cost.					
	Coal Linkage	LOA received, FSA with CCL signed. FSA with SECL in progress.					
	PPA	Finalised and Signed.					
	Date of Main Plant Order	: LOI placed on M/s BHEL on 20.09.08 (BTG).					
	Critical Areas						

BROAD STATUS OF THERMAL POWER PROJECTS IN MAHARASHTRA

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
Private Sector							
1.	Tirora TPP ,Ph-I (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	1320					1. All clearances are available. 2. Zero date of the project is 06.09.07. 3. Mega status requested for the project. 4. Design & Engineering completed. 5. All the BOPs have been completed.
	Unit-1	660	03/11	04/11)	08/12 (A)	09/12 (A)	Unit-1 Boiler
	Unit-2	660	06/11	07/11	12/12	12/12	1. Boiler erection started on 07.10.09. 2. Boiler HT completed on 26.03.11. 3. BLU achieved on 29.02.12. 4. SBO completed on 06.04.12. 5. Coal synchronization achieved on 28.08.12. 6. Achieved load upto 140MW with two mills meanwhile there was gas formation in GT (BHEL). GT is being replaced so full load will go to Sep.12. 7. Unit resynchronized on 02.09.12. 8. Full load is achieved on 11.09.12. 9. COD achieved on 23.09.12
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.656000 lakhs					
	Latest Cost	:Rs. 730900 lakhs					
	Exp. upto 03/09	: Rs. 31835 lakhs					
	Exp. During 09-10	: Rs. 53304 Lakhs					
	Exp. During 10-11	: Rs. 365061 Lakhs					
	Exp. During 11-12	: Rs. 221400Lakhs					
	Exp. During 12-13 (Upto 06/12)	: Rs. 27300Lakhs					
	Total Exp.(upto 06/12)	:Rs. 698900Lakhs					
	Financial Closure	: Achieved on 20.08.09					
	Type of fuel	:Coal					
	Fuel Linkage	:Imported Coal (very low Sulphur & Ash content)					
	Date of Main Plant Order (Boiler-Babcock, China) (TG-BSTG,China)	BTG Contract awarded to SCMEC China on 28.02.08					
	Zero date of the project	: 28.02.08					
	Power Evacuation System: yet to start						TG
							1. TG erection started on 01.08.10. 2. TG Box up completed on 31.05.11. 3. Oil Flushing completed on 30.01.12. 4. TG put on barring gear on 15.02.12.
							Unit-2 Boiler
							1.Boiler erection started on 11.12.09. 2.Boiler HT completed on 31.08.11. 3.BLU is achieved on 12.12.12. 4.SBO completion is expected by 25.12.12. 5.JTN work almost completed. 6.Coal synchronization is expected by end 12/12. 7.Full load is expected in 01/13.
							TG
							1.Condenser erection started on 25.01.11. 2.TG box up completed on 26.04.12. 3.TG oil flushing completed in 11/12. 4.TG put on BG in 12/12.
	Critical Areas	Accordance of Mega Status. Power evacuation system. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited.400 KV Transmission line Forest Clearance awaited for 15 Nos. foundations. Presently matter is pending at MOEF, Delhi and expected to be completed by end of April, 12 (Matter resolved now). Unit-1 is ready for Synchronization. ATS readiness is achieved on 25.08.12. Line successfully charged on 25.08.12.					

2.	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. The BOPs are common for three units. All the BOPs are ready.
	Unit-1	660	09/11	10/11	03/13	03/13	Unit-1 Boiler 1. Boiler erection started on 15.04.10. 2. Boiler HT completed on 26.03.12. 3. BLU is expected in 12/12. 4. SBO completion is expected in 12/12. 5. Coal synch. is expected in 01/13. 6. Full load is expected in 01/13.
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.899300 Lakhs (Incl.cost of U-2&3also)					
	Latest Cost	:Rs.963500 lakhs(Incl.cost of U-2&3also)					
	Exp. upto 03/10	: Rs. 26822 Lakhs					
	Exp. During 10-11	: Rs. 96342Lakhs					
	Exp. During 11-12	: Rs. 358400Lakhs					
	Exp. During 12-13 (Up to 06/12)	: Rs. 124700Lakhs					
	Total Exp.(upto 06/12)	:Rs. 729500 Lakhs					
	Financial Closure	: Achieved on 18.09.09					
	Type of fuel	:Coal					
	Fuel Linkage	Imported Coal (very low Sulphur & Ash content)					
	Date of Main Plant Order (Boiler-Babcock, China) (TG-BSTG,China)	BTG Contract awarded to SCMEC China on 28.02.08					
	Zero date of the project	: 28.02.08					
	Power Evacuation System: Tirora- Warora 400kV D/C line : Warora- Wardha 400 kV D/C Line						
Critical Areas		Adani is the owner of these lines and is expected to keep the commissioning of line matched with station though there is a forest clearance issue for 15 locations. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
3.	Tirora TPP ,Ph-II (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	1320					1. All clearances are available. 2. Zero date of the project is 05.11.09. 3. Design & Engineering is in progress. 4. The order for all the BOPs have been placed and progressing as per schedule. BOPs are common for both the units.
	Unit-2	660	05/12	07/12	02/13	03/13	Unit-2 Boiler
	Unit-3	660	08/12	10/12	07/13	08/13	1. Boiler erection started on 06.12.10. 2. Boiler HT completed on 25. 09.12. 3. BLU is expected in 01/13. 4. SBO completion is expected in 02/13. 5. Coal synchronization is expected in 02/13. 6. Full load is expected in 03/13.
	Date of Letter of support from State Govt.	: 17.02.10					
	Org.Est. cost	: Rs.629000 Lakh					
	Exp. upto 03/10	: Rs. Incl in U-1					
	Exp. upto 03/11	: Rs. Incl in U-1					
	Exp. upto 03/12	: Rs. Incl in U-1					
	Exp. During 12-13 (Up to 06/12)	:Rs. Incl in U-1					
	Total Exp. Upto 06/12	:Rs. Incl in U-1					
	Financial Closure	: Achieved on 20.08.09					
	Type of fuel	:Coal					
	Fuel Linkage	:					
	Date of Main Plant Order (BTG is being sourced from SEC China)	EPC Contract awarded to SCMEC China on 05.11.09					
	Zero date of the project	: 05.11.09					
	Power Evacuation System: The power will be evacuated through 400kV Double Circuit line with quad conductor from Tirora to Warora and 765kV transmission system from Tirora to Koradi to Akola to Aurangabad. The construction of 400kV Double Circuit line is in full swing.						
	Critical Areas	Coal Allocation/ Long Term Coal Linkage for Unit#2 & Unit#3 is awaited from MoC.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
4.	Bela Thermal Power Project (Distt. Nagpur) M/s Ideal Energy Projects Limited (IEPL)	270					1. All required clearances are available. 2. Zero date of the project is 06.12.08. 3. Order for all the BOPs have been placed on 29.07.09 on M/s McNally Bharat Engg. Co.Ltd. Kolkata (MBE) on EPC basis. 4. FSA with SECL signed. 5. BHEL have opened site office on 16.08.09. 6. M/s MBE have mobilized site on 22.09.09.
	Unit - 1	270	10/11	12/11	12/12	01/13	Unit-1
	Date of Approval by State Govt.	: N.A.					Boiler
	Original Est. cost.	: Rs- 147700 Lakhs					1. Boiler front handed over to BHEL by MBE.
	Latest Cost	: Rs. 147700 Lakhs					2. Boiler material supply started from 29.11.09.
	Exp. Upto 03/09	: Rs. 7200 lakhs					3. Boiler erection started on 06.03.10 against the original schedule of 26.12.09.
	Exp. During 09-10	: Rs. 16451Lakhs.					4. Boiler drum lifting completed on 25.08.10.
	Exp. During 10-11	: Rs. 54409Lakhs					5. Boiler HT(D) achieved on 06.06.11.
	Exp. During 11-12	: Rs54058Lakhs					6. Boiler HT (Non-Drainable) completed on 24.02.12.
	Exp. During 12-13	:Rs.163.82 Lakhs					7. BLU achieved on 29.02.12.
	Total Exp.(Upto 08/12)	:Rs148500 Lakhs					8. EDTA completed from 1.4.12 to 6.4.12.
	Type of fuel	: Coal					9. SBO started on 04.05.12 and completed on 25.05.12.
	Fuel Linkage	:From WCL and MCL					10. Synch. is expected in 11/12.
	FSA	: FSA with SECL in progress.					11. Coal firing is expected on 11/12.
	Financial closure	: Achieved in 10/09					12. Full load is expected in 12/12.
	Date of Main Plant Order	: Placed on M/s BHEL on 6.12.08 for BTG.					13. COD is expected in 12/12.
	Power Evacuation System: M/s IEPL has been granted connectivity & open access on 400KV Koradi-Wardha Double Circuit line.					TG	1. Condenser erection started on 20.09.10.
							2. TG erection started on 20.09.10.
							3. TG box up completed on 14.03.12.
							4. TG oil flushing started on 28.05.12 and completed On 30.06.12.
							5. TG put on BG on 12.09.12.
	Critical Areas		Commissioning of Koradi-Wardha 400kV double circuit line. (Required for Start up Power) BHEL supplies of generator stator from Haridwar. Regular Chimney is ready (Brick lining work is in progress).BLU and EDTA has been carried out through temporary Chimney. Synchronisation and full load is getting delayed due to non availability of Start up power and readiness of power evacuation system by MSETCL (ROW Issue). As a contingency arrangement PGCIL has granted start up power connectivity on Mouda-Deoli 400KV PGCIL line by providing LILO arrangement. Work on last tower is also completed on 22.10.12. Other formal clearances are in progress.Start up power received on 15.12.12. Switchyard back charged on 16.12.12.				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
6.	Butibori TPP, Ph- II, (Ph-I is CPP) (Distt: Nagpur) M/s Vidarbha Industries Power Ltd.	300					1. All clearances are available. 2. The order for civil & structural work (GCW) has placed on M/s JMC. 3. DM Plant commissioned on 05.10.11. 4. Chimney is ready for BLU. 5. Switchyard is ready for back charging (21.11.11).
	Unit-1	300	12/11	01/12	06/12(A)	08/12 (A)	
	Org.Est. cost	: Rs.160000 lakhs					Unit-1 Boiler
	Latest Cost	: Rs.160000 lakhs					
	Exp. upto 03/10	: Rs 940 lakh					1. Civil works started on 01.06.10. 2. Boiler erection started in 10/10. 3. Boiler drum lifting is completed. 4. Boiler HT (ND) completed on 27.10.11. 5. BLU completed on 27.03.12. 6. SBO started on 13.04.12 and completed on 27.04.12. 7. Unit normalization completed. 8. Synch achieved on 25.06.12. 9. Coal Firing achieved on 25.06.12. 10. Full load achieved on 17.08.12. 1. COD pending for the want of coal.
	Exp. During 10-11	:Rs 15440 lakh					
	Exp. During 11-12	: Rs 86400 lakh					
	Exp. During 12-13 (Upto 07/12)	: Rs.9900 lakh					
	Total Expenditure (upto 07/12)	:Rs.112700 lakhs					
	Financial Closure	Expected in 10/10					
	Type of fuel	:Coal					
	FSA	: Available					
	Fuel Linkage	: Available, WCL, 1.11million tones per annum					
	EPC contract awarded to:	: M/s Reliance Infrastructure Limited.					
	Date of Main Plant Order (Boiler &TG from SEC, China)	:BTG Contract awarded to Shanghai Electric Company China on 16.12.09.					TG 1. Civil works started on 01.06.10. 2. TG erection started. 3. TG Box up completed in 04/12. 4. TG put on BG in 04/12.
	Power Evacuation System: MSTECL Grid. 220 kV D/C power evacuation transmission line is ready for energisation.						
	Critical Areas		There was problem in mills and turbine bearing, problem already attended. Mill commissioning is in progress.				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
9.	EMCO Warora TPP, Ph-I &II , (Distt: Chandrapur) M/s EMCO Energy.Ltd (A wholly owned subsidiary of GMR Energy Ltd.)	600					1. All clearances are available. 2. Order for all the BOPs have already been placed. 3. M/s TCE Consulting Engineers, Bangalore are owner's engineers. 4. All the BOPs are progressing well. Unit-1 Boiler 1. Boiler erection started in 12/10. 2. Boiler Drum lifted in 05/11. 3. HT (Non-Drainable) completed in 01/12. 4. EDTA completed on 21.07.12. 5. BLU completed on 29.08.12. 6. SBO started on 02.10.12 and completed on 14.10.12. 7. Normalization completed. Testing of HT motors is in progress. 8. Oil Synch. achieved on 10.12.12. 9. Milling system and CHP is nearing completion. 10. Coal synch. is expected in 12/12. 11. Full load is expected in 01/13. TG 1. Condenser erection started on 18.07.11. 2. TG erection started on 12.12.11. 3. TG box up completed on 13.05.12. 4. TG oil flushing completed on 05.09.12. 5. TG put on BG on 15.09.12. Unit-2 Boiler 1. Boiler erection started in 02/11. 2. Drum lifting completed in 08/11. 3. Boiler HT (ND) completed on 24.07.12. 4. EDTA is expected in 12/12. 5. BLU is expected in 02/13. 6. SBO completion is expected in 02/13. 7. Oil synch. is expected in 03/13. 8. Coal synch. is expected in 03/13. 9. Full load is expected in 04/13. TG 1. Condenser erection started on 19.03.12. 2. TG erection started on 21.02.12. 3. TG box up is expected in 01/13. 4. TG on BG is expected in 02/13.
	Unit-1	300	09/11	11/11	12/12(A)	01/13	
	Unit-2	300	12/11	02/12	12/12	02/13	
	Org.Est. cost		: Rs.348000 lakhs				
	Latest Est.Cost		: Rs.348000 lakhs				
	Exp. upto 03/10		: Rs.30300 lakhs				
	Exp. During 10-11		: Rs.50600 Lakh				
	Exp. During 11-12		: Rs.191700 Lakh				
	Exp. During 12-13 (Upto 07/12)		: Rs.35500 Lakh				
	Total Exp.(upto 07/12)		: Rs. 313500Lakhs				
	Financial Closure		Achieved on -----				
	Type of fuel		:Coal				
	FSA		: Available				
	Fuel Linkage		: Available				
	Date of Main Plant Order (Boiler &TG from SEC, China)		: BTG Contract awarded to Shanghai Electric China on 25.09.09.				
	Power Evacuation System: ▪ PGCIL has granted long term access and bulk power transfer agreement. ▪ Agreement signed with PGCIL on 15.12.09 for construction of 2 bays at Bhadravati substation. ▪ Line survey work completed and construction work has started..						
	Critical Areas	Acquisition and handing over of railway siding and ash pond land is getting delayed from MIDC. Readiness of Transmission line for back charging. MIDC has delayed the award of weir Contract. Contingency arrangement for start up power has been made. Regular start up power received on 22.10.12.					

SOUTHERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN ANDHRA PRADESH

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / Anticipated			
			Syn. Com	COD	Syn. Com	COD		
1.	Meenakshi TPP Ph-I (M/s Meenakshi Energy Pvt. Ltd.) Distt.: SPSR Nellore, AP	2x150					• 564.90 Acres of land acquired for entire 1000 MW • MOE&F: Clearance obtained on 03-06-2009. • SPCB: Clearance obtained on 16-10-2008 from AP PCB. • Civil Aviation: NOC obtained on 21-12-2009 from AAI. • Water:100 Cusec/day sea water from Kandaleru Creek accorded by Principal Secy (FAC), Infrastructure & Investment (Ports-I) AP • Chimney: Shell completed (225 m). Flue cans erected. SOx &NOx analyzer is in operation. Chimney is ready from 20-05-12. • CHP: All system made ready on 30-05-12. Both streams commissioned and ready for operation. • AHP: Ash handling system is ready for both units. Ash conveying pipe from boiler to Silo is in progress. • FPS: Erection of equipment completed. System is in operation. • WTP: Both systems are ready and kept in operation. • CWS: All CT cells are ready. 6/12 cells are in operation for U-1. Auxiliary CTs are kept in operation. • FO System: LDO pumps house commissioning completed and is in operation. • SW Yard: Erection work completed. Switchyard is back charged. U-1: • Boiler: erection started on 25-03-10. Drum lifted on 16.09.10. All coal bunkers erected. Coal feeders erected. Bed ash coolers erected. Refractory work completed. FD, ID and PA fans erected and tested. Flue gas ducting is completed. Boiler is in operation. • HT: conducted on 20-05-11. BLU: achieved on 13- 02-12. • Box up: done on 20-10-11 • ESP: completed in all respect. • Condenser: erection started on 25-12-10. Welding work completed. Tube inserted and erection completed • TG: erection started on 15-03-11. LP casing plate aligned. All heaters are positioned and aligned. Oil flushing completed on 20-12-11. Unit synchronized on 09-06-12. Vibrations in 3rd bearing delayed the commissioning. After attending bearing, the unit is commissioned on 09-09-12. Commercial operation declared on 07-10-12. U-2: • Boiler: erection started on 26-03-10. Drum lifting done on 19-11-10. Pressure part erection completed. Bunker & mills completed. Coal feeders connected. Boiler insulation & cladding in progress. SBO completed on 13-11-12. Synchronisation is expected in December 12. • HT: conducted on 18-06-11. Boiler lighted up on 01-08-12. • Box up: completed on 20-03-12. • ESP: Erection work completed. Commissioning work in progress. • Condenser: erection started on 20-05-11. Condenser erection and leak test completed. Condenser fill test is in progress. CEP erected and is under operation. • TG: erection started on 05-08-11. Bldg structural work,Equipment erection and oil flushing completed. All BFPs erected. Generator cooling pipe erection in progress.	
	Unit-1	150	08/11 09/11	10/11	06/12 A 09/12 A	10/12		
	Unit-2	150	10/11 11/11	12/11	12/12 01/13	02/13		
	Original Estd. Cost Latest Estd. Cost	: Rs 142000 lakh : Rs 142800 lakh						
	Expnd during 2008-09 Expnd during 2009-10 Expnd during 2010-11 Expnd during 2011-12 Expnd during 2012-13 (up to Nov 2012)	: Rs. 4660.72 Lakh : Rs. 32576.64 Lakh : Rs. 50207.64 Lakh : Rs. 39852.70 Lakh : Rs. 12877.52 Lakh						
	Total Expenditure	Rs. 1401.75 Crores						
	Financial Closure	: 10-07-2010 Loan agreement signed with SBI & other Banks, SBI as lead lender						
	Date of Main Plant Order :	: 10-08-2009 Boiler -Thermax Ltd,Pune TG - CNAICO,China						
Fuel Linkage:	: FSA signed with M/s PTC for 150 MW. For balance quantity- Imported coal supply agreement signed with M/s Coal & Oil Company LLC as under: Supply of 500,000 MT standard coal with 10% variation for each full delivery of 12 months duration							
Transmission System :	: BPTA signed with PGCIL for 600 MW on 24-02-2010. 400 KV MEPL – Manubolu (PGCIL) 27 km line is being executed by M/s Sujana Towers Hyderabad.							
Power Purchase Agreement:	: PPA signed with M/s PTC on 14-08-08							
Critical Areas	1. Vibrations are being observed in 3 rd bearing of U-1. The same is being attended by MEPL. The bearing was opened three times. Some foreign material was found inside.							

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Orig.		Actual (A)/ Anticipated			
			Syn. Com	COD	Syn. Com	COD		
2.	Simhapuri Energy Pvt.Ltd TPP Ph-I (Madhucon Projects Ltd)	300					• Land: 480 acres acquired for entire 600 MW (Ph-I and Ph-II) • Water: Approval for use of 44 cusec/day of sea water from Kanaleru creek obtained on 02-10-1007. • MOE&F: clearance obtained for changed configuration from 540 MW (4x135 MW) to (4x150 MW) vide letter dated 01-01-2010. • SPCB: clearance obtained from APPCB for 600 MW. • Civil Aviation: clearance obtained from AAI on 20-06-07 & 22-03-11 • Chimney: completed in all respect. • CHP: CHP is ready and pre-commissioning activities are in progress. • AHP: ESP area AHP erection is completed. Erection of pipe line and construction of ash pond are in progress. Coal feeding system and coal bunkers erected. • CT: Pre-commissioning activities are in progress. • DM Plant: commissioned • CWS: Piping work, except end connection, completed. CW pump house is ready. Erection of CW & ACW pumps is in progress. • FOS: fuel oil system is completed. • FPS: erection of fire water pumps completed. Individual fire protection at various building is in progress. • Switchgear: 400 kV switchgear system is charged. <u>Unit-1:</u> • Boiler: erection started on 22.01.10. Drum lifted on 19-11-10. Hydro test conducted on 19-03-11. Erection of PA, SA, ID fans, ducts from boiler to ESP and ESP to chimney completed. Bunkers and mills are ready. LDO system is ready. • BLU done on 24-12-11. • ESP is completed including insulation and cladding. • TG civil works started on 15.07.09. Condenser work completed. TG boxed up on 30-12-11. Unit synchronized on 28-02-12 & commissioned on 24-03-12. COD date is 04-05-12. <u>Unit-2:</u> • Boiler erection started on 22.01.10. Boiler drum lifted on 30/08/10. Hydro test conducted on 21-04-11. Erection of PA, SA, ID fans, all ducts completed. Insulation work is in progress. • BLU completed on 31-12-11. SBO completed on 18-04-12. • ESP. erection completed. Insulation and cladding work completed. • TG civil works started on 15.07.09. Condenser work completed. TG boxed up on 18-04-12. Unit synchronized on 25-05-12. Full load (150 MW) was achieved on 02-07-12. Thus Unit commissioned on 02-07-12 and Commercial operation date is 15-07-12.	
	Distt. Nellore Unit-1	150	11/10	12/10	02/12A	05/12		
			11/10		03/12A	(A)		
			11/10	02/11	05/12A	07/12		
	Unit-2	150	01/11		07/12A	(A)		
	Original Estimated Cost	:Rs 148500 lakh						
	Latest Estimated Cost	:Rs 148500 lakh						
	Expnd during 2007-08	:Rs. 2376 lakh						
	Expnd during 2008-09	:Rs. 23895 lakh						
	Expnd during 2009-10	:Rs. 29640 lakh						
	Expnd during 2010-11	:Rs. 61747 lakh						
	Expnd during 2011-12	:Rs. 20375 lakh						
	Expnd during 2011-12 (up to July 12)	: Rs 2500 lakh						
	Total Expenditure	:Rs. 1405.38 Crores						
	Zero date	:07.01.2009						
	Financial closure	:Achieved on 28-11-07 with banks, Canara bank as Leader						
	Type of Fuel	: Coal (PTC would be buying the power generated and supplying the coal)						
	Date of Main Plant Order	: Order Placed on Greenesol Power Systems, Bangalore on 07.01.09 (Boiler from Wuxi,China & Turbine from Harbin,China)						
	PPA	: Signed with PTC on 08-08-2008						
	Power Evacuation System	: BPTA signed with PGCIL for 600 MW on 24-02-2010 through 400 kV SEPL to Manubolu S/S (PGCIL) D/C line. Work is executed by M/s Sujana towers Ltd; Hyderabad.						
Critical Areas								

BROAD STATUS OF THERMAL POWER PROJECTS IN TAMIL NADU

No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A)/ As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
1	Mettur TPS St-III TNEB (Distt. Salem)	600					• TNEB permitted to draw 76 cusecs of raw water for St.-I, II & III from Cauvery River. • MOEF clearance accorded on 18.09.07 for 500 MW. Capacity enhanced there after. Clearance also obtained for enhanced capacity for 600 MW on 01-08-11. • M/s DCPL, Chennai is consultant. • Financial tie up made with PFC for Rs2664 cr • Chimney (Haygreeva Ltd.) Shell construction (275 Mtr) completed. Refractory work completed. Exterior painting completed. • NDCT: (Haygreeva Ltd.) Shell construction completed (142 m). Erection of PVC pipes/fills/nozzles/drift eliminators for both half completed. Inner platform handrail fixing and paving works around NDCT are in progress. • CHP: Civil works in wagon tippler & tunnel area in progress. Structural work in PCH completed and that in SCH is in progress. Regular system will be available in 12/12. However, contingency arrangement is ready for supply of coal. SCR-1 erected. SCR-2 erection in progress. Contingency CHP arrangement completed. Bunkers and mills are ready. The unit is commissioned through contingency arrangements on 11-10-12. • AHS: Fly ash silo-1 top level casting done and silo-2 slab at 6 m completed. Bottom ash silo -1 & 2 completed. Dry cone work completed. Ash pipes from ESP to silo nearing completion. Construction of ash slurry sump, ash water sump and ash slurry pump house are under progress. • RWPH: Construction of RWPH, pump house, PTP chemical house, Filter tank & pump house, sludge sump under progress. Clariflocculator civil works completed. Clarified water tank completed. • CWS: CWPB Fore bay raft wall, pump floor, structural & roof work in progress. Hot & cold water pipes laid and connected. Butterfly valve erected. CW Pumps and ACW pumps erected. • F.O: HFO & LDO tanks erected. Outside insulation works Completed. Building is ready. Erection of HFO and LDO Pumps completed and oil pipe line erected. Fuel oil system commissioned. • DM Plant: Ready and water was used for steam blowing off. • FPS: Fire protection system completed in ST, MOT, FOPH & oil tanks. Spray line completed and hydrant fire work is in progress. • Blr: Erection commenced on 29-09-09. Drum lifted on 25-2-10. ID, FD PA fans completed. Power cycle pipes completed. SBO completed on 16-02-12. Erection of all mills completed, C&I completed. Tripper floor and tripper erection completed. Bunkering started and crushed coal is being filled. • HT: Conducted on 25-02-2011. BLU: done on 30-01-2012. • Box-up: completed on 14-11-2011. • ESP: Compressor erection completed. Pipelines from ESP to Silo nearing completion. Control room is ready. • STG: Condenser Tube erection completed. TG erection started on 03-09-10. Generator erected. Seal oil system, stator cooling system and excitation panel erection completed. Rolling started on 30-04-12 and Unit is synchronized on 04-05-12. Coal firing done on 06-09-12, achieved 248 MW but tripped due to problems in mill. The unit was again lighted up on 26-09-12 and attained 423 MW but tripped due to same problem in other mill. The problem was attended and unit re-lighted up on 10-10-12 and finally reached full load and gone up to 608 MW generation on 11-10-12. • Switchyard: 220 & 400 kV GIS bldg work completed. 220 kV side energized. 400 kV GIS indoor equipment testing partially completed and GT back charged. Both ICT commissioned.	
	U-1	600	04/11 06/11	07/11	05/12 A 10/12 A	12/12		
	Date of Sanction	: 01.08.2007						
	Sanctioning Authority	: Govt. of Tamil Nadu						
	Original Estimated cost	: Rs 355004 Lakh						
	Latest Estimated cost	: Rs 355004 Lakh						
	Exp. during 2007-2008	: Rs - NIL- Lakh						
	Exp. during 2008-2009	: Rs 3869 Lakh						
	Exp. during 2009-2010	: Rs 51129 Lakh						
	Exp. during 2010-11	: Rs 134781 Lakh						
	Exp. during 2011-12	: Rs 51072 Lakh						
	Exp. during 2012-13 (Up to Nov 2012)	: Rs 9949 Lakh						
	Total Expenditure	: Rs 2508.00 Crores						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 25.06.2008 (EPC) on M/s BGR Energy- System Ltd. / M/s DEC, China.						
	Zero Date FUEL LINKAGE :	: 25.06.2008 : Coal linkage for 2.31MTPA is available from Mahanadi coal fields vide Coal India LOA dt. 23.03.2007 for 500MW. LOA for additional requirement for balance 100MW i.e 0.73 MTPA 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 was to be completed by July 2010, but the Tr. Line could not be completed.					
Critical Areas		1. Construction of Coal Handling Plant and Ash Handling Plant 2. Readiness of bunkers and mills. Shortage of man power. 3. Completion of 400 kV transmission lines due to court case in Madras High Court for three km stretch. 4. C&I work for four mills (7/8 completed) in progress. 5. Completion of transmission line due to court case for stretch of about 3.5 km.						

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A)/ Expected			
			Syn. Comm	COD	Syn. Comm	COD		
2	North Chennai TPS St-II TNEB (Distt. Thiruvallur) U-2	1200					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 27.06.2008. - Advance released to BHEL on 16.08.08 & 30.03.09. - Letter of Intent (LOI) issued to BHEL on 04.09.2008. BOPs are common for both units. Unit-II: Oil Synchronized (100MW) on 17.12.12 F/N. Boiler (M/s UB Engg.): Erection started on 31.07.09. HT: Drainable & Non drainable conducted on 28-03-2011 & on 16.03.12 respectively. BLU done in 11.4.12, EDTA cleaning done on 24.6.12 & SBO completed on 09.10.12. Erection of both stream of FD& ID fans and AHP completed. Planetary gear box was erected in all 9 Nos mills. Right Side mills and feeders are ready and Left side mills work is in progress. 5 Nos feeder has been erected. Erections of remaining feeders are in progress. PA fan A motor trail run completed. Air leak test in all four passes completed Rapping mechanism erection are in progress. ESP erection started on 10.08.09. 7856/ 7926 MT materials, erected up to 11/12. Air leak test in all four passes completed and ready for synchronization. Erection of field transformers is in progress. TG & Condenser: Erection started on 24-05-2011. TG boxed up in 26/08/2012. Turbine put on barring gear on 12.10.12. Condenser flood test is in progress. Erections of HP & LP by passes system have been completed. Generator stator positioned on 5.06.12 and Generator rotor insertion completed on 02.07.2012. Main exciter and Hydrogen cooler positioned. Air tightness test in Generator completed. AHP- FAHS Structural erection for roof slab completed for all 3 silos of Unit-II and alignment also completed. Erection of mixing pot for 2nos silos and fluidizing pad fixing in silo no.2 are in progress. Ash slurry pump house - equipment foundation work completed. Erection of equipment under progress. Slurry line from boundary wall up to railway crossing – civil foundation work is under progress. BAHS- Civil work in tube settler, clean water sump & raw water sump are in progress. Transport air compressor system civil work completed and pipe erection is in progress. In unit-2, 2nos clinker grinders were erected. Erection of Scrapper chain conveyor accumulator assembly & galleries and walk way in main belt conveyor are in progress. For bottom ash silo, 8 nos. vertical column and 8nos. beam have been erected and shell fabrication of bottom Ash silo are in progress. Bottom ash handling system will be ready before light up. CHP: Erection of gallery structures completed for all conveyors. Conveyor belts were laid in conveyor no.19A, 18A & 15A and belt laying is in progress in conveyor 14A. One stream conveyor will be ready before coal firing of unit-II.	
		600	08/11 11/11	11/11	12/12 12/12	12/12		
	Date of Sanction	: 25.06.2008						
	Sanctioning Authority	: Govt. of Tamil Nadu						
	Org. Est. cost	: Rs.271875 Lakhs						
	Expd. during 2008-09	: Rs 21750 Lakhs						
	Expd. during 2009-10	: Rs 42018 Lakhs						
	Expd. during 2010-11	: Rs. 55987 Lakhs						
	Expd. during 2011-12	: Rs. 48540 Lakhs						
	Expd. during 2012-13 (Up to Nov. 2012)	: Rs117.79 Crores						
	Total Expenditure (Till 11/12)	: Rs. 1800.74 Crores						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 16-08-2008 (EPC) on M/s BHEL						
	Financial Closure	: Achieved. Tied up with REC by TANGEDCO						
	Zero Date	: 16-08-2008						
Critical Areas		1. Erection of CW system by BHEL 2. Readiness of CHP & wet ash disposal system.						

EASTERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN JHAKHAND PRIVATE SECTOR

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A)/ As Expected			
			Syn. Comm	COD	Syn. Comm	COD		
1	Mahadeo Prasad STPS Adhunik Power & Natural Resources Ltd. (Distt. Saraikela) Jharkhand U-1 U-11	540					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 19.05.2009. BOPs are common for both units. Unit-I: Boiler: Erection started on 23.03.10 and completed. Mill and PA system commissioning is in progress. Non drainable hydro test done on 17.03.12. FD fan no load trial run completed. ID fan cable laying completed trial run will be done soon. Boiler steam blowing completed. - Boiler drum lifted on 27-08-10. HT: Conducted on 07-09-2011. BLU: completed on 20.04.2012 TG and condenser erection completed. Generator to Transformer back charged on 24.9.12, TG put on barring gear & Generator transformer charged. TG Boxed up on 24.11.2011 CHP: Erection of Stacker & Reclaimer are under progress Crusher erection completed and RBF belt joint completed in crusher house. Conveyor 8A/B & 9A/B commissioned. Coal feeding started in TP-7. Alignment work in progress in conveyor 3C Unit synchronized (100MW) on 13.11.12 & Achieved Full load on 19.11.12. Unit-II: Boiler: Erection started on 31.10.10. 6349 MT in boiler & ESP- pass A completed, pass B under progress up to 09/12. Drainable hydro test done on 20.03.12 & non drainable completed on 12.10.12. FD fan no load trial run completed. ID fan & APH oil flushing completed - Boiler drum lifted on 20-02-11. HT: done on 20-03-2012 and non- drainable on 12.10.12. BLU: Completed on 16/10/2012 TG: Condenser & hot well erection completed, HP, IP & LP Turbine placement and alignment completed. Generator erection under progress. TG Box up expected in 01/2013 - Erection of Lube oil system piping in the MOT room under progress. - Erection of Stacker & Reclaimer, Crusher and Conveyor 8A/B & 9A/B are under progress.	
		270	<u>08/11</u> 10/11	11/11	<u>11/12</u> 11/12	12/12		
		270	<u>08/11</u> 10/11	11/11	<u>02/13</u> 03/13	03/13		
	Date of Financial Closer	: Financial Closer achieved						
	Org. Est. cost	: Rs. 3151 Crores						
	Expd. during 2010-11	: Rs. 1150 Crores						
	Expd. during 2011-12	: Rs. 1300 Crores						
	Expd. during 2012-13	: Rs. 400 Crores						
	Total Expd. till date (Up to Nov., 2012)	: Rs. 2850 Crores						
	Type of fuel	: COAL						
Date of Main Plant Order	: 19-05-2009 (EPC) on M/s BHEL							
Financial Closure	Achieved. Joint loan documentation signed on 29.07.2008 for U-1 & 03.03.2010 for U-2							
Zero Date	: 19-05-2009							
Critical Areas		1. Delay in readiness of CHP & switchyard.						

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As Expected		
			Syn. Comm	COD	Syn. Comm	COD	
2	Chandwa (Matrishi)TPS Corporate Power Ltd. (Distt. Latehar) Jharkhand	540					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 09/2009. BOPs are common for both units. Cooling towers, chimney, DM plant, CW system, Fire protection system & Fuel oil system completed.CHP & AHP are under progress. ATS balance work is to be taken up after stage – II Forests clearance is obtained. Unit-I: Boiler: Erection started on 05/10/10. - Boiler drum lifted on 31/03/11 HT: Conducted on 28/12/2011. BLU: Expected in 12/2012. TG: condenser erection started on 25/05/11, Turbine erection started 15/6/11. HPT & IPT placed and erection of LPT is in progress. TG boxed up in 10/12. - Flue cans erection completed and ready for BLU. - Erection of 3/6 bunker completed. 3/6 mills received at site &erection is in progress. - CHP- 90% structure erection completed &equipment erection is in progress. - AHP-BAH is ready. FA silo completed and foundation work of HCSD pedestal is under progress. - Generator Transformer & Unit Transformers are placed on foundation and erection of associated system is in progress. Unit-II: Boiler: Erection started on 19/12/10. Total 10500 joints completed. Tube insertion in condenser is under progress & HP/ IP placed. - Boiler drum lifted on 19/07/11 BLU: Expected in 01/2013 TG: condenser erection started on 24/08/11, Turbine erection started 13/10/11. HPT & IPT placed and erection of LPT is in progress Box up expected in 01/13 - CHP- 90% structure erection completed &equipment erection is in progress. - AHP- FA silo completed. Erection of Bottom Ash Hopper and foundation work of HCSD pedestal is under progress. - Station transformer, Generator Transformer & Unit Transformers placed on foundation and erection of associated systems is in progress. - Chimney 100% flue fabrication completed & erection work is in progress.
	U-1	270	03/12 04/12	05/12	12/12 01/13	02/13	
	U-11	270	04/12 05/12	06/12	03/13 04/13	05/13	
	Org. Est. cost	: Rs. 290000 Lakh					
	Expd .during 2009-10	: Rs Lakh					
	Expd. during 2010-11	: Rs. Lakh					
	Expd. during 2011-12 (Up to May, 2012)	: Rs. Lakh					
	Total Expd. till 30.9.12	: Rs. 2862 Crores					
	Type of fuel	: COAL					
	Date of Main Plant Order	: 09/2009 (EPC) on M/s BHEL					
	Financial Closure	:Achieved on 05/12/2009					
	Zero Date	: 09/2009					
Critical Areas		1. Associated Transmission System for a short distance is to be taken up after Stage-II Forests Clearance is obtained. 2. Delay in Mill & Bunker erection.					

BROAD STATUS OF THERMAL POWER PROJECTS IN ODISHA

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