



भारत सरकार
विद्युत मंत्रालय

GOVERNMENT OF INDIA
MINISTRY OF POWER

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

April - 2013



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: 29th April, 2013

(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
72340	10897	5300	88537

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# WBPDCI	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	500	12/12	15.02.13(A)
Maharashtra	Mouda TPP	NTPC	U-1	Nov-08	BHEL	500	500	07/12	19.04.12(A)
Maharashtra	Mouda TPP	NTPC	U-2	Nov-08	BHEL		500		29.03.13(A)
MP	Vindhyachal TPP-IV	NTPC	U-11	Jan-09	BHEL	500	500	07/12	14.06.12(A)
MP	Vindhyachal TPP-IV	NTPC	U-12	Jan-09	BHEL		500		22.03.13(A)
TN	Vallur TPP Ph-I	NTECL	U-2	Aug-07	BHEL	500	500	02/13	28.02.13(A)
Tripura	Tripura Gas	ONGC	Module-	Jun-08	BHEL	363.3	363.3	11/12	03.01.13 (A)
UP	Rihand TPP-III	NTPC	U-5	Feb-09	BHEL	500	500	06/12	25.05.12(A)
			Total Central Sector			4023.3	5023.3		
STATE SECTOR									
Chhattisgarh	Korba West Extn.St.III TPP	CSEB	U-5		BEHL		500		22.03.13(A)
Chhattisgarh	Marwa TPP	CSEB	U-1	Apr-08	BHEL	500		02/13	05/13
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	351	01/13	27.03.13(A)
	Ukai TPP Extn	GSECL	U-6	Sep-07	BHEL	490	490	12/12	05.03.13(A)
Rajasthan	Ramgarh CCGT	RRVUNL	GT	Aug-09	BHEL	110	110	01/13	20.03.13(A)
	Ramgarh CCGT	RRVUNL	ST-1		BHEL	50		02/13	08/13
MP	Satpura TPP Extn.	MPPGCL	U-10	Mar-08	BHEL	250	250	02/13	22.03.13(A)
TN	Mettur TPP Ext	TNEB	U-1	Aug-08	Chinese	600	600	06/12	11.10.12(A)
	North Chennai Extn.	TNEB	U-2	Aug-08	BHEL	600	600	03/13	09.03.13(A)
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	250	09/12	11.03.13(A)
			Total -State Sector			3951	3911		
PRIVATE SECTOR									
AP	Simhapuri TPP Ph-1	Madhucon Projects Ltd.	U-2	Jan-09	Chinese	150	150	09/12	02.07.12(A)
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-1	Aug-09	Chinese	150	150	08/12	09.09.12(A)
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-2			150		11/12	03/13
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	03/13
	Swastik Korba TPS	ACB	U-1		Others	25		06/12	05/13
	Ratija TPP	SCPL	U-1		Chinese		50		04.02.13(A)

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)
	Mundra Ultra Mega TPP	Tata Power Co.	U-4	May-07	Others		800		16.01.13(A)
	Mundra Ultra Mega TPP	Tata Power Co.	U-5	Jun-07	Others		800		18.03.13(A)
	UNO-SUGEN CAPP	Torrent Power Ltd.	Mod-1		Others		382.5		20.01.13(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)
	Adhunik Power TPP	Adhunik Power Co. Ltd.	U-2	May-09	BHEL		270		29.03.13(A)
	Corporate Power Ltd Ph-I (Maitrishi Usha)	M/s Corporate Power Ltd.	U-1	Dec-09	BHEL	270		12/12	07/13
Maharashtra	Bela TTP-I	IEPL	U-1	Dec-08	BHEL	270	270	09/12	20.03.13(A)
	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	300	11/12	07.02.13(A)
	Tirora TPP Ph-I	Adani Power Ltd	U-1	Feb-08	Chinese	660	660	08/12	11.09.12(A)
	Tirora TPP Ph-I	Adani Power Ltd	U-2			660	660	11/12	25.03.13(A)
	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		08.09.12(A)
	Amaravathi TPP Ph-I	Indiabulls	U-1		BHEL		270		25.03.13(A)
MP	Bina TPP	Bina Power Ltd.	U-1	Sep-08	BHEL	250	250	09/12	12.08.12(A)
	Bina TPP	Bina Power Ltd.	U-2	Sep-08	BHEL		250		31.03.13(A)
	Mahan	Essar Power Ltd.	U-1		Chinese		600		24.02.13(A)
Orissa	Sterlite TPP	Sterlite Energy Ltd.	U-4	Sep-08	Chinese	600	600	06/12	25.04.12(A)
	Kamalanga TPP		U-1		Chinese		350		29.03.13(A)
Rajasthan	Jallipa-Kapurdi TPP	Raj west power Ltd (JSW)	U-5	Mar-07	Chinese	135	135	03/13	05.02.13(A)
			U-6	Apr-07	Chinese		135		03.03.13(A)
			U-7	Jun-07	Chinese		135		16.03.13(A)
			U-8	May-07	Chinese		135		28.02.13(A)
TN	Tuticorin TPP	Ind Barath	U-1		Chinese		150		10.03.13(A)
			Total -Private Sector			7180	11187.5		
			Total for the year 2012-13			15154.3	20121.8		

3.1 Thermal Units Programmed for Commissioning During 2013-14									At the beginning of the year
State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Comm. Cap. (MW)	Actual Comm. Date	
CENTRAL SECTOR									
Bihar	Barh STPP St-II	NTPC	4	03/08 & 10/08	BHEL	660			12/13
TN	Vallur TPP Ph-II	NTPC/ NTECL/ TNEB-JV	3	07/09	BHEL	500			03/14
TN	Tuticorin TPP	NLC/ TNEB-JV	1	01/09	BHEL	500			03/14
Tripura	Tripura CCGT	ONGC JV	Module-2	06/08	BHEL	363.3			09/13
UP	Rihand STPP St-III	NTPC	6	02/09	BHEL	500			12/13
WB	Raghunathpur TPP Ph-I	DVC	1	12/07	SEC, CHINA	600			03/14
Total Central Sector						3123.3	0		
STATE SECTOR									
Chhattisgarh	Marwa TPP	CSEB	1	04/08	BHEL	500			09/13
Delhi	Pragati St-III CCGT	PPCL	GT-4	05/08	BHEL	250	250	7/5/2013	06/13
Delhi	Pragati St-III CCGT	PPCL	ST-2	05/08	BHEL	250			09/13
Gujarat	Pipavav JV CCGT	GSECL	Block-1	12/07	BHEL	351			09/13
MP	Shree Singaji TPP (Malwa)	MPPGCL	1	12/08	BHEL	600			06/13
MP	Satpura TPS Extn.	MPPGCL	11	03/08	BHEL	250			10/13
Maharashtra	Chandrapur TPS Extn.	MAHAGENCO	8	07/08	BHEL	500			12/13
Rajasthan	Kalisindh TPP	RRVUNL	1	07/08	SEPCO, CHINA	600			12/13
Rajasthan	Chhabra TPS Extn.	RRVUNL	3	08/08	BHEL	250			06/13
Rajasthan	Chhabra TPS Extn.	RRVUNL	4	08/08	BHEL	250			01/14
Rajasthan	Ramgarh CCPP	RRVUNL	ST	08/09	BHEL	50			12/13
TN	North Chennai TPS Extn.	TNEB	1	08/08	BHEL	600			09/13
Total -State Sector						4451	250		
PRIVATE SECTOR									
AP	Vizag TPP	Hinduja	1	03/10	BHEL	520			03/14
AP	Thammina-patnam TPPPh-I	Meenakshi Energy Ltd.	2	08/09	Chinese	150	150	17/04/2013	09/13
Chhattisgarh	Tamnar TPP	Jindal Power	1	12/08	BHEL	600			03/14
Chhattisgarh	Salora TPP	Vandana Vidyut	1	05/08	BOILER: CETHAR VESSELS LTD TG: CNAIC, CHINA	135			06/13
Chhattisgarh	DB Power TPP(Barabhara)	DB Power Ltd	1	05/10	BHEL	600			12/13
Chhattisgarh	Swastik Korba TPP	ACB	1	02/10	BOILER: IJT; TURBINE: SIEMENS	25			12/13
Chhattisgarh	Akaltara TPP	KSK Mahanadi	1	04/09	BOILER: SHANGHAI TG: DONGFANG, CHINA	600			09/13
MP	Sasan UMPP	Reliance Power	3	06/08	SEC, CHINA	660			05/13
MP	Sasan UMPP	Reliance Power	2	06/08	SEC, CHINA	660			09/13
Maharashtra	Nasik TPP Ph-I	India Bulls	1	11/09	BHEL	270			09/13
Maharashtra	Dhariwal TPP	Dhariwal Infra-structure (P) Ltd.	1	04/10	SEC, CHINA	300			06/13

Maha-rashtra	Dhariwal TPP	Dhariwal Infra-structure (P) Ltd.	2	04/10	SEC, CHINA	300			12/13
Maha-rashtra	EMCO Warora TPP	GMR EMCO Energy Ltd.	2	09/09	SEC, CHINA	300			06/13
Maha-rashtra	Tirora TPP	Adani Power	3	02/08	SCMEC, CHINA	660			06/13
Orissa	Derang TPP	Jindal India Thermal Power	1	07/09	BHEL	600			12/13
Orissa	Kamalanga TPP	GMR Energy	2	08/08	SEPCO III, CHINA	350			09/13
Punjab	Goindwal Sahib TPP	GVK Industries	1	02/09	BHEL	270			06/13
Punjab	Talwandi Sabo TPP	Sterlite	1	07/09	SEPCO I, CHINA	660			01/14
Total -Private Sector						7660	150		
Total for the year 2013-14						15234.3	400		

	BHEL	Chine se	others	Total	
Target	9234.3	5975	25	15234.3	
Achievement	250	150	0	400	
Addl.Achievem ent	0	0	0	0	
Total Achievement	250.0	150	0	400	

4.0 THERMAL POWER PROJECT UNDER CONSTRUCTION IN THE COUNTRY

					AS ON 24-May-2013		
Sector State	Project Name	Impl. Agency	Main Equip.	Unit No.	Cap. (MW)	Cap (MW) Achieved	Actual Comm. Date
THERMAL PROJECTS TARGETED FOR COMMISSIONING DURING 12TH PLAN							
<u>CENTRAL SECTOR</u>							
Assam	Bongaigaon TPP	NTPC	BHEL	U-1	250	---	
				U-2	250	---	
				U-3	250	---	
Bihar	Barh STPP- I	NTPC	OTHERS	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
Bihar	Barh STPP-II	NTPC	BHEL	U-4	660	---	
				U-5	660	---	
Bihar	Muzaffarpur TPP Exp	NTPC	BHEL	U-3	195	---	
				U-4	195	---	
Bihar	Nabi Nagar TPP	NTPC	BHEL	U-1	250	---	
				U-2	250	---	
				U-3	250	---	
				U-4	250	---	
Chhattisgarh	Sipat-I	NTPC	OTHERS	U-3	660	660	02-06-12
Haryana	Indira Gandhi TPP	APCPL	BHEL	U-3	500	500	07-11-12
Jharkhand	BokaroTPS "A"Exp.	DVC	BHEL	U-1	500	---	
Jharkhand	Koderma TPP	DVC	BHEL	U-2	500	500	15-02-13
Maharashtra	Mouda TPP	NTPC	BHEL	U-1	500	500	19-04-12
				U-2	500	500	29-03-13
MP	Vindhyachal TPP-IV	NTPC	BHEL	U-11	500	500	14-06-12
				U-12	500	500	22-03-13
TN	Neyveli TPS-II Exp.	NLC	BHEL	U-2	250	---	
TN	Tuticorin JV	NLC	BHEL	U-1	500	---	
				U-2	500	---	
TN	Vallur TPP Ph I	NTECL	BHEL	U-2	500	500	28-02-13
TN	Vallur TPP-II	NTECL	BHEL	U-3	500	---	
Tripura	Monarchak CCPP	NEEPCO	BHEL	GT+ST	101	---	
Tripura	Tripura Gas	OTPC	BHEL	Module-1	363.3	363.3	03-01-13
				Module-2	363.3	---	
UP	Rihand STPS- III	NTPC	BHEL	U-5	500	500	25-05-12
				U-6	500	---	
WB	Raghunathpur TPP , Ph-I	DVC	CHINESE	U-1	600	---	
				U-2	600	---	
Sub Total :					14877.6	5023.3	
<u>STATE SECTOR</u>							
AP	Damodaram Sanjeevaiah TPS	APPDL	NON-BHEL	U-1	800	---	
				U-2	800	---	

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
AP	Rayalseema St-III U-6	APGENCO	BHEL	U-6	600	---	
Assam	Namrup CCGT	APGCL	BHEL	GT	70	---	
				ST	30	---	
Chhattisgarh	Korba West St-III.	CSPGCL	BHEL	U-5	500	500	22-03-13
Chhattisgarh	Marwa TPP	CSPGCL	BHEL	U-1	500	---	
				U-2	500	---	
Delhi	Pragati CCGT - III	PPCL	BHEL	GT-3	250	250	27-06-12
				GT-4	250	250	06-05-13
				ST-2	250	---	
Gujarat	Pipavav CCPP	GSECL	BHEL	Block-1	351	---	
				Block-2	351	351	27-03-13
Gujarat	Sikka TPS Extn.	GSECL	BHEL	U-3	250	---	
Gujarat	Ukai TPP Extn.	GSECL	BHEL	U-6	500	500	05-03-13
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	U-8	500	---	
Maharashtra	Koradi TPS Expn.	MSPGCL	NON-BHEL	U-8	660	---	
Maharashtra	Parli TPS Expn.	MSPGCL	BHEL	U-8	250	---	
MP	Malwa TPP (Shree Singa ji TPP)	MPGENCO	BHEL	U-1	600	---	
				U-2	600	---	
MP	Satpura TPS Extn	MPPGCL	BHEL	U-10	250	250	22-03-13
				U-11	250	---	
Rajasthan	Chhabra TPS Extn.	RRVUNL	BHEL	U-3	250	---	
				U-4	250	---	
Rajasthan	Kalisindh TPP	RRVUNL	CHINESE	U-1	600	---	
Rajasthan	Ramgarh CCPP Extn. -III	RRVUNL	BHEL	GT	110	110	20-03-13
				ST	50	---	
TN	Mettur TPP Ext	TNEB	CHINESE	U-1	600	600	11-10-12
TN	North Chennai Extn, U-2	TNEB	BHEL	U-2	600	600	09-03-13
TN	North Chennai TPS Extn, U-1	TNEB	BHEL	U-1	600	---	
UP	Anpara-D TPS	UPRVUNL	BHEL	U- 6	500	---	
				U-7	500	---	
UP	Harduaganj Ext	UPRVUNL	BHEL	U-9	250	250	25-05-12
UP	Parichha Extn	UPRVUNL	BHEL	U-5	250	250	24-05-12
				U-6	250	250	11-03-13
Sub Total :					13922	4161	
<u>PRIVATE SECTOR</u>							
AP	Bhavanpadu TPP	M/s East Coast Energy Ltd.	CHINESE	U-1	660	---	
				U-2	660	---	
AP	NCC TPP	NCC Power Projects Ltd	CHINESE	U-1	660	---	
				U-2	660	---	
AP	Pynampuram TPP	Thermal Power Tech Corporation Ltd	CHINESE	U-1	660	---	
				U-2	660	---	

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
AP	Simhapuri Energy Pvt.Ltd Ph-I	Madhucon Projects Ltd	CHINESE	U-2	150	150	02-07-12
AP	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd	CHINESE	U-1	150	150	09-09-12
				U-2	150	150	17-04-13
AP	Thamminapatnam TPP-II	Meenaksha Energy Ltd.	CHINESE	U-3	350	---	
				U-4	350	---	
AP	Vizag TPP	Hinduja National Power Corp. Ltd	BHEL	U-1	525	---	
				U-2	525	---	
Chhattisgarh	Akaltara (Naiyara) TPP	Wardha PCL (KSK)	CHINESE	U-1	600	---	
				U-2	600	---	
				U-3	600	---	
Chhattisgarh	Avantha Bhandar TPP, U-1	Korba West Power Co. Ltd.	BHEL	U-1	600	---	
Chhattisgarh	Balco TPP	Bharat Aluminium Co. Ltd	CHINESE	U-1	300	---	
				U-2	300	---	
Chhattisgarh	Bandakhar TPP	M/s Maurti Clean Coal & Power Ltd	CHINESE	U-1	300	---	
Chhattisgarh	Baradarha TPP	D.B. Power Ltd	BHEL	U-1	600	---	
				U-2	600	---	
Chhattisgarh	Binjkote TPP	M/s SKS Power Generation (Chhattisgarh) Ltd.	CHINESE	U-1	300	---	
				U-2	300	---	
				U-3	300	---	
Chhattisgarh	Kasaipalli TPP	ACB India Ltd.	CHINESE	U-2	135	135	21-06-12
Chhattisgarh	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.	CHINESE	U-3	660	---	
				U-4	660	---	
Chhattisgarh	Ratija TPP	Spectrum Coal & Power	CHINESE	U-1	50	50	04-02-13
Chhattisgarh	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	CHINESE	U-1	600	---	
Chhattisgarh	Swastic TPP	M/s ACB	NON-BHEL	U-1	25	---	
Chhattisgarh	Tamnar TPP (Raigarh)	O.P.Jindal	BHEL	U-1	600	---	
				U-2	600	---	
Chhattisgarh	TRN Energy TPP	M/s TRN Energy Pvt. Ltd.	CHINESE	U-1	300	---	
				U-2	300	---	
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-1	360	---	
				U-2	360	---	
				U-3	360	---	
Chhattisgarh	Vandana Vidyut TPP- Chhattisgarh	M/s Vandana Vidyut	CHINESE	U-1	135	---	
				U-2	135	---	
Gujarat	Mundra UMTTP	Tata Power Co.	OTHERS	U-2	800	800	25-07-12
Gujarat	Salaya TPP	Essar Power Gujarat Ltd.	CHINESE	U-2	600	600	13-06-12
Haryana	Jajjar TPP (Mahatama Gandhi TPP)	CLP Power India Pvt. Ltd	CHINESE	U-2	660	660	11-04-12

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
Jharkhand	MahadevPrasas STPP Ph-I	Adhunik Power Co.Ltd	BHEL	U-1	270	270	19-11-12
				U-2	270	270	29-03-13
Jharkhand	Mata shri Usha TPP- Ph-I	M/s Corporate Power Ltd	BHEL	U-1	270	---	
				U-2	270	---	
Maharashtra	Amravati TPP Ph-I	India Bulls	BHEL	U-1	270	270	25-03-13
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
Maharashtra	Bela TPP-I	IEPL	BHEL	U-1	270	270	20-03-13
Maharashtra	Butibori TPP Ph-II	Vidarbha Industries Power	CHINESE	U-1	300	300	17-08-12
Maharashtra	Dhariwal Infracture TPP	Dhariwal Infracture (P) Ltd	CHINESE	U-1	300	---	
				U-2	300	---	
Maharashtra	EMCO Warora TPP	EMCO Energy Ltd.(GMR)	Chinese	U-1	300	300	07-02-13
				U-2	300	---	
Maharashtra	GEPL TPP	GEPL	Chinese	U-1	60	60	08-09-12
				U-2	60	60	28-04-12
Maharashtra	Lanco Vidarbha TPP	Lanco Vidarbha	CHINESE	U-1	660	---	
				U-2	660	---	
Maharashtra	Nasik TPP Ph-I	India Bulls	BHEL	U-1	270	---	
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
Maharashtra	Tirora TPP Ph-I	Adani Power Ltd	CHINESE	U-1	660	660	11-09-12
				U-2	660	660	25-03-13
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	CHINESE	U-1	660	---	
MP	Anuppur TPP Ph-I	MB Power MP	CHINESE	U-1	600	---	
				U-2	600	---	
MP	Bina TPP	Bina Power Supply Co. Ltd	BHEL	U-1	250	250	12-08-12
				U-2	250	250	31-03-13
MP	Gorgi TPP	DB Power(MP) Ltd.	BHEL	U-1	660	---	
MP	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-2	660	---	
				U-3	660	---	
MP	Seioni TPP Ph-I	Jhabua Power Ltd	BHEL	U-1	600	---	
Orissa	Derang TPP	JITPL	BHEL	U-1	600	---	
Orissa	Ind Bharat TPP (Orissa)	Ind. Bharat	CHINESE	U-1	350	---	
				U-2	350	---	
Orissa	Kamalanga TPP	GMR	CHINESE	U-1	350	350	28-03-13
				U-2	350	---	
				U-3	350	---	
Orissa	KVK Nilanchal TPP	KVK Nilachal	CHINESE	U-1	350	---	

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
Orissa	Lanco Babandh TPP	Lanco Babandh Power Ltd	CHINESE	U-1	660	---	
Orissa	Sterlite TPP	Sterlite Energy Ltd.	CHINESE	U-4	600	600	25-04-12
Punjab	Goindwal Sahib TPP	GVK Power	BHEL	U-1	270	---	
				U-2	270	---	
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	NON-BHEL	U-1	700	---	
				U-2	700	---	
Punjab	Talwandi Sabo TPP	M/s Sterlite	CHINESE	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	CHINESE	U-5	135	135	05-02-13
				U-6	135	135	03-03-13
TN	Tuticorin TPP (Ind-Barath TPP)	IBPIL	CHINESE	U-1	660	---	
UP	Prayagraj (Bara) TPP	Prayagraj power Gen. Co.Ltd(J.P.Power Ventures)	BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
WB	Haldia TPP-I	M/s Haldia Energy Ltd.	CHINESE	U-1	300	---	
				U-2	300	---	
<i>Sub Total :</i>					43540	7535	
<i>Total :</i>					72339.6	16719.3	
ADDITIONAL PROJECTS FOR LIKELY COMMISSIONING DURING 12TH PLAN							
<u>CENTRAL SECTOR</u>							
Bihar	New Nabi Nagar TPP	NTPC	BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
Chhattisgarh	Lara TPP	NTPC	NON-BHEL	U-1	800	---	
				U-2	800	---	
Karnataka	Kudgi STPP Ph-I	NTPC	NON-BHEL	U-1	800	---	
				U-2	800	---	
				U-3	800	---	
Maharashtra	Mouda STPP-II	NTPC	BHEL	U-3	660	---	
				U-4	660	---	
Maharashtra	Solapur STPP	NTPC	NON-BHEL	U-1	660	---	
				U-2	660	---	
MP	Gadarwara STPP	NTPC	NON-BHEL	U-1	800	---	
				U-2	800	---	
MP	Vindhyachal TPP-V	NTPC	BHEL	U-13	500	---	
UP	Meja STPP	JV of NTPC & UPRVUNL	NON-BHEL	U-1	660	---	
				U-2	660	---	
WB	Raghunathpur TPP Ph-II	DVC	BHEL	U-1	660	---	
				U-2	660	---	
<i>Sub Total :</i>					13360	0	

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
<u>STATE SECTOR</u>							
AP	Kakatiya TPS Extn	APGENCO	BHEL	U-1	600	---	
Gujarat	Bhavnagar CFBC TPP	Bhavnagar Energy	BHEL	U-1	250	---	
				U-2	250	---	
Gujarat	Sikka TPS Extn.	GSECL	BHEL	U-4	250	---	
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	U-9	500	---	
Maharashtra	Koradi TPS Expn.	MSPGCL	NON-BHEL	U-10	660	---	
				U-9	660	---	
Rajasthan	Kalisindh TPP	RRVUNL	CHINESE	U-2	600	---	
WB	Durgapur TPS Extn	DPL	BHEL	U-8	250	---	
WB	Sagardighi TPS-II	WBPDC	BHEL	U-3	500	---	
				U-4	500	---	
<i>Sub Total :</i>					5020	0	
<u>PRIVATE SECTOR</u>							
AP	Simhapuri Energy Pvt Ltd Ph-II	Madhucon Projects Ltd.	CHINESE	U-3	150	---	
				U-4	150	---	
Bihar	Jas Infra TPP Ph-I	JICPL	CHINESE	U-1	660	---	
Chhattisgarh	Akaltara (Naiyara) TPP	Wardha PCL (KSK)	CHINESE	U-4	600	---	
Chhattisgarh	Binjkote TPP	M/s SKS Power Generation (Chhattisgarh) Ltd.	CHINESE	U-4	300	---	
Chhattisgarh	Chakabura TPP	ACB India	NON-BHEL	U-1	30	---	
Chhattisgarh	Raigarh TPP (Visa)	Visa Power Ltd	BHEL	U-1	600	---	
Chhattisgarh	Raikheda TPP	GMR	OTHERS	U-1	685	---	
				U-2	685	---	
Chhattisgarh	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	CHINESE	U-2	600	---	
Chhattisgarh	Tamnar TPP (Raigarh)	O.P.Jindal	BHEL	U-3	600	---	
				U-4	600	---	
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-4	360	---	
Gujarat	Mundra UMTTP	Tata Power Co.	OTHERS	U-3	800	800	16-10-12
				U-4	800	800	16-01-13
				U-5	800	800	18-03-13
Gujarat	Unosugen Mega CCPP	Torrent Energy Ltd	Others	Module-1	382.5	382.5	20-01-13
Jharkhand	Mata srhi Usha TPP-Ph-II	Corporate Power Ltd	BHEL	U-3	270	---	
				U-4	270	---	
Jharkhand	Tori TPP	Essar Power	CHINESE	U-1	600	---	
Maharashtra	Amravati TPP Ph-II	India Bulls	BHEL	U-1	270	---	
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
Maharashtra	Nasik TPP Ph-II	India Bulls	BHEL	U-1	270	---	
				U-2	270	---	

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
Maharashtra	Nasik TPP Ph-II	India Bulls	BHEL	U-3	270	---	
				U-4	270	---	
				U-5	270	---	
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	CHINESE	U-2	660	---	
				U-3	660	---	
MP	Mahan TPP	Essar Power MP Ltd	Chinese	U-1	600	600	24-02-13
				U-2	600	---	
MP	Nigri TPP	Jaiprakash Power Ventures Ltd	NON-BHEL	U-1	660	---	
				U-2	660	---	
MP	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-1	660	---	
				U-4	660	---	
				U-5	660	---	
				U-6	660	---	
Orissa	Derang TPP	JITPL	BHEL	U-2	600	---	
Orissa	KVK Nilanchal TPP	KVK Nilachal	CHINESE	U-2	350	---	
				U-3	350	---	
Orissa	Lanco Babandh TPP	Lanco Babandh Power Ltd	CHINESE	U-2	660	---	
Orissa	Malibrahmani TPP (Monnet Ispat)	MPCL	BHEL	U-1	525	---	
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	CHINESE	U-7	135	135	16-03-13
				U-8	135	135	28-02-13
Rajasthan	Kawai TPP	Adani Power Ltd.	CHINESE	U-1	660	---	
				U-2	660	---	
TN	Melamaruthur TPP	Coastal Energen	Chinese	U-1	600	---	
				U-2	600	---	
TN	Tuticorin TPP-II(Ind barath)	Ind Barath	Chinese	U-1	150	150	10-03-13
				U-2	150	---	
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
Sub Total :					26677.5	3802.5	
Total :					45057.5	3802.5	
Total (12thPlan):					117397.1	20521.8	

CENTRAL SECTOR

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

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. com.	COD	Syn. com.	COD		
1	Barh STPP St-II (Dist: Patna),Bihar	1320					Unit-4: - Boiler erection commenced in Aug'09 and in progress. Out of total 34821 MT , 29566 MT material erected till Nov' 12. - Boiler Hydro Test completed in Nov' 11. - Boiler light up completed on 25th Nov' 12. - SBO expected to complete by 06/13. - TG erection commenced in Apr' 11 & in progress. - TG Box up completed on 28th Feb' 13. - TG oil-flushing completion expected by 05/13. Unit-5: - Boiler erection commenced in Feb' 10 and in progress. Out of total 33000 MT , 15257 MT material erected till Nov' 12. - Boiler Hydro Test expected by Nov' 13. - TG erection commenced in Dec' 11 & in progress. - TG Box up expected by 01/14. BoPs: - Chimney shell (269 Mtr) completed. - Cooling Tower RCC in progress.	
	U-4	660	10/12 12/12	01/13	08/13 10/13	11/13		
	U-5	660	08/13 10/13	11/13	08/14 09/14	11/14		
	Date of Sanction	: -						
	Investment Approval	: Feb'08						
	Sanctioning Authority	: NTPC Board						
	Orig.Est. cost	: Rs 734104 lakhs						
	Latest.Est. Cost	: Rs 734104 lakhs						
	Exp.During 2007-08	: Rs 6677 lakhs						
	2008-09	: Rs 42080 lakhs						
	2009-10	: Rs 47347 lakhs						
	2010-11	: Rs 126600 lakhs						
	Exp.During 2011-12	: Rs192600 lakhs						
Exp.During 2012-13 (upto 03/13)	:Rs 172300 lakhs							
Type of fuel	: Coal							
Fuel linkage	: 23491 TPD from Chhatti Bariyatu & Kerendari coal mines.							
Date of Main Plant Order (BTG)	SG : 03/2008 on M/s BHEL							
Zero Date	TG : 10/2008 on M/s BHEL							
Power Evacuation	: 14/10/2008							
	Critical Areas	Unit-4 : Critical supplies for Steam Blowing, Critical supplies for CW & MUW system (WPIL), Air Conditioning (ABB), CHP- Readiness of Interconnection Stream (TRF), 400kV Switchyard (Siemens), Fire Detection & Protection system(UML), Supply of Coal. Unit-5: Completion of Pr. Parts erection & welding joints for Hydro Test, SG supplies, TG Supplies.						

Sl. No.	PROJECT DETAILS	Capa- city (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com.	COD	
2	Vallur TPP St-I Ph-II Unit-3 (JV of NTPC- TNEB) NTECL. (DisttThiruvallur ,TN.) Unit-3	500	09/12 11/12	12/12	02/14 04/14	05/14	• MOEF: Clearance obtained on 03.06.09 • CRZ : clearance obtained on 14.07.09 • Chimney: Shell concreting completed. Flue cans erection completed. • Concreting, fabrication & erection of structure in progress in Main Plant area. • Boiler erection started on 30.06.10. 115244/23300 MT material erected up to 04/13. P 91 joints, Reheater coil erection & Air Pre Heater module erection done and ducting & coal piping work are in progress. • Drum lifted on 29/07/11. HT done on 30/09/12. • ESP column erection started in 12/10. 8499/ 11326 MT erected up to 04/13. ESP & D-pass hopper erections are in progress. • Condenser. Erection started on 02/ 05/12. Shell internals welding in progress. Lower dome & upper dome wall works is in progress. • TG erection started in 15/09/12. Stator & HP turbine erected. IP turbine bottom casing erection completed. LP girder shifted to location. • MDBFP deck casting completed. Booster pump Motor & Fluid coupling erected. • Bottom ash hopper erection in progress. • BOPs packages included under Ph-I. • IDCT 3A & 3B Riser pipe erection in progress. • ID Fan & FD Fan erection in progress. • PA fan A deck casting completed • CW duct work is in progress. • TP-11 erections & LHS bunker erection are in progress.
Investment Approval		: 07/2009					
Sanctioning Authority		: NTECL Board					
Estimated cost		: Rs 308678 Lakh					
Latest approved cost		: Rs 308678 Lakh					
Expd. During 2008-09		: Rs – Nil -					
Expd. During 2009-10		: Rs 21378 Lakh					
Expd. During 2010-11		: Rs 19977 Lakh					
Expd. During 2011-12		: Rs 37044 Lakh					
Expd. During 2012-13		: Rs. 54207 Lakh					
Expd. During 2012-13 (upto 04/13)		: Rs. 1301 Lakh					
Cumm.Expd. (up to 04/13)		: Rs. 133907 Lakh					
Type of Fuel		: Coal (MCL coal fields)					
Date of Main Plant Order		:28.07.2009 (SG &TG) on M/S BHEL					
Zero Date		: 28/ 07/2009					
Fuel Linkage		: In principle clearance received from Min. of coal For Ph-II					
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 Area		1. Construction of Coal Handling Plant and Ash Handling Plant 2. Readiness of bunkers and mills. 3. Supply of TG materials and its erection.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com.	COD	
	PROJECTS UNDER CONSTRUCTION						
3	Rihand STPS St-III (Distt. Sonbhadra, 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 completed on 29/12/12. - SBO completion expected by 05/13. - Condenser erection commenced on 24.05.11. - TG erection commenced on 29/ 07/11. - TG box-up completed on 27th Feb’13. - TG oil-flushing completion expected by 05/13. - All the Bunker shells/hopper erected. Welding in progress. Tripper floor casting (2 bunkers) is held up due to non fixing of Inserts by CHP vendor. - 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	07/12	05/12(A) 05/12(A)	11/12(A)		
U-6	500	10/12 12/12	01/13	09/13 11/13	01/14		
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 03/13)		:-Rs 109900 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: CHP Supply,CT-6A/6B,TG Erection Commencement, TG supply, CW Pump pkg, RHS Mill foundation & Feeder floor completion, Supply of Insulation for Critical piping from PC- Chennai, BHEL -SG Steam blowing .					

**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	Raghunathpur TPP Ph-I , Raghunathpur, Distt-Purulia, West Bengal	1200					1) The construction of boundary wall almost completed. 2) CISF deployed at site.
	Unit-1	600	09/10 10/10	11/10	09/13 12/13		Unit-I 1) Boiler erection started on 16.04.09. Drum lifting was completed on 29 th Jan' 10. HT completed in 09/11. BLU done on 17.10.12. Activities of EDTA and SBO have been delayed due to delay in Boiler insulation completion. 2) TG Box Up completed on 10/5/12. Oil flushing is in progress. 3) ESP: Erection in progress.
	Unit-2	600	12/10 01/11	02/11	03/14 06/14		Unit-2 1) Boiler erection started in Sep' 09. Drum lifting was completed on 2nd April' 10. Boiler Hydro test completed on 25.05.2012. BLU is expected in 08/13. 2) TG Deck-II Casting completed on 25-06-2012. TG erection pending as report of UPV test is awaited. 3) Mill & Bunker: Mill erection about 40% complete. Erection of Bunkers and liners is in progress. 4) ESP foundation: Erection in progress. 5) Coal Handling Plant: Delay in readiness of structural work of TPs and Galleries in interface area. 6) Insulation work has not yet been taken up due to non availability of insulation material at site.
	Investment approval. : 30.04.2007 (DVC Board)						
	Estimated cost : Rs.412200 lakhs						
	Revised approved Proj cost : Rs. 674499 lakhs						
	Exp. During 2006-07 : Rs 40.92 Lakhs						
	Cumul. Exp. 2006-07 : Rs 40.92 Lakhs						
	Exp. During 2007-08 : Rs 39620.00 Lakhs						
	Cumul. Exp. 2007-08 : Rs 39660.92 Lakhs						
	Exp. During 2008-09 : Rs 18920.00 Lakhs						
	Cumul. Exp. 2008-09 : Rs 58580.92 Lakhs						
	Exp. During 2009-10 : Rs 157420.00 Lakhs						
	Cumul. Exp. 2009-10 : Rs 216000.92 Lakhs						
	Exp. During 2010-11 : Rs 156210.00 Lakhs						
	Cumul. Exp. 2010-11 : Rs 372210.92 Lakhs						
	Exp. During 2011-12 : Rs 95191.00 Lakhs						
	Cumul. Exp. 2011-12 : Rs 467400.92 Lakhs)						
	Exp. During 12-13 (Prov) : Rs 86000.00 Lakhs (upto 03/13)						
	Cumul. Exp. 12-13 (Prov) : Rs 580000.00 Lakhs (upto 03/13)						
	Main Plant order Date : 14.12.2007 on REL (EPC). BTG order placed on M/s Shanghai Electric Corporation China by REL						
	Zero Date of Project : 14.12.2007						
	Power Evacuation System:						
	(i) S/C LILO of 400 KV Maithon(PG)-Ranchi(PG) D/C Line at RTPP- 24 Ckm to meet the startup power of RTPP.						
	(ii) 400 KV D/C RTPP- Ranchi (PG) Line 301.18 Ckm for the power evacuation line expected to complete by August' 10.						
	Fuel Supply Arrangement:						
	1.76 MTPA Coal from BCCL, for Unit-1 only on tapering basis and rest will be taken from the Saharpur-Jamarpani Coal block jointly allocated to DSTPP & RTPP PH-I & II.						
Critical Areas		Frequent stoppage of work by land losers & ITI students. Delay in land acquisition for Ash Pond, Rail and water Corridor. Slow erection work. Work of NDCT-I Boiler Insulation materials					

**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. Unit -I Synchronized with NER Grid in CC mode on 22.10.12 & achieved full load on 03.01.13 for a short duration. Unit-II GTG oil flushing & barring gear completed. STG oil flushing expected in 5/13 & barring gear also by 5/13. HRSG hydro test completed & Full load in CC mode by 08/13.
	Module - 1	363.3	12/11	-	22.10.12 03.01.13	-	
	Module - 2	363.3	03/12	-	06/13	-	
	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 12/12)		: Rs 56300 lakhs				
	Comm. Exp. Upto 12/2012		: Rs 272500 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. - Non availability of cable (180Km) Repair of damaged CEP & supply of missing/ damaged items				

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		
2	Tuticorin TPP Joint Venture of TNEB and NLC (NTPL) Distt. Tuticorin, TN.	1000						• 102.265 hectares of Land is available on long term basis. • Sea water after treatment (11000 CuM/hr). • MOE&F: clearance accorded on 13.06.2007& extended up to 12-06-17. • M/s MECON appointed consultant for the project. • Funding is arranged with RECL. • Chimney: Order placed on 29.01.10 (M/s Gammon). 269.5 m shell casting completed by 12/12. Fabrication of flue can and Platform beam is under progress. Flue cans erection yet to start. • NDCT: Order placed on 12-03-10 on M/s Gammon. Grillage columns & RCC works in progress.123 m shell for U-1 and 109 m for U-2 completed • CHP order placed on 31.07.09 (M/S L&T). Erection of JTs and conveyor gallery is in progress. 7675/7787 MT structural material erected and 4056/4560 MT equipment erected by 04/13. • AHP order placed 08.04.10 (Energo). Mech erection started. Silos and pipe rack concreting is in progress. • WTP: order placed on 23.07.10 on M/s Tecton. RCC work for intake pump house, UF & RO bldg, PT pump house and clarifier is in progress. • FOS: RCC for FOPH completed. Fabrication and erection of HFO/LDO tanks in progress. • CWS: order placed on 31.10.09 on KBL. CW channel raft completed. RCC for bay and channel wall, pier wall and fabrication of pipes in progress for both units. Shuttering work for motor floor is in progress. • DM: Storage DM tanks, reject water tanks, sludge tank, DM chemical house guard pond, BAST and UF cum backwash tank are completed. Cable laying is in progress. Equipment erection in RO bldg is in progress. • FPS: LOA issued to M/s Mather & Platts. Excavation work started. • Switchyard: Order placed on 29-01-10 (M/s L&T). Erection of 400 kV GIS completed. Testing for 220 kV systems is in progress. RCC for cable trench is in progress.
	U-1	500	01/12 03/12	04/12	11/13 12/13	12/13		
	U-2	500	06/12 08/12	09/12	02/14 03/14	03/14		
	Date of Sanction	: 12-05-2008.						
	Sanctioning Authority	CCEA						
	Date of Inv. Approval.	12.05.2008.						
	Original Estimated cost	Rs 490954 Lakh (NLC:TNEB::89:11)						
	Latest Estd. Cost	Rs 654093 Lakh						
	Exp. during 2007-2008	Rs 827 Lakh						
	Exp. during 2008-2009	Rs 21527 Lakh						
	Exp. during 2009-10	Rs 50153 Lakh						
	Exp. during 2010-11	Rs 88476 Lakh						
	Exp. during 2011-12	Rs 115835 Lakh						
	Exp. during 2012-13	Rs. 136002 Lakh						
	Exp. during 2013-14 (up to 04/2013)	Rs. 7580 Lakh						
	Total Expenditure	Rs 4204.04 Crores						
	Financial Closure	: Tied up with BOB & BOI						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 28.01.2009 (BTG) on M/s BHEL.						
	Zero Date	: 28.01.2009.						
	Fuel Linkage	: Long term coal linkage for 3.0 MTPA of F-grade coal is available from Mahanadi coal fields FSA yet to be signed.						
	PPA	: PPA signed with TNEB, DISCOM OF Andhra Pradesh, ESCOMs of Karnataka, PED Puducherry and KSEB.						
	ATS	PGCIL has made the system ready						
Critical Issues		1. Placement of order for fire fighting equipment and inlet & outlet channels & structure of CW System delayed. 2. Delay due to change in design of foundations (depth) of main plant area and finalization of civil contractors. 3. Inadequate mobilization of resources for civil works and all other front for Mechanical erection. 4. AHP is very critical as the work is not yet started						

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 <					

Broad Status of Thermal Power Projects in Punjab

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / As now Anticipated.			
			Syn. Com.	COD	Syn. Com.	COD		
Private Sector								
3	Goindwal Sahib TPP GVK Power Ltd. (Distt. : Tarntaran)	540					-Tata Consulting Engineers (TCE) Ltd. appointed as technical consultant. -Amended and Restated PPA signed with PSEB on 26.05.2009. -FSA executed on 06.06.2009. -Land possession: 1074.615 Acres of land acquired for the main plant. Possession of 37.98 Acres of land for railway corridor given on 09.02.2013. - BOP package is with M/s PUNJ LLOYD executed on 14.09.2009. 1) CHP: (PUNJ LLOYD): Wagon Tippler and 1&2, stacker reclaimers work is in progress. Crusher house structural work completed. Carpet coal laying is in progress. 2) Chimney: 275 mtr height complete shell casting done. 7th Flue can assembly completed. Staircase pedestals completed. Unit-2: Flue can 7/7 segments erection completed. 3) IDCT: IDCT I : Riser work in all 14 cells completed. IDCT- II : 10 cells deck slab completed. 4) PT Plant: Const. work is in progress. 5) DM Plant: Plant commissioned on 19.09.2012. 6) F.O. System: LDO fuel oil station work completed. Unit-1:- -Boiler erection started on 06.09.2010. Boiler drum lifted on 08.03.2011. -Boiler hydro test completed on 10.04.2012. -Boiler light up done on 19/ 01/2013. - SBO completed on 23.03.2013 - TG erection started on 18.08.2011 - TG boxed up on 31/10/ 2012. - TG oil flushing completed on 04/01/2013. Synch. on oil expected in 05/2013 and full load in 08/2013.. Unit- 2:- -Boiler erection started on 19.11.2010. Out of 13597 MT of Boiler material, 9483MT have been erected till 04/13. -Boiler Drum lifted on 24.07.2011. -Boiler hydro test completed on 26.09.2012. -Boiler light up expected in 08/2013. -TG erection started on 31.05.2012 HP/ IP/ LP alignment completed. Generator-Stator centering completed. TG box up expected in 8/2013.	
	Unit-1	270	11/12 04/13	05/13	05/13 08/13	09/13		
	Unit-2	270	05/13 10/13	11/13	10/13 01/14	02/14		
	Date of clearance by State Govt.	: 18.05.1998						
	Original Est. Cost	: Rs. 262248 Lakhs						
	Latest Est. Cost	: Rs. 296381 Lakhs						
	Date of Financial Closure	: 21.05.2010. IDBI is the lead lender Debt – 80% Equity – 20%						
	Exp. during 2010-11	:Rs. 94860 Lakhs						
	Exp. During 2011-12	:Rs100725 Lakhs						
	Exp. During 2012-13	:Rs 77166 Lakhs						
	Exp. During 2013-14 (upto 04/13)	:Rs 6540 Lakhs						
	Commulative Expd. (Upto 04/13)	:Rs.279291 Lakhs						
	Type of fuel	: Pulverised Coal						
	Date of Main Plant Order	: 06.02.2009/ Notice to proceed on 29.09.2009 (BTG) on BHEL						
	Zero date	21.05.2010						
	Fuel Linkage	: Received on 05.04.2006 for 2.5 MTPA Tokisud north coal field allotted as a captive coal mine. To supplement coal supply, MOC, allocated part of seregarha coal block to be developed jointly by GVK and M/s Arcelor Mittal.						
	Associated Transmission System	Three double ckt 400 KV transmission lines have been planned to the following proposed sub stations from the project (i) 220KV Sub station Kharsa (ASR) - 60 Km (ii) 220KV Sub station Bottianwala (Ferozepur) - 38 Km (iii) 220KV Sub station Sultanpur (Kapurthala) - 20Km						
	Critical Areas	.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn. Com.	COD	Syn. Com.	COD	
Private Sector							
1	Talwandi SABO.TPP Talwandhi Sabo Power Ltd. (Distt: MANSA)	1980					-M/s DCPL is the Engineering Consultant w.e.f 18.02.09. - PPA signed with PSEB on 01.09.2008 for 25 years. -Land possession: 100% acquired. 1) CHP: (SEPCO/GDCL): Wagon Tippler-1A&B equipment erection n progress.Wagon tippler- 2: Hopper const. completed.. 0.85m slab completed. 2) Chimney: (SEPCO/L&T): Out of 275 mtr height of tri flue chimney 270 mtr shell construction completed. Flue completion for unit-1 is expected to be completes in 07/13, for unit -2 in 10/13 and for unit-3 in 01/14. 3) NDCT: (SEPCO/ 2Nos to Paharpur & 1No to- - L&T):. NDCT-1: Total 155.mtr height completed. Internal work in progress. NDCT-2: Total 155.mtr height. 32 Mtr shell completed upto 04/2013. NDCT-3: Out of 155Mtr height 75 Mtr shell completed till 04/2013. Internal work in progress. 4) AHP: (SEPCO/L&T): Ash silo-1,2&3 erection is in progress 5) PT Plant (SEPCO/L&T): Equipment & mechanical erection work completed. 6) DM Plant: (SEPCO/L&T): Plant commissioned on 31.12.2012 7) F.O. System: (SEPCO/L&T): LDO-1 hydro test completed. LDO-2 hydro test in progress. Mechanical erection work in progress. Unit-1:- -Boiler erection started on 10.01.2011 and out of 25061 MT of boiler material 22357 MT has been erected upto 04/2013. -Boiler Hydro test done on 21/ 01/2013. -Boiler light up expected in 08/2013 -TG erection started on 16.08.2012 and is in Progress - TG boxed up on 24.03.2013. Unit- 2:- -Boiler erection started on 25.06.2011 and out of 25311 MT of boiler material 14215MT has been erected till 04/2013. Out of 7407MT of Pressure parts erection 6802 MT completed. Out of 48888 HP joints 38253 nos completed till 04 / 2013. -Boiler Hydro test expected in 06/2013. -Condenser erection started on 02.11.12. -TG erection started on 15/ 03/13. Unit-3:- -Boiler erection started on 25.12.2011 and out of 25311 MT of boiler material 12242 MT has been erected till 04/2013. Out of 7407MT of Pressure parts erection 2749 MT completed. Out of 48888 HP joints 26800 nos completed till 04/ 2013 -Boiler Hydro test expected in 09 / 2013. -Condenser erection started on 10/ 01/13. -TG erection started on 08/04 / 2013.
Unit-1	660	09/12 10/12	11/12	11/13 12/13	01/14		
Unit-2	660	02/12 01/13	02/13	03/14 04/14	05/14		
Unit-3	660	04/13 05/13	06/13	06/14 07/14	08/14		
Date of clearance by State Govt.		: 09/2006					
Original/Latest Est. Cost		: Rs. 1025000 Lakhs					
Date of Financial Closure		: Entire funding by holding Co. : Funding arrangement made. :Debt: 75%, Equity:25%					
Exp. During 2009-10		:Rs.101278 Lakhs					
Exp. During 2010-11		: Rs. 66000 Lakhs					
Exp. During 2011-12		:Rs.306100 Lakhs					
Exp. During 2012-13		:Rs.270800 Lakhs					
Exp. During 2013-14 (upto 04/13)		:Rs.83500 Lakhs					
Commulative Expd. (upto04/13)		:Rs 827678 Lakhs					
Type of fuel		: Coal grade E/F					
Date of Main Plant Order		: 18.07.2009 (EPC) BTG+BOP on M/s SEPCO Electric Power Construction Corp'n, Jinan, Shandon, China.					
Boiler Make		: Harbin					
Turbine & Generator Make		: Dong Fang.					
Zero date		: 09.09.2009					
Fuel Linkage		: M/s Mahanadi coal-fields ltd. Sambalpur have already issued a LOA for supply of 7.72 MTPA of coal grade E/F on 14.08.2008 from Basundra coal -fields for 1000 MW. Request for the enhancement of coal made for 10 MTPA for 1980 MW.					
Associated Transmission System		The system will be provided by erstwhile PSEB (PSPCL). Investment for transmission system is the responsibility or PSPCL Following 400 KV, DC Twin-moose lines approved for evacuation of power ordered for exection by M/s PGCIL. Work in progress. a)400 KV Talwandi Sabo to 400 KV Nakodar with LILO of one ckt at 400 KVA PGCIL moga b) 400 KV Talwandi Sabo to 400 KV Nakodar with LILO of one ckt at 400 KVA PGCIL Mukatsar. c) 400 KV Talwandi Sabo to 400 KV Dhuri					
Critical Areas		1) FSA yet to be signed by TSPL 2) Enhancement of coal linkage from 7.72 MTPA(for 1800 MW) to 10 MTPA (For 1980 MW) 3) Allotment of dedicate of coal block for coal linkage as nearest Coal mine is more than 1500 km away.					

BROAD STATUS OF THERMAL POWER PROJECTS IN RAJASTHAN

BROAD STATUS OF THE POWER PROJECTS IN RAJASTHAN							
Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. (Com.)	COD	Syn. Comm.	COD	
A	PROJECT UNDER CONSTRUCTION						
	State Sector						
1.	Kalisindh TPP RRVUNL (Distt. Jhalawar)	1200					- LOA Placed on M/s BGR on 09.07.2008 to execute the project on EPC basis. - CHP: Stacker cum reclaimers rail beam erection is in progress. Erection of BCN in different section is in progress. Civil works for BCN -8 in progress. Electrical system to be completed. Erection of coal mills for U-2 is in progress. - AHP: U-1 piping of bottom ash hopper is in progress mounting of clinker grinder gear & motor assembly is in progress. U-2 Erection of structure work and seal trough work is in progress. Ash dyke work is in progress. Erection of pump for bottom ash and pipeline is in progress. - NDCT: U-1 CT Shell casting (202 m) completed. It is ready for use. U-2 Shell casting completed. Grillage columns and bracing construction completed. PVC fills work is in progress. - Chimney: 275 m RCC shell completed. Flue cans erection for both units completed. It is ready for use. - FOS: Fuel oil system is ready. - Switchyard: 220 kV switchyard is ready and four number 400 kV bays completed. Reactor bay yet to be commissioned. Unit-1 - Boiler: erection started on 23.10.2009. Boiler drum lifted on 19.05.10. SBO completed on 26-03-13 - HT: conducted on 08-04-11. - BLU: Completed on 30-12-12 - TG: erection started on 20.12.10. Oil flushing completed on 25-01-13. TG Boxed up on 31-01-13, turbine put on barring gear on 03-02-13. Synchronisation is expected in June, 13. Full load expected in 09/13. Unit-2 - Boiler erection started on 26-03-10. Boiler drum lifted on 14-08-10. Erection of coal mills and bunkers in progress. - Boiler HT: conducted on 15-12-11. - Boiler light up is expected on 31-08-13. - Box-up: expected on 28-08-13. - ESP: Air leak test is completed for all passes and insulation work is in progress. - TG & condenser erection started on 25.08.11. Generator placed in position. MDBFP and TDBFP erection works are in progress. Oil flushing expected in 09/13.
U-1	600	10/11 12/11	-	06/13 09/13	10/13		
U-2	600	01/12 03/12	-	11/13 12/13	01/14		
Original Estimated cost		:Rs. 460000 lakhs					
Latest Estimated cost		:Rs. 772300 lakhs					
Expenditure During 2008-09		:Rs. 63700 lakhs					
Expenditure During 2009-10		:Rs. 84534 lakhs					
Expenditure During 2010-11		:Rs. 253596 lakhs					
Expenditure During 2011-12		:Rs. 142400 lakhs					
Expenditure During 2012-13		:Rs. 84793 lakhs					
Expenditure During 2013-14 (up to 04/13)		:Rs. 1168 lakh					
Total Expenditure		:Rs 6301.91 Crores					
Zero Date							
Type of fuel		Coal					
Fuel Linkage							
Date of main plant Order		M/s BGR on 09.07.2008 (EPC)					
Power evacuation system							
Critical Areas		- CHP erection, tripper floor, erection of tripper and ‘A’ mill and bunker. - Start up power					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) /As now expected			
			Syn. (Com.)	COD	Syn. Comm.	COD		
2.	Chhabra TPP Extn. RRVUNL (Distt. Baran)	2x250					• LOA Placed on M/s BHEL. An advance of Rs.7421.25 lacs paid to BHEL. • CHP (TRF): Wagon Tippler-3 completed. WT-4 is about to complete. Crusher house structural erection completed equipment erection is in progress. Stacker cum re-claimer is ready. Contingency arrangement for transferring coal from existing unit to new unit is in progress. • AHP (Indure): Fly ash system is completed. 50% BAH work completed and other work in progress. • Chimney (Syad Yusuf): Chimney shell casting and flue can erection completed. Chimney is ready for use. • Cooling Tower (PCT): CT3 and CT4 completed. • PTP: Flocculator walls are under construction. 50 % clarified water tank completed. 25% erection work completed. • DM Plant: Building ready. Equipment erection is in progress. DM water to be taken from existing plant for synchronisation • CW Pump house: Two CW pumps and two ACW pumps are ready for use. Other pumps are under erection. Water fore bay is ready. Water to be charged in fore bay. • FO system: 9% supply received at site. • FPS: Supply received, erection (40%) work is in progress. • Switchyard: Erection of equipment is completed. Cabling (92%) work in progress. Unit-3 • Boiler erection started on 24-06-10, boiler drum lifted on 31-12-2010. Critical pipe joining is in progress. Pipe insulation in progress. Hot air duct insulation in progress between boiler and ESP. Tripper floor is not yet constructed. Mills are ready, trail to be taken. SBO completed on 15-03-13. • HT: conducted on 19-03-12. • Boiler was lighted up on 31-12-12. • Box up: completed on 22-03-13 • TG: Control room is getting ready. Cabling work is in Progress. IPBD erection is in progress. Oil flushing completed on 14-03-13. TG put on barring gear on 25-03-13. Unit Synchronized on 15-05-13. Unit-4 • Boiler erection started on 24-09-10, Boiler drum lifted on 06-06-11. • HT: conducted on 07-12-12. • BLU: expected on 11/13 and SBO in12/13 • TG: erection started on 20-09-12 and is in progress. • Box up: expected in 12/13. Oil flushing is expected in 08/13	
	U-3	250	03/11 (05/11)	-	05/13 06/13	07/13		
	U-4	250	05/11 (07/11)	-	02/14 03/14	03/14		
	Original Estimated cost		Rs. 220000 lakhs					
	Latest Estimated cost		Rs. 299000 lakhs					
	Expenditure During 2008-09		Rs. 22137 lakhs					
	Expenditure. During 2009-10		Rs. 65594 lakhs					
	Expenditure During 2010-11		Rs. 81890 lakhs					
	Expenditure During 2011-12		Rs. 39999 lakhs					
	Expenditure During 2012-13 (up to 03/13)		Rs. 34898 Lakhs					
	Total Expenditure		Rs. 2445.18 Crores					
	Type of fuel		Coal					
	Fuel linkage							
	Date of main plant Order		BTG on M/s BHEL on 20.08.2008					
	Power evacuation system		State owned					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. Com.	COD	Syn. Com.	COD	
3.	Ramgarh CCPP ST-III RRVUNL (Distt. Baran)	160					BOPs • IDCT: Erection works completed. Risers are to be connected with header which is still to be laid. Commissioning activities will be started on availability of start up power. • DM Plant: DM Tank erection completed. DM building foundation work in progress. MCC room on roof level, work in progress. • CWS & ACWS: ACW system is ready. Fore bay raft completed, side walls are yet to be constructed. Pipe fabrication work is in progress. Excavation for laying CW pipes not yet started. • RWR: Reservoir flooring is in progress for PWR-3. Excavation for RWR-4 is in progress. • Switch yard: All towers and gantry erected along with equipment. Equipment testing is in progress. 100 MVA, 220/132 kV ICT erected, testing to be done. GT, STG, UAT and ICT transformers all charged. • GT: Alignment of gas turbine, generator and exciter with coupling completed. Fuel. GT oil flushing started on 03.11.12 and completed on 25-12-12. Control room A/C and fire fighting work is in progress. Cranking done on 05-03-2013 • Cranking: done on 05-03-13 and GTG was run on full speed with no load. Unit synchronized on 20-03-2013 and achieved full load on same day ie on 20-03-2013.
	GT	110	05/11 05/11		03/13(A) 03/13(A)		
	ST	50	09/11 10/11	12/11	11/13 12/13		
	Original Estimated cost		Rs. 64000 Lakh				
	Latest Estimated cost		Rs. 64000 Lakh				
	Expenditure during 2009-10		Rs. 9933 Lakh				
	Expenditure during 2010-11		Rs. 23791 Lakh				
	Expenditure during 2011-12		Rs. 12685.2 Lakh				
	Expenditure During 2012-13		Rs. 8336.6 Lakh				
	Expenditure During 2012-13 (up to 04/13)		Rs. 25.0 Lakh				
	Total Expenditure		Rs. 547.75 Crores				
	Type of fuel		Gas				
	Fuel linkage (FSA)		Finalised				
	Zero Date		27-07-09				
	Date of main plant Order		M/s BHEL on 18.08.2009				
	Power evacuation system						
	Critical Areas		• Delayed due to approval of BoP drawings • Welding of gas pipes • Water system, CWS and erection TG are critical				

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.		
2.	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 185/270m. Chimney will be ready by end of Feb.,13. 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. , 31309/41612 MT of Pressure Parts + non-pressure parts +ESP erected. HT completed on 05.10.11. Non Drainable HT completed. BLU completed on 14.01.13. EDTA expected by the end of 01/13.SBO start expected on 15.02.13 and completed after 10 days (25.02.13). After that, normalization will take place with in 15 days. Syn expected in 07/13 (Middle) and full load end of Aug.13.. (EDTA not done due to non- availability of Chemical. BHEL may arrange the chemical and EDTA will be start expected on 28.05.13 and completed on 05.06.13) MDBFP for both units and TDBFP for both the units completed. Rotating Machines: ID Fan-1A- Lun oil skid placed. ASPH -1B- Commissioned FD Fab-1A- Erection I/P-Silender erection completed. PA Fan- A- Erection I/P, Fan-B- Lub oil skid placed & piping fitting completed. Mills (RHS)- Lub oil skid 5/5 placed. Pipe fitting completed. Mills (LHS)- Journal opening- BTT 5/5 completed. TG-1: TG deck completed. TG erection started on 13.03.11 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 IP turbine final Box-up completed.Stator placed in position. TG box-up completed on 23.02.13. Barring gear expected in 08/13. (LPR upper casing not covered as on 31.01.13.TG lub Oil & MDBFP lub.oil flushing Under progress) U-2: Boiler erection started on 24.04.10 Boiler drum lifted on 6.3.11. 23778 MT erected. MDBFP for U-2 completed. HT Completed on 06.09.12 (Drainable). Duct support ESP to Chimney U-2 U/P. FD fan will be ready by 25.12.12. Pent house erection & Insulation work U/P. Coal pipe & damper erection U/P. BLU expected in 07/13. TG-2: TG deck completed. TG erection started on 18.10.11 All the bearing leveling completed (Catnery tubes). Condenser side wall welding work completed. Water fill test completed. HP turbine roll check ,horn drop and bump check completed. IP turbine placed in position & alignment U/P. LP rotor placed in position. Deaerator HT completed. HP heater-6B placed in position. 32 TSP placed in position and welding work U/P. Condenser water fill test completed. Lub-oil piping work U/P.
	Unit-1	500	05/12	09/12	07/13	08/13	10/13	
	Unit-2	500	07/12	11/12	09/13	12/13	2/14	
	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 130726 lakhs						
	Exp During 12-13							
		: Rs 15728 lakhs						
	Exp During 13-14 (Up to 04/13)							
		: Rs 48038.3 Lakhs						
	Total Cumm. Exp. (up to 04/13)							
	Type of fuel	: Coal						
	Financial Closure	: 31.03.08						
		11.04.08 for BTG and 25.08.09 for BOPs						
	Zero date							
	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.. i) 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 signied with CSPDCL for sale of 100% power.						

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	TG box –up expected in 08/13 9) LOI issued for other BOPs through ICB route on M/s BGR on 25.08.09. 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 completed. Basin raft,gutter raft, grillage column & precast beam C W channel are U/P. U:2: Ring beam work completed construction of tower shell U/P up to 88.2 m completed. CT will be ready by end of Feb.,13. 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. CHP will be ready by mid March,13. 13) AHP: Civil works under progress at ash silo & compressor room and HCSD pump house & MCC room. AHP will be ready by mid March,13. 14) Switch Yard: 220Kv Switch yard : Charged. 400 Kv : 51 Tower foundation work completed. & equipment foundation work 374completed and 23 Tower & 4 No Gantry erected Tower structure & equipment structure work 231 completed. Supply of material started by BHEL. About 124320.8 MT boiler material, 19572.117 MT of ESP material and 18581.65 MT of Turbo generator material was received at site as on 30.04.13
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. There was an accident in boiler area and one person loss his life on 18.12.12. work was stopped and resumed on 21.12.12. Water System is likely to be ready in time. CHP and AHP are critical. Switchyard is being expedited. Efforts are being made to expedite all critical activities. Delay in readiness of BOPs (work was earlier affected due to local strike). Now work resumed and contracting agencies be mobilized but instances of material pilferage was reported.	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm COD	
4	Tamnar TPP (O.P. Jindal STPP at Raigarh) M/a Jindal Power Ltd	2400					1)Main plant package (BTG) awarded on 26 th December,2008 on BHEL. M/s Development consultant Pvt. Ltd (DCPL) appointed as Technical consultants. 70 MCM Water approval received on 26.02.09. Land requirement for 3400 MW land requirement is 955 Ha. Land available is 766.66 Ha. Remaining land is under acquisition. Civil aviation Clearance obtained on 22.01.10. MOEF clearance had withdrawn the TPR for the project in 06/2010. However, MOEF accorded clearance for 2x600 MW on 18.03.11. and for U-3 & 4 (2x600) received on 04.11.11. Consent to establish of the project from SPCB on 15.11.11 for domestic linkage coal for 2x600 MW and imported coal for U-3 & 4.
	Unit-1	600	11/13	01/14	11/13	02/14 03/14	Boiler foundation work completed. Power house building work for row A & B completed. AB Bay roof sheeting in progress. TG building foundation in progress. Unit-1: Boiler erection started on 18.11.11.Drum lifted on 06.03.12. Pressure parts 27050/34413 completed. HT completed on 02.02.13 & BLU completed on 30.03.13. 38112MT/31300MT boiler & 8446MT/7716MT of ESP material erected, 2968MT/1950MT ducting material erected. 1661MT/615MT insulation completed. 938nos/815Nos Joints PCP erected. 5500MT/4800MT bunker material erected (7/8 bunkers completed.) Syn. expected in 07/13 and FL by 07/13. TG: deck column & beam casting work under progress. Condenser erection started on 06.08.12. TG erection started on 05.09.12. HP module alignment completed .IP preliminary box-up in progress and LPT -1 roll check in progress. TG box-up expected in 05/13. Unit-2: Boiler erection started on 15.01.12. Drum lifted on 05.07.12. Pressure parts 25144/34412 completed. HT completed on 16.04.13. BLU expected in 07/13. Syn. expected in 10/13 & FL in 10/13. 38531MT/28173MT boiler & 8446MT/7843MT of ESP material erected, 2968MT/1250MT ducting material erected. 1660MT/10MT insulation completed. 938nos/550Nos Joints PCP erected. 5500MT/4800MT bunker material erected (4/8 bunkers completed.) TG: Condenser erection started on 10.10.12. A tubing completed. TG erection started. In 02/13 . HP module placed. TG box up expected in 09/13. Generator expected to reach at site by Mid 08/13. Unit-3: Boiler erection started 23.11.12. Drum
	Unit-2	600	02/14	04/14	02/14	06/14 07/14	
	Unit-3	600	07/14	09/14	11/14	01/15	
	Unit-4	600	09/14	11/14	03/15	08/15	
	Date of TEC	: Not Required					
	Date of Appr. State Govt.	: Consent to establish obtained from C.E>C.B on 15.11.11.					
	Est. approved cost	Rs. 1280000 lakhs					
	First 2 Units cost	Rs. 711000 lakhs.					
	Exp. During 2011-12	Rs: 289600 lakhs					
	Exp during 2012-13	: Rs. 230400 Lakhs					
	Cum.Exp. up to 03/13	: Rs 520000 Lakhs					
	Financial Closure	26.03.2010					
	Zero date						
	Type of fuel	: COAL					
	Date of Main Plant Order	Main plant package (BTG) awarded in Dec.2008 on BHEL. (Rs 5040 Crs.)					
		Delay in U-3 is due to start of boiler erection.					
		U-4 : Delay in readiness of main plant civil works					

		lifted in a record time of 96 days HT expected in 10/13. TG: TG raft completed. TG deck casting completed and erection expected in 06/13 and TG erection start expected in 09/13. Unit-4: Civil works are in progress. Boiler erection started and D.L exp. In 07/13. TG: Piling work for TG deck is in progress. Condenser erection start expected in 06/13 and TG erection expected by 10/13. CHP: TP structural erection under progress.7650/15000MT completed. AHP: Compressor house and ash water P/H foundation completed. Civil works U/P. Piling work for silo 1,2,&3 completed and 4 U/P. For U-1 490 MT/250MT erection completed. Chimney: 1.(U-1 & 4) Shell height 270 m/270 m completed. For U-1 Flue can erection completion expected by 07/13. Chmney-2: (U-2 & 3) Shell work U/P & 221M shell height Completed. For U-2 shell completion expected by 05/13. Cooling Towers(NDCT):Tower-1 Ring beam completed. Jumpform erection completed. Casting of shell completed. Tower-2: Rucker column Completed. Casting of shell U/P 120m/155 completed. Tower 3 : Racker column work U/P.
	FSA	For U-I &2: LOA from SECL & MCL . All milestones activities related to LOA achieved. Execution of FSA is in process. For U-3 &4: for in-term period till coal linkage , imported coal will be used from Mozambique.
	PPA	MOU with state Govt. JPL has to supply 30%(720MW) at the rate fixed by SERC and 5%(108 MW) at variable charges to State Govt or its nominated agencies. PPA sign shortly.
	Power evacuation System	Agreement for LT access signed with PGCIL dated 24.02.12.
	Critical Areas	No PPA for remaining power and hence FSA has not signed with SECL and MCL. Evacuation problem.

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Act.(A) / Ant.			
			Syn.	Comm	Syn.	Comm COD		
11	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: Flue can erection completed. Switchyard Back-charged on 29.09.12 Boiler:1 Erection of Boiler-1 started in 11/10. Boiler Drum lifted on 23.02.11. HT completed on 28.01.12. Explosive Approval obtained on 22.01.13 and oil will be arranged with in 3 days.. BLU completed on 06.03.13. SBO started and F.L exp. By end of 03/13. TG-1: TG erection started in 11/11and TG box-up completed on 10.05.12 Letter issued by CEA to Chairman, CIL for 30000 T of coal for U-1 on 11.01.13. Boiler-2 : Boiler erection started in 11/10 and drum lifted in 04/11. HT completed in 10/12 and BLU by 04/13. Synchronization expected by 07/13 and full load by 08/13. TG-2: TG erection started in 11/11and TG box-up expected in 05/13 Delay due to supply of boiler material & CHP material by M/s Cethar Vessels Ltd.and delay in getting of start up power. Delay due to agitation by the villagers at project site. BLU delayed due to problem in main steam valve. The main steam valve was replaced with another new valve on 22.02.13.	
	Unit-1	135	06/11	06/11	01/13	03/13		
	Unit-2	135	09/11	09/11	07/13	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 in 08/2009					
	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					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
3	Baradarha TPP M/s DB Power Ltd Distt.- Janigir-Champa	2x600					Unit-1: ●Boiler erection started on 14.03.11 . ●Boiler drum lifted on 06.10.11 . HT conducted on 17.08.12 . ● HT non drainable completed on 5.03.13 . ●BLU achieved on 22.03.13 . ●SBO comp. expected by 06/13. ● TG civil works started on 14.02.12 . ●Condenser erection started in 04/12 ●TG erection started in 06/12 . ● TG Box up exp. 05/13. ● TG oil flushing comp. expected in 06/13. Unit-2: ●Boiler erection started on 05.08.11 . ●Drum lifted on 24.02.12 . ●HT conducted on 04.03.13 . ●BLU expected in 07/13. ●SBO completion expected in 09/13. ● TG deck casted on 15.07.12 . ● Condenser erection started on 15.12.12 . ●TG erection started on 25.02.13 . ●TG box up expected in 09/13. ●TG oil flushing comp. expected in 10/13. BoPs:- CHP: All the foundations completed. TP-5 to TP-8 erection is in progress. Crusher house erection is in progress. AHP: BAH-1 civil works completed and erection is in progress. Civil works in progress at Ash water and Ash slurry pump house and Transport air compressor house. FO System: LDO tank erection completed. LDO pump house building is in progress. Earthwork u/p in LDO farm area. RCC and water proofing work completed. Mechanical work is in progress.
Unit-1	600	03/13	03/13	08/13	09/13		
Unit-2	600	07/13	07/13	12/13	02/14		
Date of TEC	: Not Required						
Date of Appr. State Govt.	: MOU signed with GC on 07.01.08.						
MOE&F	: 16.09.10						
Est. approved cost	: Rs. 653300 lakhs						
Latest Cost	: Rs. 664000 lakhs						
Exp. During 2006-07	: Rs.24.49 lakhs						
Exp. During 2007-08	: Rs. 915.45 lakhs						
Exp. During 2008-09	: Rs. 2165.73 lakh						
Exp. During 2009-10	: Rs. 15155.22 lakhs						
Exp. During 2010-11	: Rs. 87168.09 lakhs						
Exp. During 2011-12	: Rs. 202745.02 lakhs						
Exp. During 2012-13 (12/12)	: Rs 166552 lakhs						
Cum.Exp. up12/12	:Rs. 474726 lakhs						
Financial Closure	: 25.03.11						
Zero date	: 24.06.10						
Type of fuel	: COAL						
Date of Main Plant Order	:BTG on BHEL on 24.06.10						
Power evacuation System	: Signed with PGCIL on 24.2.2010.						
PPA	: 39% with CSPHCL & 47% with PTC						
Coal Linkage/ FSA	: Coal block allotted on 6.11.07 (2.0MTPA). Linkage for LT from SECL for 2.497 MTPA and 2.497 MTPA from MCL. Yet to sign FSA.						
Power Transmission line	: Construction of 400 kV D/C line awarded to M/s KEC on 24.06.11.						
MoEF clearance	Achieved on 16.09.10.						
Land	630 Acres.						
Water	40 MCM Water from river Mahanadi allocated on 27.12.08.						
BOPs including main plant civil works	M/s Larsen & Toubro on 15.10.10. (EPC).						
Critical Areas							

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Ant..		
			Syn.	Comm	Syn.	Comm	
8	Swastik TPP M/s SPMRPL Kanberi vill Korba Distt.						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. Unit-1: Boiler erection started on 16.11.10. Drum lifted on 10.03.11. HT completed on 02.03.12.. BLU expected 06/13. Synchronisation expected in 07/13. Full load expected in 08/13. (95% work completed in boiler area) . Boiler Refractory work of completed. HP piping work U/P. (100% feed line & 95% steam line piping work completed) TG: Condenser erection started on 01.04.12. Turbine erection started on 15.04.12. All major equipment placed on foundation in TG side and alignment work is completed; TG box-up completed on 10.03.13 and oil flushing expected in 05/13 & Barring gear expected in 06/13. CHP: Civil works completed .Erection of trestles of conveyors & conveyor belts completed. Crushers & screen placed at position. Fabrication & erection of chute & hopper completed. Alignment of gear-box & motor of coal conveying is under progress. AHP: 100% of civil foundation of pipe line support completed & civil work of fly ash silo almost completed and bottom ash is under progress. Cooling Tower . Ready on 30.11.12 Chimney: Ready on 15.06.12 (95 m height) Project got delayed due to CHP contract revision by M/s OSM. Fund problem due to change in ownership. Delay in refractory work of boiler by M/s IJT 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 to variation in weight of structure.- Matter resolved and time taken to re-mobilization of site Defect in Super heater coil which was sent to Yamuna Nagar for proper welding.
	Unit-1	25	06/12	06/12	03/13	05/13	
	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		Rs. 3632 lakhs				
	Exp. In the year 2013-14 (04/13)		Rs. 321 lakhs				
	Cumm. Exp. (up to 04/13)		Rs 16021 Lakhs				
	Financial Closure		Achieved on 30.09.09				
	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		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com. COD	
	UNDER CONSTRUCTION						
13	Akaltara(Nariyara) TPP, (Distt: Champa) M/s KSK Mahanadi Power Company Ltd.(Formerly Wardha Power Company Ltd)	3600					1. All clearances are available. 2. Zero date of the project is 21.04.09. 3. Mega status requested for the project. 4. The order for main plant civil & Structural work placed on M/s Simplex Infra Ltd, Punj Lloyd Ltd. on 19.12.09. 5. The order for most of the BOPs have already been placed and progressing as per schedule
	Unit-1	600	02/12	04/12	02/13	06/13 06/13	Unit-1 Boiler 1. Boiler erection started on 01.11.10. 2. Boiler Drum lifting completed on 29.04.11. 3. Boiler HT (Non-Drainable) completed on 06.07.12 4. Boiler Chemical cleaning completed and 96% insulation work completed. 5. BLU completed on 10.04.13. 6. SBO completed on 24.04.13 7. Oil synch. is expected in 05/13. 8. Coal Firing is expected in 05/13. 9. Full load is expected in 06/13.
	Unit-2	600	06/12	08/12	06/13	10/13 10/13	Unit-2 Boiler 1. Boiler erection started on 01.12.10 2. Boiler Drum lifting completed on 19.06.11. 3. Boiler HT (Non-Drainable completed on 11.05.13 4. BLU is expected in 08/13. 5. SBO completion is expected in 09/13. 6. Oil synch. is expected in 09/13. 7. Coal Firing is expected in 09/13. 8. Full load is expected in 10/13.
	Unit-3	600	10/12	12/12	02/14	06/14 06/14	TG 1. TG Deck casting completed on 05.10.11. 2. TG erection started on 16.04.12. 3. TG boxed up on 06.11.12. 4. TG oil flushing completed.
	Unit-4	600	02/13	04/13	04/14	08/14	Unit-2 Boiler 1. Boiler erection started on 01.12.10 2. Boiler Drum lifting completed on 19.06.11. 3. Boiler HT (Non-Drainable completed on 11.05.13 4. BLU is expected in 08/13. 5. SBO completion is expected in 09/13. 6. Oil synch. is expected in 09/13. 7. Coal Firing is expected in 09/13. 8. Full load is expected in 10/13.
	Unit-5	600	06/13	08/13	08/14	02/15	TG 1.TG Deck casting completed on 20.02.12. 2.TG erection started on 07.11.12 3.TG box up is expected in 07/13 4.TG oil flushing completion is expected in 07/13.
	Unit-6	600	10/13	12/13	01/15	07/15	Unit-3 Boiler 1. Boiler erection started on 01.04.11. 2. Boiler Drum lifted on 29.04.12 3. Boiler HT (Non-Drainable) is expected in 08/13 4. BLU is expected in 01/14. 5. SBO completion is expected in 01/14 6. Oil synch. is expected in 02/14. 7. Coal Firing is expected in 02/14. 8. Full load is expected in 03/14.
	Date of Approval by State Govt.	: N.A.					TG 1.TG Deck casting completed on 20.02.12. 2.TG erection started on 07.11.12 3.TG box up is expected in 07/13 4.TG oil flushing completion is expected in 07/13.
	Org.Est. cost	:Rs.1619000 Lakh					Unit-3 Boiler 1. Boiler erection started on 01.04.11. 2. Boiler Drum lifted on 29.04.12 3. Boiler HT (Non-Drainable) is expected in 08/13 4. BLU is expected in 01/14. 5. SBO completion is expected in 01/14 6. Oil synch. is expected in 02/14. 7. Coal Firing is expected in 02/14. 8. Full load is expected in 03/14.
	Exp. During 10-11	: Rs. 45529.8 Lakh					TG 1.TG Deck casting completed.
	Exp. During 11-12	: Rs. 821600 Lakh					Unit-4 Boiler
	Exp. During 12-13	: Rs. 222416 lakhs					1.TG Deck casting completed.
	Total Exp.(upto 03/13)	:Rs.1089546 Lakhs					2.TG erection start is expected in 05/13 3.TG box up is expected in 11/13. 4.TG oil flushing completion is expected in 12/13.
	Financial Closure	: Achieved on 30.03.10.					Unit-4 Boiler
	Type of fuel	:Coal					
	Fuel Linkage	:SECL (Tapering coal linkage to 3x600MW only)					
	Date of Main Plant Order (Boiler-Shanghai Boiler Works, China) (TG- Dongfang Electric Company,China)	BTG Contract awarded on 21.04.09					
	Zero date of the project	: 21.04.09					
	Power Evacuation System: Power is to be evacuated to PGCIL pooling station through 400kV transmission system. Final bulk power transmission agreement signed with PGCIL on 25.02.10.						

Land Possession : Complete land for the project is under possession
Water Allocation: Water Resources Department , Govt., of Chhattisgarh has allocated 100 MCM of water /year from Mahanadi River from proposed anicut at Basantpur.

MOE &F clearance: Received on 19.10.09

State Pollution Control Board: Chhattisgarh Environment Conservation Board (CECB) granted “ consent for Establishment” for 6x600 MW on 16.02.10.

State pollution Control Board Clearance: Chhattisgarh Environment Conservation Board (CECB) has granted ‘Consent for Establishment ‘ for 6x600 MW power plant of WPCL,CG on 16.02.10 and Consent for operation received from CECB for first unit on 28.02.13.

Civil Aviation Clearance: NOC received on 12.05.09.

Back Charging of 400 kV Switchyard completed on 27.08.12

Delay due to shortage of manpower and agitations by Villagers

U-4 Boiler drum yet to dispatch from China.

PPA: PPA signed with Gujarat Urja Vikas Nigam Ltd for 1010 MW on 03.06.10.

PPA signed with APCPDCL for 400 MW on 31.07.12.

PPA in line with implementation agreement entered into Govt of Chhattisgarh for 1350 MW.

PPA in line with Fuel supply agreement entered into with GIDC for 450 MW.

390 MW under case 1 tender guide-line to various state Distribution companies.

Delay is due to shortage of Manpower and agitations by Villagers.

1. Boiler erection started on 08.12.11
2. Boiler Drum lifting is expected in 06/13
3. **Boiler HT (Non-Drainable) is expected in 01/14.**
4. BLU is expected in 05/14
5. SBO completion is expected in 06/14.
6. Oil synch. is expected in 06/14
7. Coal Firing is expected in 06/14
8. Full load is expected in 07/14.

TG

1. TG Deck casting completed on 06.10.12.
2. TG erection start is expected in 08/13..
3. TG box up is expected in 05/14.
4. TG oil flushing completion is expected in 05/14.

Unit-5

Boiler

1. Boiler erection started on 06.02.12.
2. Boiler Drum lifting is expected in 10/13
3. **Boiler HT (Non-Drainable) is expected in 05/14.**
4. BLU is expected in 09/14.
5. SBO completion is expected in 10/14.
6. Oil synch. is expected in 10/14.
7. Coal Firing is expected in 10/14.
8. Full load is expected in 11/14.

TG

1. TG Deck casting completion is expected in 10/13.
2. TG erection start is expected in 12/13.
3. TG box up is expected in 07/14.
4. TG oil flushing completion is expected in 08/14.

Unit-6

Boiler

Boiler raft casting completed.

1. Boiler erection start expected in 05/13.
2. Boiler Drum lifting is expected in 02/14.
3. **Boiler HT (Non-Drainable) is expected in 09/14.**
4. BLU is expected in 01/15.
5. SBO completion is expected in 02/15.
6. Oil synch. is expected in 02/15.
7. Coal Firing is expected in 02/15.
8. Full load is expected in 03/15.

TG

1. TG raft casting completed and column casting is in progress. Deck casting completion is expected in 02/14.
2. TG erection start is expected in 04/14.
3. TG box up is expected in 11/14.
4. TG oil flushing completion is expected in 11/14.

Chimney: 1: Chimney shell casting 270 m completed. Flue cane erection completed.

Chimney-2: Shell casting 270 m completed. Flue can fabrication & platform erection is in progress. Chimney will be ready by 06/13.

Coal Linkage/ FSA	Letter of Assurance(LOA) for tapering coal linkage to 3x600 MW has been granted by SECL on 11.06.09. Submitted all documents in support of completion of milestones as per LOA and awaiting for FSA.
Critical Areas	Coal Linkage to remaining 3 units.

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-I. BHEL to replace by new balanced compressor rotor. 6. Blk-II GT erection progress was very slow due to poor support from BHEL-Hyderabad and less manpower of M/s Indwell. Poor quality of on base pipes has further delayed the erection work. 7. Work progress was 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 completed on 9.3.13. SBO started on 11.03.13 and completed on 14.03.13. 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 was on hold due to supply of damaged compressor rotor of GT-1. Replacement of damaged stator vanes has now started. GT-2 erection started on 01.12.11. GT-2 Lube oil flushing completed. GT-2 turning gear operation achieved on 01.03.13. Cranking of GT-2 done on 3.3.13. FSNL achieved on 06.03.13. GT-2 synchronization achieved on 13.03.13. 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. STG boxed up on 06.10.12. TG oil flushing completed. Steam dumping completed on 25.03.13.Turning gear operation achieved on 25.03.13. ST-II synchronization is achieved on 26.03.13. Combined cycle commissioning achieved on 27 03.13 (Base load of 338MW). 12. There is no provision of by pass stack hence GTs can not run in open cycle.
	Block-I	351	07/10	09/10	6/13	07/13	
	Block-II	351	10/10	11/10	03/13 (A)	03/13 (A)	
	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 12/12)	: Rs. 7729 Lakhs					
	Total Exp.(Upto 12/12)	: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				

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		
1.	Shree Singaji TPP -I (Malwa TPP) Mega Project (At Purni, Distt. Khandwa) MPPGCL	1200					Unit-1 - Boiler erection started in 09/10. - Drum lifted on 8.03.11. - HT(drainable) conducted on 25.4.12. - BLU done in 01/13. - EDTA completed in 05/13. - SBO completion expected in 06/13. - Condenser erection started in 02/12. - TG erection started in 3/12. - TG box up expected in 05/13. - TG oil flushing expected in 05/13. - TG on barring gear expected in 06/13. - Sync. Expected in 07/13. - Coal firing expected in 08/13. - Full load expected in 08/13. Unit-2 - Drum lifted in 09/11. - HT completed on 30.11.12. - BLU expected in 07/13. - SBO completion by 08/13. - Condenser erection started on 28.09.12. - TG erection started on 31.12.12. - TG Box up in 07/13. - Oil Flushing in 08/13. - Syn expected in 09/13. BOPs Chimney: Completed. NDCT 1&2: 1 almost completed and 2 internal work is in progress. CHP: Structure & equipment erection is in progress for TPs,Conveyer galleries,Crusher house,Control room,Wagontipper,Trackhopper,Stacker/Reclaimer.	
	Unit-1	600	<u>03/12</u> 06/12	06/12	<u>07/13</u> 08/13	08/13		
	Unit-2	600	<u>07/12</u> 10/12	10/12	<u>09/13</u> 10/13	11/13		
	State Govt. approval	: Accorded						
	Org Est. approved cost	: Rs.405300 lakhs						
	Latest Cost	: Rs.675000 lakhs						
	Exp. upto 03/07	: Rs 2416 lakhs						
	Exp. 2007-08	: Rs 1485 lakhs						
	Exp. 2008-09	: Rs 17078 lakhs						
	Exp. 2009-10	: Rs 51340 lakhs						
	Exp. 2010-11	: Rs.112887 lakhs						
	Exp. 2011-12	: Rs 177396 lakhs						
	Exp. 2012-13	: Rs 148239 lakhs						
	Exp. 2013-14 (04/13)	: Rs 15977 lakhs						
	Cumulative Exp (Till 04/13)	: Rs.525492 lakhs						
	Type of fuel	: COAL						
	Consultant	: M/s L&T-S&L.						
	BOP on EPC basis	: M/s L&T on 26.10.09.						
	PPA	: With MPPMCL						
	FSA	: Yet to be signed						
	Zero Date	: 12.12.08						
	Date of Main Plant Order	: Order placed on M/s BHEL for main power block with civil work on 12.12.08.						
	Critical Areas	Escrow cover for PFC. Delay in TG supplies/erection by BHEL. Poor supply of pressure parts for both units from BHEL-trichy. Slow pace of pressure parts erection in U-2. Slow pace of works for structural erection by M/s Indu. projects. Slow pace of work of AHP and FO system. Rail laying work from Surgaon to Bir railway station is slow. Man power shortage. For U-2 TG material supply and Generator stator supply from BHEL Hardwar need to be expedited.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. Comm	COD	Syn. Comm	COD	
STATE SECTOR							
2.	Satpura TPS Extn.(Sarni) (Dist. Betul) MPPGCL	500					Unit-10 - Boiler erection started on 08.04.10. - Drum lifted in 12/10. - Hyd test completed on 4.11.11. - BLU completed on 10.10.12. - SBO completed on 04.01.13. - TG deck casting completed on 30.4.11. - Condenser erection started in 7/11. - TG erection started in 12/11. - TG box up completed in 10/12. - TG oil flushing completed on 13.01.13. - TG on barring gear achieved on 30.01.13. - Synchronised on 22.02.13. - Coal bunkering started on 22.02.13. - Full load achieved on 22.03.13. Unit-11 - Boiler erection started on 1/ 07/10. - Drum lifted in 2/11. - Hyd test completed on 30.04.12. - BLU expected by 06/13. - Condenser erection started on 18.08.12. - TG erection started on 11/12. - TG box up expected in 06/13. - TG oil flushing in 08/13. - TG on barring gear in 08/13. - Syn. Expected in 09/13. - Full load expected in 09/13. BOPs NDCT: U-11- 65/72 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. 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. ST-10 bay of 400 KV switchyard commissioned and test charged on 16.08.12.
Unit-10	250	01/12 02/12	03/12	02/13(A) 03/13(A)	05/13		
Unit-11	250	03/12 04/12	05/12	09/13 09/13	10/13		
State Govt. approval	: Accorded on 29.06.06						
Org Est. approved cost	: Rs. 235000 Lakhs						
Latest Cost	: Rs.303234Lakhs(recently revised 3265 cr.)						
Up to 03/2007	: Rs. 16 Lakhs						
Exp.2007-08	: Rs. 15125 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	: Rs 79436Lakhs						
Exp. 2013-14(up to 04/13)	: Rs 8026 Lakhs						
Cumulative Exp	: Rs 253724 lakhs						
Till 04/13.							
Zero Date	:27.02.09						
Type of fuel	: COAL(Linkage awaited) By WCL for 1.85 mtpa.						
MOEF clearance	: 27.02.09 obtained.						
Project Consultant	: M/s Desein, Delhi						
Main plant civil work agency	: M/s Sunil Hitech.						
EPC for BOP	: M/s McNally Bharat.						
PPA	: With MPtradco on 04.01.11						
Evacuation System	: 400 kv Sarni-Ashtha Lines						
Fuel	: FSA signed on 02.01.13 with WCL for 1.8513 MTPA						
Date of Main Plant Order	: LOA placed on 31.03.08 on M/s BHEL (BTG)						
Critical Areas	Delay in CHP and AHP. Slow progress of erection in TG side.						

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.			
State Sector									
1.	Chandrapur TPS Expansion (Distt.Chandrapur) MSPGCL	1000					1. MOE&F clearance received in 01/09. 2. Zero date of the project is 09.02.09 (Zero date shifted due to late release of initial advance to M/s BHEL). 3. NIT issued for BOP packages on 7.11.08. 4. Order for all the BOPs on EPC basis placed on M/s BGR, Chennai on 12.06.09. Zero date for BOP package is 10.07.09. 5. In BOPs civil works are in progress.		
	Uni-8	500	04/12	06/12	03/14	03/14	Unit-8 Boiler 1. Boiler erection started on 01.06.10. 2. Boiler HT (Drainable) completed on 05.06.12. 3. BLU is expected in 07/13. 4. SBO completion is expected in 02/14. 5. Oil synch. is expected in 03/14. 6. Full load is expected in 03/14. TG 1. Condenser erection started in 03/12. 2. TG deck casting completed in 12/11. 3. TG erection started in 03/12. 4. TG box up is expected in 06/13. 5. TG oil flushing completion is expected in 10/13. 6. TG on BG is expected in 11/13. Unit-9 Boiler 1. Boiler erection started on 05.01.11. 2. Boiler HT (Drainable) completed on 29.10.12. 3. BLU is expected in 09/13. 4. EDTA is expected in 10/13. 5. SBO completion is expected in 06/14. 6. Oil synch.is expected in 07/14. 7. Coal firing is expected in 08/14. 8. Full load is expected in 09/14. TG 1. Condenser erection start is expected in 07/12. 2. TG deck columns completed. 3. TG erection start is expected in 06/13. 4. TG box up is expected in 04/14. 5. TG oil flushing completion is expected in 05/15. 6. TG on BG is expected in 06/13.		
	Uni-9	500	07/12	09/12	08/14	09/14			
	Date of TEC		: Not Required						
	Approval by State Govt.		: 05.03.08						
	Est.Proj. cost.		: Rs. 550000 Lakhs						
	Exp. During 08-09		: Rs 15870 Lakhs						
	Exp. During 09-10		: Rs 56258 Lakhs						
	Exp. During 10-11		: Rs 75822 Lakhs						
	Exp. During 11-12		: Rs 113662 Lakhs						
	Exp. During 12-13 (upto 02/13)		Rs: 40864 Lakhs						
	Total Exp. (Upto -02/13)		: Rs 402882 Lakhs						
	Type of fuel		:Coal						
	Fuel Linkage		: From Machhakata captive coal mines Orissa.						
	Financial closure								
	Date of Main Plant Order		: M/S BHEL on 25.07.08 (BTG + C&I, Electrical & Aux.Equip.)						
	Power Evacuation System: Existing 400kV/220 kV Chandrapur-II s/s along with switching station.								
	Critical Areas		Delay in finalization of BOP agency.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
8.	Nasik TPP , Ph-I (Distt: Nasik) M/s Indiabulls Realtech.(Formerly known as Sophia Power Co.Ltd.)	1350					1. All clearances are available. 2. Zero date of the project is 24.11.09. 3. Design & Engineering is in progress. 4. The order for all the BOPs have already placed and work in progress. Unit-1 Boiler 1. Boiler erection started on 03.11.10. 2. Boiler drum lifting completed on 31.03.11. 3. Boiler HT (D) completed on 28.03.12. 4. BLU completed on 22.10.12. 5. SBO completion achieved on 15.04.13. 6. Unit is under normalization. 7. Oil synch. is expected in 04/13. 8. Coal synch. is expected in 04/13.. 9. Full load is expected in 05/13. TG 1. TG civil works started on 01.06.10. 2. TG erection started on 25.09.11. 3. TG Box Up completed on 30.01.13. 4. TG oil flushing (C) is expected on 25.03.13. 5. TG on BG is expected on 15.03.13. Unit-2 Boiler 1. Boiler erection started on 08.12.10. 2. Boiler drum lifting completed on 27.07.11. 3. Boiler HT (D) completed on 03.07.12. 4. BLU is expected in 03/13. 5. SBO completion is expected in 05/13. 6. Oil synch. is expected in 06/13. 7. Coal synch. is expected in 07/13 8. Full load is expected in 08/13. TG 1. TG erection started on 25.12.11. 2. TG Box Up is expected in 03/13. 3. TG oil flushing (C) is expected in 04/13. 4. TG on BG is expected in 05/13. Unit-3 Boiler 1. Boiler erection started on 12.01.11. 2. Boiler drum lifting completed on 12.12.11. 3. Boiler HT (D) is expected in 12/13. 4. BLU is expected in 05/14. 5. SBO completion is expected in 07/14. 6. Oil synch. is expected in 09/14. 7. Coal synch. is expected in 10/14 8. Full load is expected in 11/14. TG 1. TG erection started on 04.01.12. 2. TG Box Up is expected in 05/14. 3. TG oil flushing (C) is expected in 06/14. 4. TG on BG is expected in 07/14.
	Unit-1	270	12/11	02/12	04/13	05/13	
	Unit-2	270	02/12	04/12	02/13	08/13	
	Unit-3	270	04/12	06/12	04/13	11/14	
	Unit-4	270	06/12	08/12	06/13	01/15	
	Unit-5	270	08/12	10/12	08/13	03/15	
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.678900 lakhs					
	Exp. upto 03/10	: Rs.36805 Lakhs					
	Exp. During 10-11	: Rs. 100000Lakhs					
	Exp. During 11-12	:Rs. 141144 Lakhs					
	Exp. During 12-13 (upto 12/12)	:Rs. 93251 Lakhs					
	Total Exp.(Upto 12/12)	:Rs. 371200 Lakhs					
	Financial Closure	: Achieved on 30.06.10					
	Type of fuel	:Coal					
	FSA	:With MCL, SECL & WCL on 11.06.09.					
Fuel Linkage	: From SLC (LT) on 17.12.08.						
Date of Main Plant Order	: BTG on EPC basis awarded to BHEL on 24.11.09.						
Zero date of the project	: 24.11.09						
	Unit-4 Boiler						

Power Evacuation System: Through 400kV D/C quad Moose transmission line upto MSETCL sub-station at Bhabaleshwar.		1. Boiler erection started on 16.05.11. 2. Boiler drum lifting completed on 23.12.11. 3. Boiler HT (D) expected in 03/14. 4. BLU is expected in 07/14. 5. SBO completion is expected in 09/14. 6. Oil synch. is expected in 12/14. 7. Coal synch. is expected in 12/14 8. Full load is expected in 01/15. TG 1. TG erection started in 07/12. 2. TG Box Up is expected in 07/14. 3. TG oil flushing (C) is expected in 08/14. 4. TG on BG is expected in 10/14. Unit-5 Boiler 1. Boiler erection started on 16.06.11. 2. Boiler drum lifting completed on 06.03.12. 3. Boiler HT (D) expected in 04/14. 4. BLU is expected in 09/14. 5. SBO completion is expected in 11/14. 6. Oil synch. is expected in 01/15. 7. Coal synch. is expected in 02/15 8. Full load is expected in 03/15. TG 1. TG erection started in 09/12. 2. TG Box Up is expected in 09/14. 3. TG oil flushing (C) is expected in 10/14. 4. TG on BG is expected in 11/14.
Critical Areas	Railway siding for coal transportation	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
10.	Dhariwal TPP, (Distt: Chandrapur) M/s Dhariwal Infrastructure Private Ltd.	600					1. All clearances are available. 2. Design & Engineering completed. 3. Order for BOPs on EPC basis have been placed M/s Punjab Lloyd on 03.08.10. In all the BOPs work is in progress. Unit-1 Boiler 1. Boiler erection started on 31.03.11. 2. Boiler drum lifting completed on 18.10.11. 3. HT (D) completed on 30.06.12. 4. HT (ND) completed on 06.01.13. 5. BLU achieved on 13.02.13. 6. EDTA completed on 09.03.13. 7. SBO completed on 02.04.13. 8. Oil synch. is expected in 05/13. 9. Coal firing is expected in 05/13. 10. Full load is expected in 06/13. TG 1. Condenser erection started on 10.02.12. 2. TG erection started on 20.02.12. 3. TG Box completed on 15.01.13. 4. TG oil flushing completed on 01.03.13. 5. TG put on BG on 23.03.13. Unit-2 Boiler 1. Boiler erection started on 12.06.11. 2. Boiler drum lifting completed on 05.03.12. 3. Boiler HT (D) completed on 28.02.13. 4. BLU expected in 07/13. 5. SBO completion is expected in 08/13. 6. Oil synch. is expected in 09/13. 7. Coal firing is expected in 10/13. 8. Full load is expected in 10/13. TG 1. Condenser erection started 10.07.12. 2. TG erection started on 10.07.12. 3. TG oil flushing completion is expected in 06/13. 4. TG Box is expected in 07/13. 5. TG on BG is expected in 07/13.
	Unit-1	300	02/12	02/12	05/13	06/13	
	Unit-2	300	05/12	05/12	09/13	10/13	
	Org.Est. cost		Rs.285000 lakhs				
	Latest Est. Cost		Rs.285000 lakhs				
	Exp. During 10-11		: Rs 40800 lakh				
	Exp. During 11-12		: Rs 118600 lakh				
	Exp. During 12-13 (Upto 12/12)		: Rs 55000 lakh				
	Total Expenditure(Upto 12/12)		:Rs.214400 lakhs				
	Financial Closure		Achieved in 09/09				
	Type of fuel		:Coal				
	FSA		: Available				
	Fuel Linkage		: SECL				
	Date of Main Plant Order (Boiler &TG from SEC, China)		: BTG Contract awarded to Shanghai Electric Corporation China on 28.04.10.				
	Power Evacuation System: 50% with Chandrapur substation of MSETCL and 50% through 400KV Bhadrawati Parli circuit of CTU by LILO.						
	Critical Areas	400 KVTransmission line is ready but due to non-readiness of Chandrapur –II MSETCL substation, arrangement for start up power being made at 220 KV level. However, for power evacuation Chandrapur II Substation should be ready.					

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	300	09/11	11/11	12/12(A)	02/13(A)	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.
	Unit-2	300	12/11	02/12	05/13	06/13	8. Oil Synch. achieved on 10.12.12. 9. Coal bunkering started on 15.1.13. 10. Coal synch. achieved on 25.01.13.
	Org.Est. cost		: Rs.348000 lakhs				11. Full load achieved on 07.02.13.
	Latest Est.Cost		: Rs.348000 lakhs				12. COD achieved on 19.03.13.
	Exp. upto 03/10		: Rs.30300 lakhs				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.
	Exp. During 10-11		: Rs.50600 Lakh				Unit-2 Boiler 1. Boiler erection started in 02/11. 2. Drum lifting completed in 08/11. 3. Boiler HT (D) completed on 24.07.12. 4. EDTA completed on 28.03.13. 5. BLU and gun trial completed on 03.04.13. 6. Full fledged BLU is now expected on 15.05.13. 7. All Mills are under erection and expected to be completed by 30.06.13. 8. SBO completion is expected by end of 05/13. 9. Oil synch. is expected on 15.06.13. 10. Coal synch. is expected on 30.06.13. 11.AHP readiness is expected by 30.07.13. 12.Full load is expected by 31.07.13. 13.COD is planned for 31.07.13.
	Exp. During 11-12		: Rs.191700 Lakh				TG 1. Condenser erection started on 19.03.12. 2. TG erection started on 21.02.12. 3. TG boxed up on 27.02.13. 4. TG oil flushing is in progress. 5. TG on BG is expected on 15.05.13..
	Exp. During 12-13 (Upto 12/12)		: Rs.35500 Lakh				
	Total Exp.(upto 12/12)		: 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.					

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	06/13	09/13	Unit-2 Boiler 1. Boiler erection started on 06.12.10. 2. Boiler HT completed on 25. 09.12. 3. BLU is expected in 07/13. 4. SBO completion is expected in 07/13. 5. Coal synchronization is expected in 07/13. 6. Full load is expected in 08/13.
	Unit-3	660	08/12	10/12	08/13	11/13	TG 1. Condenser erection started on 05.04.12. 2. TG erection started on 02.02.12. 3. TG box up is expected in 06/13. 4. TG oil flushing completion is expected in 06/13. 5. TG on BG is expected in 07/13.
	Date of Letter of support from State Govt.	: 17.02.10					Unit-3 Boiler 1. Boiler erection started on 04.01.11. 2. Boiler HT expected in 05/13. 3. BLU is expected in 09/13. 4. SBO completion is expected in 10/13. 5. Coal synch. is expected in 10/13. 6. Full load is expected in 11/13.
	Org.Est. cost	: Rs.629000 Lakh					TG 1. Condenser erection start is expected in 08/12. 2. TG deck completed in 07/12. 3. TG erection started on 21. 09.12. 4. TG box up is expected in 07/13. 5. TG oil flushing completion is expected in 08/13. 6. TG on BG is expected in 09/13.
	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 12/12)	:Rs. Incl in U-1					
	Total Exp. Upto 12/12	: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.					

SOUTHERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN ANDHRA PRADESH

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / Now expected			
			Syn Com	COD	Syn Com	COD		
3.	Vizag TPP (HNPC Ltd) Distt. Vishakhapatnam Unit-1	1040					• Land: 1122.38+300 acres of land acquired is in possession. • MOEF: clearance obtained on 03-09-1996 and revalidated later on 04-03-2009. • Water: obtained allocation form APIICL for 7 cusec of sweet water and permission from IID to draw 1.8 lacs m³/hr of sea water for once through cooling system. • SPCB: clearance obtained from APPCB. • Civil Aviation: NOC obtained from AAI. • Chimney: shell constructed. Erection of flue can support structure and fabrication of flue can in progress. Flue cans insulation work not started. • CT: Not applicable due to once through cooling system. • CHP: RCC works in progress in track hopper and wagon tippler areas. SRC-1 mechanical assembly completed and that for SRC-2 in progress. . • AHP: Piling completed in FAE (Buffer Hopper) -1 & 2 and silo 1&2 areas. Ash slurry pedestal civil works, structural fabrication work for AHP in progress. BOH civil work completed and hopper erected. • PT Plant: De-salination bldg work in progress. Clarified water pumps to be erected. • DM Plant: Drain & cable trench civil works completed. Placement of equipment is in progress. • CW System: CW pipe erection near condenser is in progress. • FO System: Erection of HFO and LDO tanks, pumps completed. Pipe erection of pipe up to boiler is in progress. • FPS: Brick work & plastering in progress. Inert gas piping is in progress. • Switchyard: Gantry work completed. Erection of insulator and conductor in progress. Erection of LA's, ACDB, DCDB, 220V & 48V Battery charger in progress.	
	Unit-2	520	05/13	06/13	08/13	09/13		
		520	06/13	09/13	09/13	12/13		
			08/13		10/13			
			09/13		12/13			
	Org. Est. Cost	:Rs 554500.00 Lakh						
	Latest Est. Cost	:Rs 554500.00 Lakh						
	Expenditure upto 03/07	:Rs. 1494.00 Lakh						
	Expend during 07-08	:Rs. 154.65 Lakh						
	Expend during 08-09	:Rs. 4682.35 Lakh						
	Expend during 09-10	:Rs. 21672.00 Lakh						
	Expend during 10-11	:Rs. 49765.00 Lakh						
	Expend during 11-12	:Rs. 106611.00 Lakh						
	Expend during 12-13	:Rs. 171872.00 Lakh						
	Expend during 13-14 (up to 04/13)	:Rs. 17615.00 Lakh						
	Total Expenditure	: Rs. 3738.66 Crores						
	Zero date Financial closure	:30.06.2010 :Achieved on 29 th June'10 with a consortium of 14 Banks led by SBI (75:5 :: Debt: Equity)						
	Coal Linkage	: LOA issued by MCL for supply of 100% coal normative quantity to HNPCL for 2x520 MW TPP.						
	Date of Main Plant Order:	EPC contract placed on BHEL on 30.03.10						
	PPA	: PPA signed with PTC on 23-06-10 for selling of 60% net generated power						
	Transmission System	: Applied to PGCIL on 30-07-10 PGCIL to develop ATS. LTOA application submitted to APTRANSCO on 21-10-2011.						
Unit-1								
• Boiler: erection started on 30-05-11. Erection of feeders, are in progress. All bunker shells erected. Ducting between Chimney and boiler erected. ID-1A/B, PA-1Aand FD-1A fans erected. PA-1B and FD-1B fan foundation in progress. Ducting between boiler & ESP to be taken up. • Drum: lifted on 10-01-12. HT conducted on 28-12-12. • ESP: Collecting electrodes for A & B passes completed. Hoppers erected and ash pipe fitting work in progress. Buffer hoppers are to be erected. • TG: Condenser erection started on 03-03-12 that of TG on 25-07-12. HPT & IPT boxed up. CEP and MDBFP erected and TDBFP foundation in progress. Alignment of LP T & generator and condenser tube insertion and are in progress.								
Unit-2								
• Boiler: erection started on 29-09-11. Pressure parts, heater header alignment & coil fit up works are in progress. Erection of duct support structure between ESP and chimney. RHS mill bunker foundation civil work in progress. Bunker shell fabrication and erection in progress. • Drum: lifted on 18-04-12. HT conducted on 28-03-12 • ESP: All hoppers erected. Erection of huck bolt for electrodes completed Erection of transformers in progress Air leak test for pass 'A' completed. • TG: Condenser erection started on 23-11-12 and that of TG on 15-12-12. HP and outer lower casing of IP positioned. Blue matching of plates in progress for LPT. TDBFP								
Critical Areas	• CHP, Inlet and outfall water system, DM plant and availability of start up power are very critical.							

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / Anticipated		
			Syn. Com	COD	Syn. Com	COD	
2.	Thamminapatham 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 are 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. • HT: conducted on 18-06-11. • Boiler lighted up on 01-08-12. • Box up: completed on 20-03-12. • ESP: Ready and Commissioned. • Condenser: erection started on 20-05-11. Condenser erection and leak test completed. CEP erected and is under operation. • TG: erection started on 05-08-11. Bldg structural work, lube oil flushing is in progress. All BFPs erected. Generator cooling pipe erection completed. TG put on baring gear on 05-03-13 and steam dumping started on 06-03-13. Unit synchronized on 11-03-13. Full Load achieved on 17-04-13. Commercial operation declared on 30-04-2013.
Unit-1	150	08/11 09/11	10/11	06/12 A 09/12 A	10/12 (A)		
Unit-2	150	10/11 11/11	12/11	03/13 A 04/13 A	04/13 (A)		
Original Estd. Cost Latest Estd. Cost	: Rs 142000 lakh : Rs 142800 lakh						
Expnd during 2008-09	: Rs. 4660.72 Lakh						
Expnd during 2009-10	: Rs. 32576.64 Lakh						
Expnd during 2010-11	: Rs. 50207.64 Lakh						
Expnd during 2011-12	: Rs. 39852.70 Lakh						
Expnd during 2012-13	: Rs. 16566.00 Lakh						
Expnd during 2013-14 (up to Mar 2013)	: Rs 1398.63						
Total Expenditure	Rs. 1453.26 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 (Harbin)						
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. 2. U-2: Oil flushing is seeded critical as some material is seen. Although NAS value has been obtained as ‘5’. 3. Foreign particles are observed in oil. Bearing-1 is being opened. Expected to be completed during February, 2013.						

BROAD STATUS OF THERMAL POWER PROJECTS IN TAMIL NADU
STATE SECTOR

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As Expected		
			Synch Comm	COD	Syn. Comm	COD	
	North Chennai TPS St-II TNEB (Distt. Thiruvallur) U-1	1200 600	<u>02/11</u> 04/11	05/11	<u>05/13</u> <u>06/13</u>	07/13	- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 19.01.08 CPCB & MOE&F Clearances obtained on 26.12.06 on 27.11.12 respectively. Chimney: Completed in all respect on 01/12 Civil Aviation: clearance obtained on 09.10.06 CHP: (Tecpro system ltd). Erection of additional conveyor system to cater the additional coal requirement for NCTPP, Stage-II is in progress and work is expected to be completed before commissioning of unit-I. CW System: Hot water channel works completed. Fore bay was charged. In unit-2, erections of 5 Nos. CW pumps were completed and remaining one pump erection is in progress. In Unit-I, 2 Nos. CW pumps were erected and erection of remaining pumps are in progress. Discharge butterfly valves for all the 6 pumps were erected. Some pending materials are to be supplied by BHEL for unit-1 pumps. Erection of Cooling water cross over pipe is in progress. RO/DM plant: Order placed on 10.12.10 to Paramount. Entire erection work has been completed and DM water generation started on 15.10.12. PTP: is not required. CMWS&SB supplies treated water. FO System: LDO/HFO pumps erected. Engineering for interconnection of existing Stage-I HFO tanks to stage-II completed. LDO tank and HFO tank-I have been connected with stage-II pumps. Switchyard: 220 kV GIS tested and charged on 3-03-12. Unit-2 400KV GIS were charged on 5.12.2012. GT back charged on 9.12.12. Erections in unit 1 400KV GIS are under progress. M/s. BHEL/ TBG has yet supply the pending conductors. Boiler (M/s EDAC): Erection commenced on 20.06.2009. Boiler drum lifted on 12.04.10. HT done on 16-11-2012 & BLU done on 28.11.12 Erection of pressure parts completed. Misc. works like floor grill erection work & insulation are in progress. Erection of B stream Fans was completed & A stream fans is in progress. Right side Mills was erected & Left side mills are in progress ESP: erection commenced on 5.6.'09, 7656/7940 MT material erected up to 04/13 & Air leak test in C, B & D passes were completed. In A pass hopper alignment and in D pass hand rail erection are in progress. TG & Condenser: Hydro test (cooling water side) was completed in both condensers. Outlet RE joint erection is in progress in condenser-A. All turbines were erected. Erections of Turbine Auxiliaries are in progress. MDBFP motor trial and final alignment over. TDBFP lub oil line and gland leak pipe line erection is in progress. MOT oil flushing completed. JOPs trial run completed. In Generator- hot air blowing is in progress to improve IR value. Oil flushing in pedestals no. 5,6 &7 are in progress.TG Box-up expected in 05/2013.
Date of Sanction		: 12.12.2005					
Sanctioning Authority		: Govt. of Tamil Nadu					
Org. Est. cost		: Rs.339800 Lakh					
Latest cost		: Rs.309529 Lakh					
Revised Estimated Cost		: Rs.355200 Lakh					
Expd. during 2010-11		: Rs 141200 Lakh					
Expd. during 2011-12		: Rs - Lakh					
Expd. During 2012-13		: Rs - 202200 Lakh					
Total Expenditure (up to 04/ 2013)		: Rs - 2034.17 Crores					
Type of fuel		: COAL(Mahanadi coal fields)					
Date of Main Plant Order		: 18-02-2008 (EPC) on M/s BHEL					
Zero Date		: 18-02-2008					
FUEL LINKAGE : (2x600MW) 2.31 MTPA coal linkage from Mahanadi Coal fields was approved vide LOA dt 23.03.2007 for 500MW. LOA for balance 700MW i.e. 3.77 MTPA is yet to be received. Evacuation of power SRPC approved following 400KV feeders on 06.03.2009. i) NCTPS St-II – Alamathi 400KV D/C line (37 Kms) ii) NCTPS St-II – Sunguvachatram 400KV D/C line (70 Kms) D/C link between Vallur TPS and NCTPS available. TNEB is in process of evolving estimate for these lines. * Funding arrangement has been signed among REC, BHEL and TNEB. Procedural formalities were finalized during 2010-11. Expenditures are being booked thereafter.							
Critical Areas		1. Delay in supply of Turbine Modules by BHEL Delay in Supply of GT, LDO & HFO skids.					
		2. Erection of CW system by BHEL 3. Readiness of CHP & wet ash disposal system.					

EASTERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN ODISHA

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
1.	Derang TPP M/s Jindal India Thermal Power Ltd. (Distt-Angul)	1200					a) Main plant package awarded to BHEL on 26.07.09. b) CHP: Awarded to M/s Techpro. c) AHP: Awarded to M/s Mecawber Beekay. d) Cooling Towers: Awarded to M/s PCT. e) Chimney: Awarded to M/s Gammon India ltd.
	U-1	600	01/12 03/12		10/13 11/13		Unit-1 a) Boiler erection started on 10.12.10. Boiler drum lifted on 05.08.11. Boiler Hydro test completed in 11/12. BLU expected in 6/13. b) TG erection is started on 25.02.12. TG box up is expected in Jul’13. Unit-2 a) Boiler drum lifted on 27.12.11. Boiler hydro test conducted on 14.02.13. BLU expected in 9/13. b) TG Deck casting completed. Condenser erection started on 15.10.12 and TG erection started on 31.10.12
	U-2	600	04/12 06/12		02/14 03/14		
	Date of Sanction / Investment Decision		FC for U-1&2 achieved on 8-10-2008 & 22-12-2009 respectively				
	Sanctioning Authority						
	Est.approved cost		₹. 596100 Lakhs				
	Expenditure during 2008-09		₹. 11974.41 Lakhs				
	Expenditure during 2009-10		₹.20861.15 Lakhs				
	Expenditure during 2010-11		₹. 80000 Lakhs				
	Expenditure during 2011-12		₹. 120000 Lakhs (upto 12/2011)				
	Type of fuel		Coal				
	Fuel Linkage		MCL for 600MW				
	Order main plant		BHEL, 26.07.09				
	Power Evacuation system		Bulk Power Transmission Agreement (BTPA) with PGCIL on 13.05.10				
	Critical Areas						

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.	Kamalanga TPP M/s GMR Kamalanga Energy Ltd. (Distt-Dhenkanal)	1050					a) Main Plant package (BTG), Boiler ordered on M/s Harbin Boiler Co. Ltd., China on 2.06.09, Turbine ordered on M/s Dong Fang Turbine Co. on 18.6.09 and Generator ordered on M/s Dong Fang Electric Machinery Co. Ltd., on 2.7.09.
	U-1	350	09/11 11/11		1/13(A) 3/13(A)		b) MOE&F clearance obtained on 05.02.2008.
	U-2	350	11/11 12/11		08/13 09/13		c) <u>Chimney</u> : Order placed on M/s Jiangsu Xinggang, China. Chimney completed.
	U-3	350	01/12 02/12		11/13 12/13		d) <u>CHP</u> : awarded on M/s Gannon Drunkerly & Co., Ltd. (Civil Construction). Construction works for track hopper, Wagon Tippler, Transfer towers, conveyor gallery and stacker reclaimers are in progress.
	Date of Sanction / Investment Decision	FC achieved on 27.05.2009					
	Sanctioning Authority						
	Est. approved cost	₹. 454000 Lakhs					
	Expenditure during 2008-09	₹. 18741 Lakhs					
	Expenditure during 2009-10	₹. 65144 Lakhs					
	Expenditure during 2010-11	₹. 74688 Lakhs					
	Expenditure during 2011-12	₹. 287848 Lakhs					
	Expenditure during 2012-13	₹. 138379 Lakhs (upto 3/2013)					
	Type of fuel	Coal					
	Fuel Linkage						
	Order main plant	Boiler: Herbin China, TG: Dong Fang, China.					
	Power Evacuation system						
	Critical Areas						
		e) <u>AHP</u> : Fly ash handling system awarded on M/s Shanghai Sinofin New Energy Co. Ltd., on 20.2.10.					
		f) <u>Cooling Tower</u> : Awarded on M/s Jiangsu Seagull cooling towers Co. Ltd., on 17.10.09.					
		Unit-I: Unit synchronized on 28/1/13 and commissioned on 20.3.13.					
		Unit-II: Boiler drum lifted on 4/11. Pressure part erection is in progress. Hydro test completed in 1/13 and BLU is expected in 5/13. TG boxed up, OF is completed in 1/13. TG put on barring gear.					
		Unit-III: Boiler drum lifted on 29.7.11. Pressure part erection work is in progress. Hydro test is expected in 04/13. LPT erection completed, box up is in progress.					