



भारत सरकार
विद्युत मंत्रालय

GOVERNMENT OF INDIA
MINISTRY OF POWER

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

December - 2013



ताप विद्युत परियोजना प्रबोधन प्रभाग
केन्द्रीय विद्युत प्राधिकरण
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**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.

Place: New Delhi
Dated: 31st December, 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	Kahalgaoon 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	Santaldih TPP Extn Ph-II	WBPDCCL	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	Slipped
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	Slipped
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	Slipped
Chhattisgarh	Kasaipalli TPP	M/s ACB (India)	U-2	Nov-08	Chinese	135	135	06/12	21.06.12(A)
	Salora TPP	M/s Vandna Vidyut	U-1	Nov-08	Chinese	135		12/12	Slipped
	Swastik Korba TPS	ACB	U-1		Others	25		06/12	Slipped
	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	Slipped
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	Slipped
	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		

Thermal Units Programmed for Commissioning During 2013-14							As on 13.01.2014			
State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Comm. Cap. (MW)	Actual Comm. Date	At the beginning of the year	As now anticipated
CENTRAL SECTOR										
Bihar	Barh STPP St-II	NTPC	4	03/08& 10/08	BHEL	660	660	30/11/2013	12/13	Actual
TN	Vallur TPP Ph-I	NTPC/ NTECL/ TNEB-JV	3	07/09	BHEL	500			03/14	03/14
TN	Tuticorin TPP	NLC/ TNEB-JV	1	01/09	BHEL	500			03/14	03/14
Tripura	Tripura CCGT	ONGC JV	Blk-2	06/08	BHEL	363.3			09/13	03/14
UP	Rihand STPP St-III	NTPC	6	02/09	BHEL	500	500	7/10/2013	12/13	Actual
WB	Raghunathpur TPP Ph-I	DVC	1	12/07	SEC,CHINA	600			03/14	03/14
			Total Central Sector			3123.3	1160			
STATE SECTOR										
Chhattisgarh	Marwa TPP	CSEB	1	04/08	BHEL	500			09/13	01/14
Delhi	Pragati St-III CCGT	PPCL	GT-4	05/08	BHEL	250	250	7/5/2013	06/13	Actual
Delhi	Pragati St-III CCGT	PPCL	ST-2	05/08	BHEL	250			09/13	01/14
Gujarat	Pipavav JV CCGT	GSECL	Blk-1	12/07	BHEL	351			09/13	12/13
MP	Shree Singaji TPP (Malwa)	MPPGCL	1	12/08	BHEL	600	600	18/11/2013	06/13	Actual
MP	Satpura TPS Extn.	MPPGCL	11	03/08	BHEL	250	250	25/12/2013	10/13	Actual
Maharashtra	Chandrapur TPS Extn.	MAHA-GENCO	8	07/08	BHEL	500			12/13	03/14
Rajasthan	Kalisindh TPP	RRVUNL	1	07/08	SEPCO, CHINA	600			12/13	12/13
Rajasthan	Chhabra TPS Extn.	RRVUNL	3	08/08	BHEL	250	250	14/09/13	06/13	Actual
Rajasthan	Chhabra TPS Extn.	RRVUNL	4	08/08	BHEL	250			01/14	03/14
Rajasthan	Ramgarh CCPP	RRVUNL	ST	08/09	BHEL	50			12/13	01/14
TN	North Chennai TPS Extn.	TNEB	1	08/08	BHEL	600	600	13/09/13	09/13	Actual
			Total -State Sector			4451	1950			
PRIVATE SECTOR										
AP	Vizag TPP	Hinduja	1	03/10	BHEL	520			03/14	03/14
AP	Thammina-patnam TPPPh-I	Meenakshi Energy Ltd.	2	08/09	Chinese	150	150	17/04/13	09/13	Actual
Chhattisgarh	Tamnar TPP	Jindal Power	1	12/08	BHEL	600			03/14	12/13
Chhattisgarh	Vandana Vidyut (Kathgora) TPP	Vandana Vidyut TPP	1	05/08	BOILER: CETHAR VESSELS LTD TG: CNAIC, CHINA	135			06/13	12/13
Chhattisgarh	DB Power TPP(Barabhara)	DB Power Ltd	1	05/10	BHEL	600			12/13	12/13
Chhattisgarh	Swastik Korba TPP	ACB	1	02/10	BOILER: IJT; TURBINE: SIEMENS	25			12/13	03/14
Chhattisgarh	Akaltara TPP	KSK Mahanadi	1	04/09	BOILER: SHANGHAI TG: DONGFANG, CHINA	600	600	13/08/13	09/13	Actual
MP	Sasan UMPP	Reliance Power	3	06/08	SEC, CHINA	660	660	30/05/13	05/13	Actual
MP	Sasan UMPP	Reliance Power	2	06/08	SEC, CHINA	660	660	18/12/13	09/13	Actual
Maharashtra	Nasik TPP Ph-I	India Bulls	1	11/09	BHEL	270			09/13	12/13
Maharashtra	Dhariwal Infrastructure TPP	Dhariwal Infra-structure (P) Ltd.	1	04/10	SEC, CHINA	300	300	3/11/2013	06/13	Actual
Maharashtra	Dhariwal Infrastructure TPP	Dhariwal Infra-structure (P) Ltd.	2	04/10	SEC, CHINA	300			12/13	1/14
Maharashtra	EMCO Warora TPP	GMR EMCO Energy Ltd.	2	09/09	SEC, CHINA	300	300	27/08/13	06/13	Actual
Maharashtra	Tirora TPP Ph-II	Adani Power	1	02/08	SCMEC, CHINA	660	660	10/6/2013	06/13	Actual
Orissa	Derang TPP	Jindal India Thermal Power	1	07/09	BHEL	600			12/13	03/14
Orissa	Kamalanga TPP	GMR Energy	2	08/08	SEPCO III, CHNA	350	350	28/9/13	09/13	Actual
Punjab	Goindwal Sahib TPP	GVK Industries	1	02/09	BHEL	270			06/13	01/14
Punjab	Talwandi Sabo TPP	Sterlite	1	07/09	SEPCO I, CHINA	660			01/14	03/14
			Total -Private Sector			7660	3680			
			Total for the year 2013-14			15234.3	6790			

Additional Capacity Commissioned										
Rajasthan	Kawai TPP	Adani Power Rajasthan Ltd.	1	04/10	Chinese		660	28/05/13	Addl. Capacity	Addl. Capacity
Tripura	Rokhia GT	Tripura State Electricity Corporation Ltd.	9		BHEL		21	31/08/13	Addl. Capacity	Addl. Capacity
MP	Niwari TPP	BLA Power Pvt.Ltd					45	10/12/2013	Addl. Capacity	Addl. Capacity
Rajasthan	Kawai TPP	Adani Power Rajasthan Ltd.	2	04/10	Chinese		660	24/12/13	Addl. Capacity	Addl. Capacity
TN	Tuticorin Indbarath TPP	Indbarath Ltd	2		Chinese		150	30/12/13	Addl. Capacity	Addl. Capacity
		Total Addl.Capacity					1536			
		Grand Total for the Year 2013-14					8326			

	BHEL	Chinese	others	Total
Target	9234.3	5975	25	15234.3
Achievement	3110	3680	0	6790
Addl.Achievement	21	1515	0	1536
Total Achievement	3131.0	5195	0	8326

THERMAL POWER PROJECT UNDER CONSTRUCTION IN THE COUNTRY

AS ON 15-Jan-2014

<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>
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	660	30-11-13
				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	---	
Chhattisgar	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	61.3	---	
				ST	39.7	---	
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	500	07-10-13
WB	Raghunathpur TPP, Ph-I	DVC	CHINESE	U-1	600	---	
				U-2	600	---	
Sub Total :					14877.6	6183.3	
<u>STATE SECTOR</u>							
AP	Damodaram Sanjeevaiah TPS	APPDL	NON-	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	---	
Chhattisgar	Korba West St-III.	CSPGCL	BHEL	U-5	500	500	22-03-13
Chhattisgar	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	07-05-13
				ST-2	250	---	
Gujarat	Pipavav CCGP	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-	U-8	660	---	
Maharashtra	Parli TPS Expn.	MSPGCL	BHEL	U-8	250	---	
MP	Malwa TPP (Shree Singa ji TPP)	MPGENCO	BHEL	U-1	600	600	18-11-13
				U-2	600	---	
MP	Satpura TPS Extn	MPPGCL	BHEL	U-10	250	250	22-03-13
				U-11	250	250	25-12-13
Rajasthan	Chhabra TPS Extn.	RRVUNL	BHEL	U-3	250	250	14-09-13
				U-4	250	---	
Rajasthan	Kalisindh TPP	RRVUNL	CHINESE	U-1	600	---	
Rajasthan	Ramgarh CCGP Extn. -	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	600	13-09-13
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	5861	
<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	---	
Chhattisgar	Akaltara (Naiyara) TPP	Wardha PCL (KSK)	CHINESE	U-1	600	600	13-08-13
				U-3	600	---	
				U-4	600	---	
Chhattisgar	Avantha Bhandar TPP, U-1	Korba West Power Co. Ltd.	BHEL	U-1	600	---	
Chhattisgar	Balco TPP	Bharat Aluminium Co. Ltd	CHINESE	U-1	300	---	
				U-2	300	---	
Chhattisgar	Bandakhar TPP	M/s Maurti Clean Coal & Power Ltd	CHINESE	U-1	300	---	
Chhattisgar	Baradarha TPP	D.B. Power Ltd	BHEL	U-1	600	---	
				U-2	600	---	
Chhattisgar	Binjkote TPP	M/s SKS Power Generation (Chhattisgarh) Ltd.	CHINESE	U-1	300	---	
				U-2	300	---	
				U-3	300	---	
Chhattisgar	Kasaipalli TPP	ACB India Ltd.	CHINESE	U-2	135	135	21-06-12
Chhattisgar	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.	CHINESE	U-3	660	---	
				U-4	660	---	
Chhattisgar	Ratija TPP	Spectrum Coal & Power Ltd	CHINESE	U-1	50	50	04-02-13
Chhattisgar	Salora TPP	M/s Vandana Vidyut	CHINESE	U-1	135	---	
				U-2	135	---	
Chhattisgar	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	CHINESE	U-1	600	---	
Chhattisgar	Swastic TPP	M/s ACB	NON-	U-1	25	---	
Chhattisgar	Tamnar TPP (Raigarh)	O.P.Jindal	BHEL	U-1	600	---	
				U-2	600	---	
Chhattisgar	TRN Energy TPP	M/s TRN Energy Pvt.	CHINESE	U-1	300	---	
				U-2	300	---	
Chhattisgar	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-1	360	---	
				U-2	360	---	
				U-3	360	---	
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)	CHINESE	U-1	300	300	03-11-13
				U-2	300	---	
Maharashtra	EMCO Warora TPP	EMCO Energy Ltd.(GMR)	Chinese	U-1	300	300	07-02-13
				U-2	300	300	27-08-13
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	660	10-06-13
MP	Anuppur TPP Ph-I	MB Power MP	CHINESE	U-1	600	---	
				U-2	600	---	
MP	Bina TPP	Bina Power Supply Co.	BHEL	U-1	250	250	12-08-12
				U-2	250	250	31-03-13
MP	Gorgi TPP (DB Power)	D.P Power (MP) Ltd	BHEL	U-1	660	---	
MP	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-2	660	660	18-12-13
				U-3	660	660	30-05-13
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	350	28-09-13
				U-3	350	---	
Orissa	KVK Nilanchal TPP	KVK Nilachal	CHINESE	U-1	350	---	
Orissa	Lanco Babandh TPP	Lanco Babandh Power Ltd	CHINESE	U-1	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>
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-	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	11065	
<i>Total :</i>					72339.6	23109.3	
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	---	
Chhattisgar	Lara TPP	NTPC	NON-	U-1	800	---	
				U-2	800	---	
Karnataka	Kudgi STPP Ph-I	NTPC	NON-	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-	U-1	660	---	
				U-2	660	---	
MP	Gadarwara STPP	NTPC	BHEL	U-1	800	---	
				U-2	800	---	
MP	Vindhyachal TPP-V	NTPC	BHEL	U-13	500	---	
UP	Meja STPP	JV of NTPC & UPRVUNL	NON-	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	
<u>STATE SECTOR</u>							
AP	Kakatiya TPS Extn	APGENCO	BHEL	U-1	600	---	
Gujarat	Bhavnagar CFBC TPP	Bhavnagar Energy	BHEL	U-1	250	---	

<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>
Gujarat	Bhavnagar CFBC TPP	Bhavnagar Energy	BHEL	U-2	250	---	
Gujarat	Sikka TPS Extn.	GSECL	BHEL	U-4	250	---	
Karnataka	Bellary TPP St-III	KPCL	BHEL	U-3	700	---	
Karnataka	Yermarus TPP	KPCL	BHEL	U-1	800	---	
				U-2	800	---	
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	U-9	500	---	
Maharashtra	Koradi TPS Expn.	MSPGCL	NON-	U-10	660	---	
				U-9	660	---	
Rajasthan	Kalisindh TPP	RRVUNL	CHINESE	U-2	600	---	
Tripura	Rokhia CCPP	Govt.of Ttipura	BHEL	GT-9	21	21	31-08-13
WB	Durgapur TPS Extn	DPL	BHEL	U-8	250	---	
WB	Sagardighi TPS-II	WBPDC	BHEL	U-3	500	---	
				U-4	500	---	
Sub Total :					7341	21	
<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	---	
				U-2	660	---	
				U-3	660	---	
				U-4	660	---	
Chhattisgar	Akaltara (Naiyara) TPP	Wardha PCL (KSK)	CHINESE	U-2	600	---	
Chhattisgar	Binjkote TPP	M/s SKS Power Generation (Chhattisgarh) Ltd.	CHINESE	U-4	300	---	
Chhattisgar	Chakabura TPP	ACB India	NON-	U-1	30	---	
Chhattisgar	Raigarh TPP (Visa)	Visa Power Ltd	BHEL	U-1	600	---	
Chhattisgar	Raikheda TPP	GMR	NON-	U-1	685	---	
				U-2	685	---	
Chhattisgar	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	CHINESE	U-2	600	---	
Chhattisgar	Tamnara TPP (Raigarh)	O.P.Jindal	BHEL	U-3	600	---	
				U-4	600	---	
Chhattisgar	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	---	

Sector State	Project Name	Impl. Agency	Main Equip.	Unit No.	Cap. (MW)	Cap (MW) Achieved	Actual Comm. Date
Maharashtra	Amravati TPP Ph-II	India Bulls	BHEL	U-4	270	---	
				U-5	270	---	
Maharashtra	Nasik TPP Ph-II	India Bulls	BHEL	U-1	270	---	
				U-2	270	---	
				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-	U-1	660	---	
				U-2	660	---	
MP	Niwari TPP	BLA Power Ltd		U-1	45	45	01-12-13
				U-2	45	---	
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	---	
				U-2	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	660	28-05-13
				U-2	660	660	24-12-13
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	150	30-12-13
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
Sub Total :					29272.5	5317.5	
Total :					49973.5	5338.5	
Total (12thPlan):					122313.1	28447.8	

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		
3.	Barh STPP St-II (Dist: Patna),Bihar	1320					Unit-4: - Boiler erection commenced in Aug'09. - Boiler Hydro Test completed in Nov'11. - Boiler light up completed on 25th Nov'12. - SBO completed on 02/06/13. - RHS mills& feeders erected, work on LHS mills and coal piping is in progress. Bunker shell erection completed. - TG erection commenced in Apr'11 & in progress. - TG Box up completed on 28th Feb'13. - TG oil-flushing completed on 21/06/13. - TG barring gear achieved in Aug'13. Unit Sync. with Coal on 12/10/2013. Unit commissioned on 30/11/2013. - Achievement of full load is delayed due to failure of T-23 tube in radiant roof and neck area. Unit-5: - Boiler erection commenced in Feb'10 and in progress. Out of total 33000 MT , 25688 MT material erected till Aug'13. - Boiler Hydro Test completed on 29/11/13. - Boiler light up expected by Apr'14. - TG erection commenced in Dec'11 & in progress. - TG Box up expected by 01/14. BoPs: - Chimney shell (269 Mtr) completed. - Cooling Tower works are in progress. - CHP: Str. erection completed .RHS tripper erection completed. LHS tripper erection in progress. - AHP: Bottom ash hopper is critical.	
	U-4	660	10/12 12/12	01/13	10/13 (A) 11/13 (A)	03/14		
	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							
Exp.During 2013-14 (upto 09/13)	:Rs 48400 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 CW & MUW system (WPIL), Air Conditioning (ABB), CHP-Readiness of Interconnection Stream (TRF), 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		
			Svn. com.	COD	Svn. com.	COD	
2	Vallur TPP St-I Ph-II Unit-3 (JV of NTPC-TNEB) NTECL. (Distt Thiruvallur,TN.) Unit-3	500	09/12 11/12	12/12	02/14 02/14	05/14	• MOEF: Clearance obtained on 03.06.09 • CRZ : clearance obtained on 14.07.09 • Chimney: Shell concreting & Flue cans erection completed. • Concreting, fabrication & erection of structure in progress in Main Plant area. • BOPs packages included under Ph-I. Boiler erection started on 30.6.10. Drum lifted on 29/7/11. HT done on 30/9/12. 18200/23300 MT material erected up to 12/13. P 91 joints, Re-heater coil erection & Air Pre Heater module erection done and Boiler feed pump joints, ducting & coal piping work are in progress. BLU done on 31/08/13. Power cycle piping completed for steam blowing. Boiler feed pump joints in progress. Alkali boil out & Acid cleaning completed in 11/13. SBO completed on 8.1.14. ESP column erection started in 12/10. 10025/ 11326 MT erected up to 12/13. D-pass inner roof & platform erection in progress. A pass – collector tower erection, ash extraction valve erection & ash slurry trench works are in progress. Condenser erection started on 02/05/12. Tube expansion & flood test completed. • TG erection started in 15/9/12. Stator & HP turbine erected. IP turbine boxed up. LP girder placed & inner casing lower half erection in progress. Boxed up in 24/09/13. Integral piping i/p.TG oil flushing in progress. • TDBFP B foundation – casting completed • MDBFP lub oil flushing & Motor trial run completed. • HRH & CRH line Hydro test completed. • Bottom ash hopper & feed gate erection in progress. • IDCT 3A Riser pipe erection in progress& 3B gear box erection i/p. • ID Fan B & FD Fan B deck casting completed & erection in progress. PA fans-A motor trial run completed & lub. Oil flushing i/p. PA fan B foundation work in progress. • CW pump 3A trial run taken. CW duct work is in progress. Duct erection & welding in progress. Duct encasement and debris filter area works in progress. • LHS Duct support foundation work & bunker- hopper erection are in progress. LHS coal piping in progress. • RHS bunker shell erection completed. RHS Mill foundation work completed. LHS & RHS Mill erection & coal piping in progress. RHS mill foundation work in progress. • Main & ESP control room- panel's erection & alignment i/p. • SG &TG –DMCW pumps & piping erection in progress. • TP-12 foundation completed &column erection started. TP 11 Floor casting in progress. RHS tripper floor-structural works i/p. • All CC pumps commissioned.
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 2013-14 (upto 12/13)		: Rs. 37002 Lakh					
Cumm.Expd. (up to 12/13)		: Rs. 169608 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 has executed the following transmission lines through M/s Bajaj a) VTPP – Almathi 400KV D/C line b) VTPP–Melakottaiyur 400KV D/C line in 03/13. TNEB has executed the following transmission line : VTPP–NCTPS (TNEB) 400KV D/C line in 08/12.					
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								
1	Rihand STPS St-III (Distt. Sonebhadra, UP)	1000					- Order for civil works in BTG area & Chimney placed on M/s Simplex in June, 09. - CW equipment package awarded to M/s KBL - PT plant awarded to M/s MBE - Switchyard awarded to M/s L&T - FO system awarded to M/s Raunaq - Cooling Tower awarded on NBCC - CHP awarded on F. L. Smidth - C&I equipment order placed. - AHP order placed in May, 2010 Unit-5: - Unit synchronised on coal on 19.05.2012. - Unit commissioned on 25.05.12. - Unit declared on COD w e f 19.05.2012. Unit-6: - Boiler erection commenced in 04/10. - Boiler drum lifted on 22.01.11. - Boiler HT completed on 16/02/12. - Boiler light-up completed on 29/12/12. - SBO commenced on 23.06.13 and completed on 05/ 07/13. - 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 started on 27.05.13. Flushing comp on 01.08.13. TG insulation startedon11.07.13. - TG barring gear completed in Sept'13. - Unit synchronised on coal on 30.09.2013. - CHP: Ready in 09/13. - AHP: Ready on 06/10/2013. - Unit commissioned on 07.10.13. Delay due to supply of materials like critical piping insulation, balance FD Fan, vacuum breaker valves, over speed trip device, bull ring segments, solenoid for proportional valve, connectors of LPBP valve. 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(A) 10/13(A)	04/14		
	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						
	Exp.During 2013-14 (upto 08/13)	: Rs 15500 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								

**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-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. Pre Boiler Alkali flushing completed on 28.10.13. Non drainable hydro completed on 06.11.13. EDTA-completed, SBO-01/14. 2) TG Box Up completed on 10/5/12. Oil flushing completed on 19.07.2013. TG was put on Barring Gear on 30.09.13. Compressor flood test in progress. Oil Syn-03/14 & Full load - 05/14. 3) Mills, Feeders, Bunkers are ready. Erection completed, commissioning yet to be done. 4) ESP: C&D pass commissioned and balance in progress. 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. Work is in progress. BLU is expected in 06/14 and SBO in 07/14. 2) TG: TG erection has been started by RIL. Work on TG & compressor is in progress. TG Box up in 02/14. Synchronisation in 09/14 and Full load in 11/14. 3) Mill & Bunker: Erection of Mills, Bunkers and liners is in progress. 4) ESP: Work in progress. 5) Coal Handling Plant: Ready except some cabling work. Common area: 1) Chimney- Shell casting completed. Six segment Flue cane erected. 2) Switchyard- Switch yard charged on 23.06.12. ST-I charged on 14.08.12. 3) Ash Handling Systems: AHP 75% completed but Ash Slurry Piping and Dry Ash disposal are in delay path due o delay in Pedestal work. Water Corridor Work at both ends has been started. The survey is being carried out to divert the waterline near disputed land. Contingency arrangement for Water has been made from UTLA River near Salanchi bridge. NDCT NDCT- Interconnection work for NDCT-II which will be used for Unit-I has been completed. Work on NDCT-I to remove damaged shell has been started.	
	Unit-1	600	09/10 10/10	11/10	03/14 05/14			
	Unit-2	600	12/10 01/11	02/11	09/14 11/14			
	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 : Rs 86000.00 Lakhs							
	Cumul. Exp. 12-13 : Rs 580000.00 Lakhs							
	Exp. During 2013-14 : Rs 99.27.00 Lakhs (upto 08/ 13) Prov							
	Cumul. Exp. 2012-13 : Rs. 589927.00 Lakhs (upto 08/ 13) Prov							
	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							
	<u>Power Evacuation System:</u>							
	(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 01/14 subject to PTCC clearance from CEA.							
	<u>Fuel Supply Arrangement:</u>							
	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		Delay in land acquisition for Ash Pond, Rail and water Corridor. Work of NDCT-I Work on Raw Water line is very slow due to agitation by land loosers.						

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

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual(A) / As now Expected			
			Syn. comm	COD	Syn. comm	COD		
II	PROJECT UNDER CONSTRUCTION							
1.	Tripura CCPP 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 -1 Synchronized with NER Grid in CC mode on 22.10.12 & achieved full load on 03.01.13. However during the trial run operation for COD, the gas booster compressor got damaged due to impurities in the gas supplied by ONGC. The gas pipe line length of 53 Kms is also being cleaned. Now ONGC installed cyclonic scrubbers at the supply end for supply of clean gas. The unit was commissioned & declared commercial operation on 04.01.14. - For Block-II HRSG hydro test completed. GT & GTG oil flushing completed. ST boxed up, Oil flushing completed and put on barring gear in June, 2013. The date of commissioning will be decided after receipt of the repaired Gas Booster Compressor at site from BHEL (Hydrabad). Repaired Gas Booster Compressor is expected to reach site by this month end,	- Transportation of heavy equipments to site. - Slow progress of civil works/ BOPs. - Transmission Lines/Power Evacuation. - Availability of startup power. - Non availability of cable (180Km) - Repair of damaged CEP & supply of missing/damaged items. - Repairing of Gas Booster Compressor & filters. - Delay in cleaning of gas pipe line from source to gas terminal at site (53 Km). - Delay in installation of cyclonic scrubbers at the supply end.
	U#1	363.3	12/11	-	22.10.12 03.01.13 02/14 03/14	04/01/14		
	U# 2	363.3	03/12	-		05/14		
	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		: Rs 81500 lakhs					
	Comm. Exp. Up to 03/13		: Rs 297700 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					

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.							• 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 and extended validity up to 12-06-17 vide letter dated 11-01-2013. • 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. Erection of flue cans for U-1 completed and that for U-2 is in progress • NDCT: Order placed on 12-03-10 on M/s Gammon. Shells completed for both CTs Erection of partition wall and pre-cast beams in progress. • CHP order placed on 31.07.09 (M/S L&T). Erection of JTs and conveyor gallery is in progress. 7768/7787 MT structural material and 4286/4560 MT equipment erected by 11/13. CNB laying in progress. Cable gallery completed. Erection of SCRs & CH lifts done. Testing of MCC panels, laying of cables etc is in progress. • AHP order placed on 08.04.10 (Energo). Three silo shell concreting completed. 4th silos concreting, trestle erection for pipe rack in progress. Compressor erection for U-1s 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: HFO/LDO tanks erected. FOPH MCC ODC and transformer positioned. Fuel oil pump erection is in progress. • CWS: order placed on 31.10.09 on KBL. CW channel raft completed. RCC for bay and channel wall, pier wall and laying of pipes in progress for both units. RCC for pump house superstructure is in progress. Pipes laid & HT conducted for U-1. • DM: Storage DM tanks, reject water tanks, sludge tank, DM chemical house guard pond, BAST and UF cum backwash tank are completed. Cable laying and erection of equipment in RO bldg is in progress. • FPS: LOA issued to M/s Mather & Platts. Piling work for reservoir and pump house completed. Piling for control room to be started. Pipes yet to be supplied. • Switchyard: Order placed on 29-01-10 (M/s L&T). Erection of 400 kV GIS completed. Testing for 220 kV systems and cable laying is in progress. • Unit-1 • Blr: erection started on 03-11-10. Drum lifted on 29-09-11. 14229/15200 MT material erected by 11/13. Erection of FD-1A, PA-1A and ID-1A is in progress. HT: conducted on 28-09-12 / 09-10-13 • BLU: expected in 12/13. • Box up: expected in 12/13. • ESP: 7412/9000 MT structural steel erected by 10/13. A/B pass hopper erection in progress. Collecting electrode erection in progress. • TG: Condenser erection started on 10-07-12. Tube insertion completed. Erection of water box is in progress. TG erection started on 29-09-12. IP boxed up. LP flow path clearance checking is in progress. Erection of BFPs under progress. • Unit-2 • Blr: erection started on 15-12-10. Drum lifted on 22-09-11. HT conducted on 09-11-12. 13488/15200 MT material erected by 11/13. PA/FD/ID fans erection is in progress. • BLU: expected in 02/14. • Box up: expected in 01/14. • ESP: 7198/9000 MT structural steel erected by 11/13. A/B pass hopper erection is in progress. Erection of collecting electrode and control room civil work in progress. • TG: Condenser erection started on 21-01-13 and that of TG on 29-04-13. Preparatory works for tube insertion is in progress. LP girders placed in position.	
		U-1	500	01/12 03/12	04/12	01/14 02/14	03/14		
		U-2	500	06/12 08/12	09/12	03/14 05/14	06/14		
		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 Nov. 2013)	Rs. 70023 Lakh						
		Total Expenditure	Rs 4828.41 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 LOA date s 24-09-10 FSA signed on 24-09-13.							
	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 delayed							

STATE
&
PRIVATE
SECTOR

NORTHERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN DELHI

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 3x250 GT-2 ST-1 Block-II GT-3 3x250 GT-4 ST-II	1500 750 750	 03/10 3/10 05/10 5/10 07/10 7/10 07/10 7/10 09/10 09/10 11/10 11/10		 10/10 (A) 10/10 (A) 2/11(A) 2/11(A) 10/11 (A) 02/12 (A) 06/12(A) 06/12(A) 05/13(A) 05/13(A) 12/13(A) 03/14	 12/12 (A) -	a) LOI issued to BHEL on 30.4.08. b) Contract signed on 30.5.08. c) Advance issued on 13.6.08. <u>GT#1</u> - Synchronised on 11.10.2010. - Commissioned on 24/10/10. - COD on 27.12.2011 in open cycle. <u>GT#2</u> - Synchronised on 09.02.2011. - Commissioned on 17/02/11. - Declared on COD wef 16.07.2012 (open cycle) and in combined cycle mode wef 14.12.2012. <u>ST#1</u> - Synchronised on 03/10/2011 - Commissioned on 29/02/12 - ST-1 with GT-1 on COD wef 01.04.2012. Now complete module- I (GT-1 +GT-2 +ST-I) is in combined cycle mode Wef 14.12.2012. <u>GT #3</u> - Synchronised on 26.06.2012. - Commissioned on 27.06.12. - Declared on COD in open cycle on 28.10.2013 <u>GT # 4</u> - Synchronised on 01.05.2013. - Commissioned on 07.05.13. <u>ST#II</u> - ST-II Erection started on 30.10.2011. - ST-II Synchronised on 23.12.2013. - Commissioning expected in 03/14 - Commercial operation will be after availability of gas.
Sanctioning Authority : Govt. of National Territory of Delhi Est. approved cost : Rs. 519581 lakhs Exp. upto 2008-09 : Rs.126278 lakhs Exp. during 2009-10 : Rs. 63337 lakhs Exp. during 2010-11 : Rs 90254 lakhs Exp. during 20011-12 : Rs. 72605lakhs Exp. during 2012-13 : Rs 23857 lakhs Exp. during 2013-14 : Rs 8350 lakhs (Upto 10/13) Total Expenditure (Upto 10/13) : Rs.384681 lakhs Type of fuel : Natural Gas Gas turbine : GE (9FE) Fuel Linkage : Gas has been ties up with GAIL, IOC & BPCL For 2 mmscms by each company . Date of Main Plant Order : M/s BHEL (30.5.2008) (Rs.349999 lakhs) (Turn-key) Power Evacuation System : At 400 KV level from existing Grid station of DTL.							
	Critical Areas	BHEL has yet to start the laying of pipeline from CMB to storm water pump house and then to Bawana Escape. Road and drainage system in poor shape . Drain is upto module –I and require to be extended.					

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 1&2 erection completed. Stacker reclaiming commissioning in progress. Crusher house work is in progress. Belt laying completed. Carpet coal laying is in progress. 2) Chimney: 275 mtr height complete shell casting done.7 th 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 : 14 cells fan erection completed. 4) PT Plant: PT plant & chemical house PLC commissioning under 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. - Unit Synchronised on oil on 06/ 07/2013. - Coal firing expected in 02/2014 and full load in 03/2014. Unit- 2:- -Boiler erection started on 19.11.2010. Out of 13714 MT of Boiler material, 13330 MT have been erected till 12/13. -Boiler Drum lifted on 24.07.2011. -Boiler hydro test completed on 26.09.2012. -Boiler light up done on 25/ 09/2013. - SBO started on 19.12.2013 and completed on 31.12.2013 -TG erection started on 31.05.2012 HP/ IP/ LP alignment completed. Generator placed in position. TG boxed up on 03/10/2013. TG oil flushing started on 01/10/2013 and completed on 28.11.2013. Synchronisation expected in 02/2014.
	Unit-1	270	11/12 04/13	05/13	07/13 (A) 03/14	04/14	
	Unit-2	270	05/13 10/13	11/13	01/14 04/14	05/14	
	Date of clearance by State Govt.	: 18.05.1998					
	Original Est. Cost	: Rs. 296381Lakhs					
	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 12/13)	:Rs 50060 Lakhs					
	Commulative Expd. (Upto 12/13)	:Rs.322811 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 Khasa (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 25Yr -Land possession: 100% acquired. 1) CHP: (SEPCO/GDCL): Wagon Tippler-1A commissioning in progress.&1B equipment erection in progress.Wagon tippler- 2: 0.85m slab completed.Structure erection completed, hopper liner erection completed. 2) Chimney: (SEPCO/L&T): Out of 275 mtr height of tri flue chimney 270 mtr shell construction completed. Flue can erection completed. 3) NDCT: (SEPCO/ 2Nos to Paharpur & 1No to - L&T):. NDCT-1: Total 155.mtr height completed. Water basin charged. NDCT-2: Total 155.mtr height 153 Mtr shell completed upto 12/2013. NDCT-3: Full 155Mtr height shell const. completed till 10/2013. 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. Service water line commissioned. 6) DM Plant: (SEPCO/L&T): Plant commissioned on 31.12.2012 7) F.O. System: (SEPCO/L&T): LDO & HFO tank 1&2 completed. Fuel oil unloading in progress. Fuel oil pump house completed. Unit-1:- -Boiler erection started on 10.01.2011 -Boiler Hydro test done on 21/ 01/2013. -Boiler light up done on 22.11.2013. - SBO completed on 30.11.2013. -TG erection started on 16.08.2012 - TG boxed up on 24.03.2013. - TG oil flushing completed on 10.11.2013. - TG put on bearing gear on 15.11.2013. - Unit synchronized on 31.12.2013 - Coal firing expected in 01/2014. Unit-2:- -Boiler erection started on 25.06.2011 and out of 25311 MT of boiler material 19014 MT has been erected till 12/2013. Complete Pressure parts erection of 7406 MT completed. Out of 48888 HP joints 48804 nos completed till 12/ 2013. -Boiler Hydro test expected in 01/2014. -TG erection started on 15/ 03/13. - TG box up expected in 03/2014. Unit-3:- -Boiler erection started on 25.12.2011 and out of 25311 MT of boiler material 19479MT has been erected till 12/2013. Out of 7407MT of Pressure parts erection 6365 MT completed. Out of 48888 HP joints 43152 nos completed till 12/ 2013 -Boiler Hydro test expected in 03 / 2014. -TG erection started on 08/04 / 2013. - TG box up expected in 05/2014.
Unit-1	660	09/12 10/12	11/12	12/13(A) 03/14	04/14		
Unit-2	660	02/12 01/13	02/13	11/14 12/14	01/15		
Unit-3	660	04/13 05/13	06/13	02/15 03/15	04/15		
Date of clearance by State Govt.	: 09/2006						
Original/Latest Est. Cost	: Rs. 1025000 Lakhs						
Date of Financial Closure	: 27.11.2009. Entire funding by holding Co. : Funding arrangement made. :Debt: 75%, Equity:25%						
Exp. During 2009-10	:Rs .99910 Lakhs						
Exp. During 2010-11	: Rs. 65766 Lakhs						
Exp. During 2011-12	:Rs.255196 Lakhs						
Exp. During 2012-13	:Rs.193107 Lakhs						
Exp. During 2013-14 (upto 11/13)	:Rs.147782 Lakhs						
Commulative Expd. (upto11/13)	:Rs 761761 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 Corpn, 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 LOA to TSPL on 14.08.2008 for 7.72 MTPA coal linkage - grade E/F from Basundra coal - fields for 1800 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) Enhancement of coal linkage from 7.72 MTPA(for 1800 MW) to 10 MTPA (For 1980 MW) 2) 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

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 completed. Erection of BCN in different section is in progress. Civil works for BCN -3 & 4, ERH and bunker floor, erection of coal mills and dust extraction/suppression for U-2 are in progress. • AHP: Bottom ash disposal system is in progress. Erection of air handling system completed and commissioning activities are in progress. Erection of pump for bottom ash and pipeline for ash dyke is in progress. • NDCT: CT-1 commissioned. Commissioning activities for CT-2 are 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. • CWS: commissioning of CW pumps and ACW system are in progress for U-2. • 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. Synchronised on 30-05-13. Commissioning expected in Jan 14. Unit-2 • Boiler erection started on 26-03-10. Boiler drum lifted on 14-08-10. Erection of LDO/HFO guns, APH, coal mills and bunkers, critical piping and insulation of boiler is in progress. • Boiler HT: conducted on 15-12-11. • Boiler light up is expected on 31-01-14. • Box-up: expected on 31-12-13. • 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. Erection works of MDBFP, TDBFP, CEP, HP & LP heaters and De-aerator are in progress. Oil flushing expected in 01/14.
U-1	600	10/11	-	5/13(A)	02/14		
U-2	600	12/11	-	01/14	07/14		
		01/12		03/14			
		03/12		06/14			
	Original Estimated cost		:Rs. 460000 lakh				
	Latest Estimated cost		:Rs. 772300 lakh				
	Expenditure During 2008-09		:Rs. 63700 lakh				
	Expenditure During 2009-10		:Rs. 84534 lakh				
	Expenditure During 2010-11		:Rs. 253596 lakh				
	Expenditure During 2011-12		:Rs. 142400 lakh				
	Expenditure During 2012-13		:Rs. 161870 lakh				
	Expenditure During 2013-14 (up to 09/13)		:Rs. 21219 lakh				
	Total Expenditure		: Rs 7273.19 Crores				
	Zero Date		: 09-07-2008				
	Financial Closure		: Achieved on 26-07-2011				
	Type of fuel		: Coal				
	Fuel Linkage		: Imported				
	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 with bunker. •						

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 & 4 civil works completed. TH1 & TH2 completed up to 3.4 m. Crusher house structural erection completed, floor casting & erection of equipment is in progress. Stacker cum reclaimer is ready. Erection work in various galleries is in progress. Contingency arrangement for transferring coal from existing units to new units is completed. • AHP (Indure): Erection for U3 completed and 75% erection of U4 fly ash system is completed. 80% BAH work for U3 and 5% for U4 completed and other works are in progress. Clinker grinder is also to be erected. • Chimney (Syad Yusuf): Chimney shell casting and flue can erection completed. Grade slab at '0' level is still balance otherwise chimney is ready for use. • Cooling Tower (PCT): CT3 and CT4 are completed. • PTP: Flocculator walls are under construction. 50 % clarified water tank completed. 40% foundation erection work completed. • DM Plant: Both stream are generating DM water in manual mode. • CW Pump house: All CW pumps and ACW pumps are ready for use. Water fore bay is ready and is filled with water. • FO system: 100% works completed. • FPS: Supply (82.56%) received. 75 % erection of U3 and 45 % that of U4 is completed. • Switchyard: Erection of equipment is completed. Cabling, earthing control and relay panel work, is in progress. <u>Unit-3</u> • Boiler erection started on 24-06-10, boiler drum lifted on 31-12-10. Critical pipes erected. Boiler is ready for light up and lighted up. 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 • ESP: Structure erection completed. It is in use. • 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 and achieved full load on 14-09-13. <u>Unit-4</u> • Blr erection started on 24-09-10, Boiler drum lifted on 06-06-11. • HT: conducted on 07-12-12. • BLU: expected in 12/13 and SBO in 01/14 • ESP: 3678 / 3810 MT structural material is completed. • TG: erection started on 20-09-12 and is in progress. • Box up: expected in 03/14. Oil flushing is expected in 01/14.
	U-3	250	<u>03/11</u> (05/11)	-	<u>5/13(A)</u> 9/13(A)	10/13	
	U-4	250	<u>05/11</u> (07/11)	-	<u>02/14</u> 03/14	04/14	
	Original Estimated cost		Rs. 220000 lakhs				
	Latest Estimated cost		Rs. 303300 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		Rs. 34898 Lakhs				
	Expenditure During 2012-13 (up to 11/13)		Rs. 36139 Lakhs				
	Total Expenditure		Rs. 2806.57 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				
Critical Areas		• Shortage of manpower by civil agency • Coal handling system even contingency CHP is critical • Water system					

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. Commissioning activities are pending. DM Plant: DM Tank erection completed. DM building completed, one clarifier erected. Raft for neutralization pit cast completed. MCC room on roof level is in progress. Cabling works to be done. CWS & ACWS: ACW system is ready. Fore bay raft completed, side walls are constructed. Roof cast of MCC room of CW system completed. Pipe erection work is in progress. RWR: Reservoir toe wall and pitching lining in progress for RWR-3. Excavation (33.8%) 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. BTG CWPH: Pump Floor cast is completed. Fore bay is getting ready. EOT crane to be erected for motor erection. Hot water pipes erected. CW pipe is under erection. PTP: Walk way and launder slabs for both tanks completed. HRSG: Blr erection started on 06-05-11. Drum lifted on 26-03-12. Erection completed. HT conducted on 15-04-13. Erection of BFP and piping in progress. Critical piping is in progress. Stack: Main and by-pass stacks completed. Box up: done on 21-12-13 STG Building: STG deck casted on 30.10.12. TG erection started on 04-07-13. Stator and rotor have been erected. STG boxed up on 21 -12 13. Main steam piping, lube oil piping and condensate piping works are in progress. Oil flushing expected to be completed on 08-01-14. Barring gear expected in 01/14.
GTG	110	05/11 05/11		03/13(A) 03/13(A)			
STG	50	09/11 10/11	12/11	02/14 02/14	01/14		
Original Estimated cost		Rs. 64000.0 Lakh					
Latest Estimated cost		Rs. 64000.0 Lakh					
Expenditure during 2009-10		Rs. 9933.0 Lakh					
Expenditure during 2010-11		Rs. 23791.0 Lakh					
Expenditure during 2011-12		Rs. 12685.2 Lakh					
Expenditure During 2012-13		Rs. 8336.6 Lakh					
Expenditure During 2013-14 (up to 11/13)		Rs. 2289.0 Lakh					
Total Expenditure		Rs. 570.35 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 BoPs drawings - Water system, CWS and erection of STG 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 on 03.01.2011 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 from 35 m to 275 m. Erection of steel flue can of unit-I completed and for unit-II erection started.(35-275 El. Completed) 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. , 33793/41612 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 completed. SBO completed. MDBFP for both units and TDBFP for both the units completed. MDBFP cabling under progress. Waste oil tank erection & its piping U/P. HFO line HT I/P. Safety valve exhaust line erection completed. Unit synchronized on 21.12.13 and full load 02/14 Rotating Machines: ID Fan-1A- Lun oil skid placed.. FD Fan 1A-Lub oil flushing completed. ASPH -1B- Commissioned PA Fan- A- Erection I/P, Fan-B- Lub oil flushing U/P & piping fitting completed. PA system will be ready in 07/13. Mills (RHS)- Lub oil skid 5/5 placed. Pipe fitting completed. Mills (LHS)- Journal opening- BTT 5/5 completed. Mill 1B-lub oil flushing completed. TG-1: TG deck completed. TG erection started on 13.03.11 Stiffener rod welding under progress.HPT centering position checked and load taken on bearing 1 & 2. Turbine Lub.oil with pedestal 1to 7 , seal oil pipe flushing work U/P. IP turbine final Box-up completed. LP turbine outer casing erection work completed. Condenser floating work completed. Stator placed in position. TG boxed-up. Barring gear expected in 12/13. (LPR upper casing not covered as on 31.01.13.TG lub Oil & MDBFP coupled trail run taken) U-2: Boiler erection started on 24.04.10 Boiler drum lifted on 6.3.11. 26656 MT erected. MDBFP for U-2 completed. HT Completed on 06.09.12 (Drainable). Duct support ESP to Chimney U-2 U/P. Pent house erection & Insulation work U/P. Coal pipe & damper erection U/P.BLU expected in 03/14. Boiler insulation U/P. Boiler platforms erection, Mill bunker connection plate form erection U/P. Boiler insulation under progress. TG-2: TG deck completed. TG erection started on 18.10.11 All the bearing leveling completed (Catnery tubes). Condenser water box both side front & rear erection work completed. HP
Unit-1	500	05/12	09/12	21.12.13 (A)	02/14 03/14		
Unit-2	500	07/12	11/12	09/13	07/14 08/14		
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					
Exp. During 07-08		:Rs 321 Lakhs					
Exp. During 08-09		: Rs 39175 lakhs					
Exp. During 09-10		: Rs 49580 lakhs					
Exp. During 10-11		: Rs.100899 lakhs					
Exp During 11-12		Rs 143458 Lakhs					
Exp During 12-13		Rs 130726 lakhs					
Exp During 13-14 (Up to 11/13)		Rs 76522 lakhs					
Total Cumm. Exp. (up to 11/13)		Rs 541177 Lakhs					
Type of fuel		Coal					
Financial Closure		: 31.03.08					
Zero date		: 11.04.08 for BTG and 25.08.09 for BOPs Order for civil works Placed on BHEL on 31.12.08 which is considered as 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 on 31.12.08. BOPs ordered on EPC on M/s BGR on 25.08.09					
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 FSA	MoU has been signed with CSPDCL for sale of 100% power. 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	&IP turbine roll check ,horn drop and bump check completed. TG lub oil piping fit up & welding work U/P. LP turbine placed in position & alignment completed & Box up U/P. Deaerator . HP heater-6B placed in position. 32 TSP placed in position and welding work U/P. Condenser HT completed. IP turbine final box-up work completed. Lub-oil, seal oil piping work completed. Generator stator lifting work completed. TG box –up expected in 0314 9) LOI issued for other BOPs through ICB route on M/s BGR on 25.08.09. 10) ESP: unit-1 – Control building, finishing ,water proofing work u/p. ESP out let to Chimney insulation work U/P. U-2: Hopper approach platform work I/P. D-pass hopper erection I/P. Insulation sheeting at ESP outlet area I/P.Slab at all elevation completed.& ironite flooring & brick work under progress. 11) NDCT: U-1 Construction of tower shell completed. Basin raft, gutter raft, grillage column & precast beam C W channel , stair case, PVC fills &distribution system are U/P. U:2: Ring beam work completed construction of tower shell U/P up to 155.3 m completed. Basin raft, gutter raft, grillage column u/p. 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. Contingency route using hoppers is being made for commissioning of the unit. 13) AHP: Civil works under progress at ash silo & compressor room and HCSD pump house & MCC room. .Buffer hopper fabrication work and erection work u/p.. AHP is critical: MCC room of AHP, Vacuum pump house, Ash slurry pump house etc. 14) Switch Yard: 220Kv Switch yard : Charged. 400 Kv : 51 Tower foundation work completed. & equipment foundation work 374completed and 30 Tower & 15 No Gantry erected Tower structure & equipment structure work 231 completed. Switch will be ready by 11/2013. Supply of material started by BHEL. About 1243764.8506 MT boiler material, 19577.9379 MT of ESP material and 18932.79727 MT of Turbo generator material was received at site as on 30.11.13
	Critical Areas: Latest: Initial delay is due to Initial delay is due to Change of award of Chimney. Delay in readiness of BOPs (CHP-will be ready by 01/14, AHP - contingency will be ready bt 02/14 etc.,) and Law & Order Problems, preferage of material etc.	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. AHP & CHP Critical, 400 kV switch yard not ready and CWPH not ready due to power . The work in CHP&AHP is lagging behind schedule because of civil fronts. BGR is unable to put appropriate civil agencies and also in adequate man power. Frequent change of civil agencies by BGR, the work is compounding. (Man power shortage- Required-6000 & available-2000) BHEL: BHEL also has not provided the regular project Manager	

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	30.09.13 (A)	01/14 02/14	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. 33129/38112MT boiler & 7976/8446MT of ESP material erected, 2967/2968MT ducting material erected. 915/1661MT insulation completed. 926/940 nos Joints PCP erected. 5388/5500MT bunker material erected (8/8 bunkers completed.) Insulation for Boiler completed. Steam blowing completed on 15.08.13. Unit synchronized with oil on 30.09.13. Coal syn. Expected in 10/13 and FL by 12/13. TG-1: deck column & beam casting work under progress. Condenser erection started on 06.08.12. TG erection started on 05.09.12. HP Turbine, IP Turbine, LP-1 & LP-2 completed 100%. Generator rotor coupleted with LP. Condenser 98& completed. MDBFP & CEP commissioned on 09.07.13 and TDBFP readiness by 08/13. TG box-up completed on 28.06.13. TG lub oil flushing completed on 30.08.13. TG barring gear on 16.09.13. 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 on 18.12.13. Syn. expected in 03/14 & FL in 03/14. 30668/38112MT boiler & 8342/8446 MT of ESP material erected, 2048/2968MT ducting material erected. 910/1660MT insulation completed. 900/918nos Joints PCP erected. 4539/5500MT bunker material erected (4/8 bunkers completed.) TG-2: Condenser erection started on 10.10.12. A tubing completed. TG erection started on 05.01.13 . HP Turbine 100% IP Turbine-95%, LP_1 &LP-2-80% completed. box up completed. Condenser-A water leak test completed. Generator expected at site by 10/13. MDBFP ready & TDBFP by 10/13. TG box up expected in 01/14. Unit-3: Boiler erection started 23.11.12. Drum lifted on 07.02.13 in a record time of 96 days
	Unit-2	600	02/14	04/14	02/14	03/14 04/14	
	Unit-3	600	07/14	09/14	08/14	10/14	
	Unit-4	600	09/14	11/14	07/15	03/15	
	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 (org for 4 units))	Rs. 1280000 lakhs					
	First 2 Units cost	Rs. 711000 lakhs. Exp – 350523 (09/13)					
	Est. approved cost (latest) For 4 units	: Rs. 1314000 lakhs					
	Exp. During 2011-12	: Rs: 289600 lakhs					
	Exp during 2012-13	: Rs. 230400 Lakhs					
	Exp during 2013-14 (up to 09/13)	: Rs. 123941 Lakhs					
	Cum.Exp. up to 09/13	: Rs 643941 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					
		Main Plant of JPL PH-II (4x600 MW) is coming up on 115 Ha land which is part of the 360 Ha approved in 1997 for Ph-I of 4x250MW. Out of 115 Ha land , JPL not able to buy 53 Ha due to ban for sale/purchase/registry of land in the prospecting lease with CMDC in Sep.,2006.					

		Consent for transportation of coal by road yet to be received (Jindal Power). Consent to operate to be obtained from SPCB	Pressure parts erection under progress. HT completed on 30.10.13. BLU is expected in 03/14. Syn. Expected in 08/14 and full load 10/14 TG-3: TG erection started on 30.09.13. TG box up expected in 06/14. Unit-4: Civil works are in progress. Ceiling girder A & B erection completed. Boiler erection started and Drum lifted on 18.10.13. HT expected in 06/14. BLU-12/14, FL-03/15 TG-4: Piling work for TG deck is in progress. TG column completed up to deck bottom and deck reinforcement work under progress. Condenser erection start expected in 12/13 and TG erection expected by 01/14. CHP: TP & gallery structural erection completed and CHP mechanical equipment erection nearing completion. Conveyor trail for unit 1 under progress. AHP: Compressor house and ash water P/H foundation completed. Civil works U/P. For U-1 490 MT/250MT erection completed. Structural erection under progress. Bottom ash hopper for U-1 Completed and for U-2 Under progress. Ash water P/H work U/P. Ash slurry P/H 1st stream pumps erection completed, structural work U/P and nearing completion. Ash pipe support pedestal and pipe erection U/P. Chimney-1: (U-1 & 4) Shell height 270 m/270 m completed. For U-1 Flue can erection work of last spool (7th) U/P. Chimney-2: (U-2 & 3) shell height 270/270 Completed. For U-2 flue can erection completion expected by 11/13. CW system : Completed. Cooling Towers(NDCT): Tower-1, Shell completed. 1st half nearing completion. 2nd half internal work U/P expected to be completion by mid 10/13. Tower-2: Shell completed. Internal work U/P. Tower 3 : Shell under progress . Height 60 m achieved. Tower 4: Raft work U/P.
	FSA	For U-1 & 2: LOA from SECL & MCL . All milestones activities related to LOA achieved. Execution of FSA is in process.	
	PPA	For U-3 & 4: for in-term period till coal linkage , imported coal will be used from Mozambique.	
	Power evacuation System	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 21.11.08 on M/s Cethar Vessels Ltd , Thiruchirapalli on BTG basis , Boiler : Cethar Vessels Ltd, Turbine Genarator: M/s Harbine Turbine Co.Ltd, China	
	Unit-1	135	06/11	06/11	04.09.13(A)	12/13	b) Land : Required 261 Ha , Possession : 260.899 Ha.	
	Unit-2	135	09/11	09/11	07/13	04/14	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.	
	Unit-3	270			03/14	06/14	d) PPA was signed with CSPTCLL on 05.01.11	
	Date of TEC		: Not Required					e) 18 MCM Water allocated by WRD, Govt.of C.G from Hasdeo River.
	Date of Approval by State Govt.		MOU with State Govt. on 04.05.07 and implementation agreement with state Govt. 01.08.09					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.
	Est. approved cost (2x135 MW)		: Rs.145844 lakhs					g) Cooling :Under progress
	Exp. During 2009-10		:Rs 14441 lakhs					h) CHP : :Under progress
	Exp. During 2010-11		: Rs . 43617 lakhs					i) AHP: Under progress
	Exp. During 2011-12		: Rs . 88942 lakhs					j) Chimney: Flue can erection completed.
	Exp. During 2012-13 (07/12)		: Rs . 2200 lakhs					
	Cumm. Exp. (up to 07/13)		Rs 186147 lakhs					
	Financial Closure		: Achieved in 08/2009					Switchyard Back-charged on 29.09.12.
	Zero date		:					FSA Signed
	Type of fuel		:					
	Date of Main Plant Order		: on M/s Cethar Vessels Ltd in Nov.,08 (BTG)					Boiler:1
	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.					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 completed. Unit synchronized on 04.09.13. Full load expected in 12/13 (The unit touches 15 to 20 MW, then problem occurred in Turbine i.e Turbine over run. The Chinese Engineers attending the problem , it will take 3to 4 days)
Critical Areas		Start up / carpet coal MOU is pending with SECL. FSA execution is pending with SECL					TG-1: TG erection started in 11/11and TG box-up completed in 07/12 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 12/13. Synchronization expected by 03/14 and full load by 04/14. TG-2: TG erection started in 11/11and TG box-up expected in 01/14 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.	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Comm	COD	Comm	COD		
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 15.03.13 . ●EDTA completed on 14.06.13 . ●SBO started on 01.08.13 . ●SBO completed on 13.08.13 . ● TG civil works started on 14.02.12 . ●Condenser erection started in 04/12 ●TG erection started in 06/12 . ● TG Box up completed in 06/13 . ● TG oil flushing completed on 13.08.13 . ● TG on barring gear achieved on 16.09.13 . ● Synchronized on 09.10.13 . ● CF expected in 01/14. ● FL expected in 01/14. Unit-2: ●Boiler erection started on 05.08.11 . ●Drum lifted on 24.02.12 . ●HT conducted on 04.03.13 . ● Non-drainableHT conducted on 31.10.13 . ●BLU done on 24.12.13 . ●SBO completion with stabilization expected in end 02/14. ● TG deck casted on 15.07.12 . ● Condenser erection started on 15.12.12 . ●TG erection started on 07/13 . ●TG box up expected in 01/14. ●TG oil flushing comp. expected in 02/14.	
	Unit-1	600	03/13	03/13	12/13	12/13		
	Unit-2	600	07/13	07/13	03/14	03/14		
	Date of TEC	: Not Required						
	Date of Appr. State Govt. MOE&F	: MOU signed with GC on 07.01.08. : 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.208 MW with TANGEDCO-SR. MTOA for 123 MW with TANGEDCO-SR.						
	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	U-1=LHS side Mills cabling work u/p. Ash water, Ash slurry pump house and Air compressor house –laying of pipe line u/p. U-2=						

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 06.09.13.. BLU expected 02/14. Synchronisation expected in 03/14. Full load expected in 03/14. (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.Oil flushing completed on 20.05.13 & Barring gear completed on 10.08.13. 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 conveyor completed. Trail of all equipment taken on 29.09.13. AHP: 100% of civil foundation of pipe line support completed & civil work of fly ash silo 100% completed and construction of silo for bottom ash is under progress. AHP will be ready by 31.10.13. Cooling Tower . Ready on 30.11.12 Chimney: Ready on 15.06.12 (95 m height) Fire protection System : will be ready by 31.10.13. C&I System : will be ready by 02.02.14 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	03/14	03/14	
	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. 4551 lakhs				
	Exp. In the year 2013-14 (08/13)		Rs1220 lakhs				
	Cumm. Exp. (up to 08/13)		Rs 17839 Lakhs				
	Financial Closure		Achieved on 30.09.09				
	Type of fuel		Washery reject coal				
	Date of Main Plant Order		29.03.10				
	PPA		PTC				
	The COD has to be extended up to 31.03.14 due to following reason:- The Start up power for this project will be from the 132 Kv network of CSPDCL. A 132 Kv pooling substation for the same has been constructed as a deposit work under the supervision of CSPDCL. The pooling sub station is physically ready. However, to charge the same, the formalities in relation to transfer of the land to CSPDCL, is under consideration with CSIDC, which is taking time. Once land transferred , permission for start-up power & connectivity will be submitted simultaneously to CSPDCL & CSPTCL respectively.						
	With the availability of the start-up power from the pooling sub-station , the start up and pre-commissioning activities will be completed in 6-8 weeks time and the unit is expected to be synchronised by first week of March,2014 with COD by 31.03.2014.						
	As per letter dated 14.01.14 PPA for supply of 30 MW was signed with PTC on 20.04.09. Recently, on 17.10.13, PTC has been intimated that the contracted capacity will be 20MW out of one unit of 25 MW. PPA for 5% t.e 1.25 MW of net power shall be signed with CSPTCL						
	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							
	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	18.05.13 (A)	13.08.13 (A)	Unit-1 Boiler 1. Boiler erection started on 18.08.10. 2. Boiler Drum lifted on 29.04.11. 3. Boiler HT (Non-Drainable) completed on 06.07.12 4. Boiler Chemical cleaning completed on 12.04.13 and insulation work completed. 5. BLU completed on 10.04.13. 6. EDTA completed on 12.04.13 7. SBO completed on 24.04.13 8. Oil synch. Completed on 18.05.13 9. Coal Firing is expected in 07/13. 10.Full load achieved on 13.08.13 COD achieved on 14.08.13
	Unit-2	600	06/12	08/12	10/13	03/14	
	Unit-3	600	10/12	12/12	04/14	03/15	
	Unit-4	600	02/13	04/13	09/14	11/15	
	Unit-5	600	06/13	08/13	07/15	03/16	
	Unit-6	600	10/13	12/13	11/15	08/16	
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	:Rs.1619000 Lakh					
	Exp. During 10-11	: Rs. 45529.8 Lakh					
	Exp. During 11-12	: Rs. 821600 Lakh					
	Exp. During 12-13	: Rs. 222416 lakhs					
	Exp. During 13-14 (Up to 11/13)	: Rs. 106161 lakhs					
	Total Exp.(upto 11/13)	:Rs.1195707 Lakhs					
	Financial Closure	: Achieved on 30.03.10.					
	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.						
	Unit-4						

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. Unit-4 Boiler drum yet to be dispatch from China	<u>Boiler</u> 1. Boiler erection started on 08.12.11 2. Boiler Drum lifting is expected in 01/14 3. Boiler HT (Non-Drainable) is expected in 11/14. 4. BLU is expected in 08/15 5. SBO completion is expected in 08/15. 6. Oil synch. is expected in 09/15 7. Coal Firing is expected in 10/15 8. Full load is expected in 11/15. <u>TG</u> 1. TG Deck casting completed on 06.10.12. 2. TG erection start is expected in 04/14.. 3. TG box up is expected in 08/15. 4. TG oil flushing completion is expected in 08/15. <u>Unit-5</u> <u>Boiler</u> 1. Boiler erection started on 06.02.12. 2. Boiler Drum lifting is expected in 01/14 3. Boiler HT (Non-Drainable) is expected in 12/14. 4. BLU is expected in 12/15. 5. SBO completion is expected in 01/16. 6. Oil synch. is expected in 02/16. 7. Coal Firing is expected in 03/16. 8. Full load is expected in 03/16. <u>TG</u> 1. TG Deck casting completion is expected in 10/13. 2. TG erection start is expected in 03/14. 3. TG box up is expected in 01/16. 4. TG oil flushing completion is expected in 01/16. <u>Unit-6</u> <u>Boiler</u> Boiler raft casting completed. 1. Boiler erection start expected in 01/14. 2. Boiler Drum lifting is expected in 10/14. 3. Boiler HT (Non-Drainable) is expected in 05/15. 4. BLU is expected in 03/16. 5. SBO completion is expected in 05/16. 6. Oil synch. is expected in 06/16. 7. Coal Firing is expected in 07/16. 8. Full load is expected in 08/16. <u>TG</u> 1. TG raft casting completed and column casting is in progress. Deck casting completion is expected in 10/14. 2. TG erection start is expected in 02/15. 3. TG box up is expected in 03/16 4. TG oil flushing completion is expected in 03/16 <u>Chimney: 1:</u> Chimney shell casting 270 m completed. Flue cane erection completed. For 1st unit. <u>Chimney-2:</u> Shell casting 270 m completed. Flue can fabrication & erection completed.
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. 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 had further delayed the erection work. 6. Work progress was slow on commissioning of RODM plant. Block-II: GT-2 turning gear operation achieved on 01.03.13. Cranking done on 3.3.13. FSNL achieved on 06.03.13. Synchronization achieved on 13.03.13. ST synchronization achieved on 26.03.13. Combined cycle commissioning achieved on 27 03.13 (Base load of 338MW). Block-I: 1. 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). BHEL have now supplied new GT in place of that GT. 2. GT-1: Supply of GT was received at site on 10.7.11. GT erection started in 09/11. The work on Blk-I was on hold due to supply of damaged compressor rotor of GT-1. Replacement of damaged stator vanes has now completed. Now GT has boxed up. GT FSNL achieved on 09.10.13. GT synchronized on 10.10.13. IBH header rectification work completed on 03.12.13. 3. HRSG-1: Erection started on 24.11.09. HT completed in 11/11. Re-hydro test completed on 15.8.13. ABO completed on 12.10.13.SBO started on 15.10.13 but stopped due to IBH header failure on 18.10.13. Now after rectification of IBH header SBO restarted on 10.12.13 and completed on 15.12.13. Normalization completed by end 12/13. 4. ST-I: Supply of HP-IP & LPT turbine received at site. Erection started on 22.10.11. ST box up already achieved. Oil flushing completed. TG is on Barring Gear. GRP pipeline rectification work started on 03.12.13 and its completion is expected by 15.01.14. Steam Dumping is expected on 20.01.14. ST synch. is expected on 25.01.14. Combined cycle commissioning is expected by 01/14. 5. There is no provision of by pass stack hence GTs can not run in open cycle.
	Block-I	351	07/10	09/10	10/13 (A)	01/14	
	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.302900 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	: Rs. 30767 Lakhs					
	Exp. During 13-14 (Upto 07/13)	: Rs.10467 Lakhs					
	Total CumulativeExp. (Upto 07/13)	:Rs.238327 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. Now the permanent rectification of GRP pipeline and completion of pending civil works is delaying the project.					

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		
			Comm	COD	Comm	COD	
2.	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 05/13. - EDTA completed in 05/13. - SBO completed on 09.07.13. - Condenser erection started in 02/12. - TG erection started in 3/12. - TG box up completed in 05/13. - TG oil flushing completed in 06/13. - TG on barring gear achieved on 09.07.13. - Synchronised (oil) on 31.08.13. - Coal fired on 30.09.13. - Full load achieved on 18.11.13. Unit-2 - Boiler Erection started in 12/10. - Drum lifted in 09/11. - HT completed on 30.11.12. - BLU expected in 01/14. - SBO completion by 03/14. - Condenser erection started on 28.09.12. - TG erection started on 31.12.12. - TG Box up expected in 02/14. - Oil Flushing expected in 03/14. - Syn expected in 04/14.
	Unit-1	600	06/12	06/12	11/13 (A)	01/14	
	Unit-2	600	10/12	10/12	06/14	09/14	
	State Govt. approval	: Accorded					
	Org Est. approved cost	: Rs.405300 lakhs					
	Latest Cost	: Rs.675000 lakhs					
	Exp. upto 03/07	: Rs 2405 lakhs					
	Exp.2007-08	: Rs 1708 lakhs					
	Exp. 2008-09	: Rs 17171 lakhs					
	Exp. 2009-10	: Rs 49245 lakhs					
	Exp. 2010-11	: Rs.113365 lakhs					
	Exp. 2011-12	: Rs 177382 lakhs					
	Exp. 2012-13	: Rs 148239 lakhs					
	Exp. 2013-14 (11/13)	: Rs 95241 lakhs					
	Cumulative Exp (Till 11/13)	: Rs.604758 lakhs					
	Type of fuel	: COAL					
	Land	: Available.					
	BOP on EPC basis	: M/s L&T on 26.10.09.					
	PPA	: With MPPMCL					
	Mega Power Status	: Obtained.					
	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	Readiness of LHS side milling system. U-2: Delay in AHP system. Man power shortage.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
	STATE SECTOR						
1.	SatpuraTPS Extn.(Sarni) (Dist. Betul) MPPGCL	500					Unit-10 - Boiler erection started on 08.04.10. - Drum lifted in 12/10. - Hyd test completed on 04.11.11. - 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. - COD achieved on 18.08.13. Unit-11 - Boiler erection started on 1/ 07/10. - Drum lifted in 2/11. - Hyd test completed on 30.04.12. - Non drainable HT on 19.06.13. - BLU done on 30.06.13. - SBO completed on 29.08.13. - Condenser erection started on 18.08.12. - TG erection started on 11/12. - TG boxed up in 05/13. - TG oil flushing completed in 08/13. - TG on barring gear achieved on 08.09.13. - Syn on 02.10.13. - Full load achieved on 25.12.13.
	Unit-10	250	02/12	03/12	03/13(A)	08/13(A)	
	Unit-11	250	04/12	05/12	12/13(A)	01/14	
	State Govt. approval	: Accorded on 29.06.06					
	Org Est. approved cost	: Rs. 235000 Lakhs					
	Latest Cost	: Rs.326500 Lakhs					
	Up to 03/2007	: Rs. 09 Lakhs					
	Exp.2007-08	: Rs. 15117 Lakhs					
	Exp. 2008-09	: Rs. 96 Lakhs					
	Exp. 2009-10	: Rs 10584 Lakhs					
	Exp. 2010-11	: Rs 57040 Lakhs					
	Exp. 2011-12	: Rs 83416 Lakhs					
	Exp. 2012-13	: Rs 79436Lakhs					
	Exp. 2013-14(up to 12/13)	: Rs 46071 Lakhs					
	Cumulative Exp Till 12/13.	: Rs 291769 lakhs					
	Zero Date	:27.02.09					
	Financial Closure	: 20% GoMP and 89% PFC					
	Type of fuel	: COAL(Linkage awaited) By WCL for 1.85 mtpa.					
	MOEF clearance	: 27.02.09 obtained.					
	SPCB Clearance	: Obtained on 06.09.11 from MPPCB.					
	Land	: Land available.					
	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					
	PPA	: Signed with MP Tradeco on 04.01.2011.					
	Date of Main Plant Order	: LOA placed on 31.03.08 on M/s BHEL (BTG)					
	Critical Areas						

BROAD STATUS OF THERMAL POWER PROJECTS IN MAHARASHTRA

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. Com.	Syn. Com.	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	<u>Unit-8</u> <u>Boiler</u> 1. Boiler erection started on 01.06.10. 2. Boiler HT (Drainable) completed on 05.06.12. 3. BLU is expected in 01/14. 4. EDTA is expected in 02/14. 5. SBO with normalization completion is expected in 03/14. 6. Oil synch. is expected in 03/14.. 7. Full load is expected in 03/14. <u>TG</u> 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 completed on 23.12.13. 5. TG oil flushing completion is expected in 02/14. 6. TG on BG is expected in 03/14. <u>Unit-9</u> <u>Boiler</u> 1. Boiler erection started on 05.01.11. 2. Boiler HT (Drainable) completed on 29.10.12. 3. BLU is expected in 07/14. 4. EDTA is expected in 08/14. 5. SBO completion is expected in 10/14. 6. Oil synch. is expected in 12/14. 7. Coal firing is expected in 01/15. 8. Full load is expected in 01/15. <u>TG</u> 1. Condenser erection started on 17.10.13. 2. TG erection started on 17.10.13. 3. TG box up is expected in 10/14. 4. TG oil flushing completion is expected in 11/14. 5. TG on BG is expected in 12/14.	
	Uni-9	500	07/12	09/12	12/14	01/15		
	Date of TEC		: Not Required					
	Approval by State Govt.		: 05.03.08					
	Est.Proj. cost.		: Rs. 550000 Lakhs					
	Latest Proj.cost		:Rs.649729 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		Rs: 50864 Lakhs					
	Exp. During 13-14 (upto 11/13)		Rs: 43603 Lakhs					
	Total Exp. (Upto -11/13)		: Rs 456485 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	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com m	Syn.	Comm.	
8.	Nasik TPP , Ph-I (Distt: Nasik) M/s Indiabulls Realtech.(For mermerly 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 normalization completed in 04/13. 7. Boiler lighted up for steam dumping on 22.12.13. 8. Steam dumping started on 22.12.13. 9. Rolling completed on 28.12.13. 10. Oil synch. is expected in 01/14. 1. Coal bunkering start is expected on 15.01.14. 2. Coal synch. is expected in 01/14. 13. Full load is expected in 01/14. 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 completed on 15.04.13. 5. TG on BG achieved on 31.05.13. 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 achieved on 27.11.13. 5. EDTA is expected in 01/14. 6. SBO completion is expected in 02/14. 7. Oil synch. is expected in 02/14. 8. Coal synch. is expected in 02/14. 9. Full load is expected in 03/14. TG 1. TG erection started on 25.12.11. 2. TG Box Up completed on 25.08.13. 3. TG oil flushing (C) is expected in 01/14. 4. TG on BG is expected in 02/14. 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 01/14. 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.
	Unit-1	270	12/11	02/12	11/13	01/14	
	Unit-2	270	02/12	04/12	02/14	03/14	
	Unit-3	270	04/12	06/12	09/14	11/14	
	Unit-4	270	06/12	08/12	12/14	01/15	
	Unit-5	270	08/12	10/12	01/15	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	:Rs. 144526 Lakhs					
	Exp. During 13-14 (upto 06/13)	:Rs32980 Lakhs					
	Total Exp.(Upto 06/13)	:Rs. 455455 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	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.
	Power Evacuation System: Through 400kV D/C quad Moose transmission line upto MSETCL sub-station at Bhabaleshwar.	Unit-4 Boiler 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 Punj Lloyd on 03.08.10. In all the BOPs work is in progress. 4. Readiness of second ATS line is expected by end 02/14.
	Unit-1	300	02/12	02/12	09/13 (A)	11/13 (A)	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.
	Unit-2	300	05/12	05/12	01/14	02/14	5. BLU achieved on 13.02.13. 6. EDTA completed on 09.03.13. 7. SBO completed on 02.04.13. 8. Rolling done in 07/13. 9. Oil synch. achieved on 02.09.13. 10. Coal firing achieved on 16.09.13. 11. Full load achieved on 03.11.13.
	Org.Est. cost	Rs.285000 lakhs					
	Latest Est. Cost	Rs.347900 lakhs					
	Exp. During 10-11	Rs 40800 lakh					
	Exp. During 11-12	Rs 118600 lakh					
	Exp. During 12-13	Rs 127900 lakh					
	Exp. During 13-14 (Upto 07/13)	Rs 25500 lakh					
	Total Expenditure(Upto 07/13)	Rs312800 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 Bhadravati 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.						
	TG 1. Condenser erection started 10.07.12. 2. TG erection started on 10.07.12. 3. TG oil flushing completion is expected in 12/13. 4. TG Box is completed on 15.10.13. 5. TG put on BG on 13.01.14.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
9.	EMCO Warora TPP, Ph-I &II , (Distt: Chandrapur) M/s EMCO Energy.Ltd (A wholly owned subsidiary of GMR Energy Ltd.)	600					1. All clearances are available. 2. Order for all the BOPs have already been placed. 3. M/s TCE Consulting Engineers, Bangalore are owner s engineers. 4. All the BOPs are progressing well. Unit-1 Boiler 1. Boiler erection started in 12/10. 2. Boiler Drum lifted in 05/11. 3. HT (Non-Drainable) completed in 01/12. 4. EDTA completed on 21.07.12. 5. BLU completed on 29.08.12. 6. SBO started on 02.10.12 and completed on 14.10.12. 7.Normalization completed. 8. Oil Synch. achieved on 10.12.12. 9. Coal bunkering started on 15.1.13. 10. Coal synch. achieved on 25.01.13. 11. Full load achieved on 07.02.13. 12. COD achieved on 19.03.13. TG 1. Condenser erection started on 18.07.11. 2. TG erection started on 12.12.11. 3. TG box up completed on 13.05.12. 4. TG oil flushing completed on 05.09.12. 5. TG put on BG on 15.09.12. Unit-2 Boiler 1. Boiler erection started in 02/11. 2. Drum lifting completed in 08/11. 3. Boiler HT (D) completed on 24.07.12. 4. EDTA completed on 28.03.13. 5. BLU completed on 03.04.13. 6. All Mills completed by 30.07.13. 7. SBO completion and normalization achieved in 07/13. 8. Oil synch. achieved on 06.08.13. 9. Coal firing done on 25.08.13. 10. AHP readiness achieved on 30.07.13. 11. Full load achieved on 27.08.13. 12. COD achieved on 01.09.13. 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 completed in 05/13. 5. TG put on BG on 15.05.13.
	Unit-1	300	09/11	11/11	12/12(A)	02/13(A)	
	Unit-2	300	12/11	02/12	08/13(A)	08/13(A)	
	Org.Est. cost		Rs.348000 lakhs				
	Latest Est.Cost		Rs.400000 lakhs				
	Exp. upto 03/10		Rs.30300 lakhs				
	Exp. During 10-11		Rs50600 Lakh				
	Exp. During 11-12		Rs.186000 Lakh				
	Exp. During 12-13		Rs.96700 Lakh				
	Exp. During 13-14 (Upto 06/13)		Rs.11500 Lakh				
	Total Exp.(upto 06/13)		Rs.375100Lakhs				
	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.					

2.	Tirora TPP ,Ph-II (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	660					Unit-1 Unit synchronization achieved on 24.05.13.Coal synch. achieved on 25.05.13. Full load achieved on 10.06.13.COD achieved on 14.06.13.
	Unit-1	660	09/11	10/11	05/13 (A)	06/13 (A)	
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.899300 Lakhs (Incl.cost of U-2&3also)					
	Latest Cost	:Rs.963500 lakhs(Incl.cost of U-2&3also)					
	Exp. upto 03/10	: Rs. 26822 Lakhs					
	Exp. During 10-11	: Rs. 96342Lakhs					
	Exp. During 11-12	: Rs. 358400Lakhs					
	Exp. During 12-13	: Rs. 195200Lakhs					
	Exp. During 13-14 (Upto 06/13)	: Rs. 60000Lakhs					
	Total Exp.(upto 06/13)	:Rs. 860000 Lakhs					
	Financial Closure	: Achieved on 18.09.09					
	Type of fuel	:Coal					
	Fuel Linkage	Imported Coal (very low Sulphur & Ash content)					
	Date of Main Plant Order (Boiler-Babcock, China) (TG-BSTG,China)	BTG Contract awarded to SCMEC China on 28.02.08					
	Zero date of the project	: 28.02.08					
	Power Evacuation System: Tirora- Warora 400kV D/C line						
	D/C Line	: Warora- Wardha 400 kV					
	Critical Areas	Adani is the owner of these lines and is expected to keep the commissioning of line matched with station though there is a forest clearance issue for 15 locations. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited					

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), Palavalasa village 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 completed for U-1 and that for U-2 is in progress. • CT: Not applicable due to once through cooling system. • CHP: RCC works in progress in track hopper and wagon tippler areas. SRC-1mechanical assembly completed and that for SRC-2 in progress. Structural erection of CH completed, floor casting is in progress. RHS mills erected • AHP: Ash slurry pedestal civil works, structural fabrication work for AHP in progress. BAH erected for U-1 and other works are in progress. • PT Plant: Desalination bldg work in progress. Clarified water tank slab work completed. Structural & equipment erection work is in progress. • DM Plant: Drain & cable trench civil works completed. Equipment erected and ready for charging. • CW System: CW piping work inside plant is in progress. Jetty work up to raw water pump house completed, piping is in progress and civil work for RWPH is in progress. • FO System: Erection of HFO and LDO tanks, pumps completed. Pipe erection work is in progress. • FPS: Brick work & plastering in progress. Inert gas piping is in progress. Equipment placed in position in FWPH. • Switchyard: Gantry work completed. Erection of insulator and conductor in progress. Erection of LA's, ACDB, DCDB, 220V & 48V Battery charger, cable termination and CBs in progress. 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 and other side is in progress. ID, FD and PA fans erected. • Drum: lifted on 10-01-12. HT conducted on 28-12-12. • BLU: expected in 01/14, Box Up: done on 21-09-13 • ESP: Collecting electrodes for A & B passes completed. Hoppers erected and ash pipe fitting work in progress. Internal alignment is in progress. • TG: Erection of condenser started on 03-03-12, that of TG on 25-07-12. Condenser water fill test is completed. LP boxed up. Alignment of CEP, MDBFP & generator completed. Erection of TDBFP is 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 28-03-13 • BLU: expected in 03/14, Bx Up: expected in 02/14 • ESP: All hoppers erected. Erection of huck bolt for electrodes completed Erection of transformers in progress Air leak test for pass 'A' completed. • TG: Erection of condenser started on 23-11-12 and that of TG on 04-03-13. HP and IP positioned. LP rotor placement is in progress.	
	Unit-2	520	05/13 06/13 08/13 09/13	06/13 09/13	03/14 03/14 04/14 06/14	04/14 07/14		
	Org. Est. Cost	:Rs 554500.00 Lakh						
	Latest Est. Cost	:Rs 554500.00 Lakh						
	Expenditure up to 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 11/13)	:Rs. 123749.00 Lakh						
	Total Expenditure Bank disbursement	: Rs. 4800.00 Crores : Rs. 3618.00 Crores						
	Zero date Financial closure	: 30.06.2010 :Achieved on 29 th June' 10 with a consortium of 14 Banks led by SBI (75:25 :: Debt: Equity)						
	Coal Linkage	: LOA issued by MCL for supply of 100% coal normative quantity to HNPCL for 2x520 MW TPP.						
	FSA	: Completed on 26-08-2013						
	Date of Main Plant Order:	EPC contract placed on BHEL on 30.03.10						
	PPA	400 kV Project – kalpakka D/C line is getting ready for start up and evacuation of power : 100% power to be sold to APGENCO. MOU signed with APDISCOMS.						
	Transmission System	: Applied to PGCIL on 30-07-10 PGCIL to develop ATS. LTOA application submitted to APTRANSCO on 21-10-2011.						
	Mega Status	: Provisional Mega Status is given						
	Critical Areas	• CHP, Inlet and outfall water system and availability of start up power are very critical. • RWPH and erection of pumps is critical.						

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / Anticipated			
			Syn. Com	COD	Syn. Com	COD		
2.	Thamminapathan TPP Ph-I (M/s Meenakshi Energy Pvt.Ltd.), Thaminapatnam 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	: Rs 142000 lakh						
	Latest Estd. Cost	: Rs 142000 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	Capa-city (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As Expected		
			Synch Comm	COD	Svn. Comm	COD	
	North Chennai TPS St-II TNEB (Distt. Thiruvallur) U-1	1200 600	 02/11 04/11	 05/11	 30/6/13 13/9/13	 11/13	- 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. Trial run of conveyor feeding coal to RHS mills of unit-I is over. Erection work in another stream conveyor is in progress. AHS- Vacuum pump – 6 Nos, Blower – 2 Nos and instrument air compressor- 2 nos were erected. ‘D’ pump for all the four passes has been erected. Leak testing and commissioning of Ash conveying pipe line from D pump to silo is in progress. In fly ash silo cable laying work is in progress. Erection of four nos. Bottom ash hopper completed. Erection of 1No. Scrapper Chain Conveyor completed. Erection of standby Scrapper Chain Conveyor is in progress. Intermediate conveyor trial run completed. Clinker grinder (2Nos.) erected and commissioning is in progress. In main transport conveyor, belt laying is in progress. CW System: Hot water channel works completed. Fore bay was charged. In Unit-I, 3 Nos. CW pumps were erected and erections 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. RO/DM plant: Order placed on 10.12.10 to Paramount. 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. 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 1st and 2nd stage SBO completed on 9.04.2013 and 30.04.13 respectively. The unit was synchronized on 30.06.13 @ 21.08Hrs by oil firing and loaded up to a maximum of 116MW. The unit was again lit up on 26.07.2013 for self PRDS flushing and safety valve floating purpose. Normalization of line in CRH and HRH is in progress after safety valve floating. MS and Drum safety valve floating will be done shortly. B stream fans were commissioned. Erections of A stream fans were completed and commissioning is in progress. Both side mills and bunkers were erected. The unit was commissioned on 13.09.13. TG & Condenser: Turbine insulation fully completed. MDBFP ready. TDBFP ‘B’- Lub oil line erection is in progress. TDBFP ‘A’ –feed water suction and discharge lines erection is in progress. 3 Nos. CEP has been erected and trial run over.
	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 - 144186 Lakh					
	Expd. during 2011-12	: Rs - 34840 Lakh					
	Expd. During 2012-13	: Rs - 23135 Lakh					
	Exp. During 2013-14 (up to 08/ 2013)	: Rs - 2715 Lakh					
	Cumm. Expend. (up to 08/ 2013)	: Rs - 204876 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: 2.31 MTPA coal linkage from Mahanadi Coal fields was approved vide LOA dt 23.03.07 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)-One ckt commissioned in 01/13 &balance 3 ckt are ready for commissioning. ii) NCTPS St-II – Sunguvachatram 400KV D/C line (70 Kms) . Balance work under progress. 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	
6.	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		02/14 03/14		Unit-1 a) Boiler erection started on 10.12.10. Boiler drum lifted on 05.08.11. Boiler Hydro test completed on 17.11.12. BLU achieved on 9.12.13. b) TG erection is started on 25.02.12. TG box up completed on 7.7.13. Unit-2 a) Boiler drum lifted on 27.12.11. Boiler hydro test conducted on 14.02.13. BLU expected in 02/14. b) TG Deck casting completed. Condenser erection started on 15.10.12 and TG erection expected to start on 15.7.13, Box up is expected in 02/14.
	U-2	600	04/12 06/12		05/14 06/14		
	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				
	Expenditure during 2012-13		₹. 140000 Lakhs				
	Expenditure during 2013-14		₹. 81900 Lakhs (upto 06/2013)				
	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. b) MOE&F clearance obtained on 05.02.2008. c) <u>Chimney</u> : Order placed on M/s Jiangsu Xinggang, China. Chimney completed. 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 reclaimer are in progress. 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 Declared Commercial w.e.f from 28.04.13. Unit-II: Unit synchronized on 9.7.13 and commissioned on 28.9.13. Unit Declared Commercial w.e.f from 12.11.13. Unit-III: Boiler drum lifted on 29.7.11. Hydro test is completed on 03.04.13. Boiler light up is completed on 20.11.13 and SBO completed on 25.11.13. TG box up completed on 25.4.13. TG put on barring gear. Unit synchronization is expected in Jan'14.
U-1	350	09/11 11/11		1/13(A)) 3/13(A))	04/03(A)		
U-2	350	11/11 12/11		7/13(A) 9/13(A)	11/03(A)		
U-3	350	01/12 02/12		01/14 02/14			
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					
Expenditure during 2013-14		₹. 34179 Lakhs (upto 6/2013)					
Type of fuel		Coal					
Fuel Linkage							
Order main plant		Boiler: Herbin China, TG: Dong Fang, China.					
Power Evacuation system							
Critical Areas							