



भारत सरकार विद्युत मंत्रालय

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

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

April - 2015



**ताप विद्युत परियोजना प्रबोधन प्रभाग केन्द्रीय विद्युत
प्राधिकरण नई दिल्ली**

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

FOREWORD

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

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

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

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

Place: New Delhi
Dated: 29th May, 2015

(Mam Chand)
Chief Engineer (TPM)

Disclaimer

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

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1.0 11TH PLAN CAPACITY ADDITION PROGRAMME

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

Thermal	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 (MW)

THERMAL	HYDRO	NUCLEAR	TOTAL
72340	10897	5300	88537

1.1 (A) THERMAL / HYDRO CAPACITY ADDITION DURING 12TH PLAN (MW)

YEAR	THERMAL	HYDRO	Total
2012-13	20121.80	501.00	20622.80
2013-14	16767.00	1058.00	17825.00
2014-15	20830.30	736.01	21566.31
2015-16 (Upto 30.04.2015)	600.00	365.00	965.00
Total	58319.1	2660.01	60979.11

2.0 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2007-2008

Sl No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Schedule	Actual date of Comm.	Cap. Added (MW)
A	CENTRAL SECTOR							
1	Bhilai TPP	Chhattisgarh / NTPC & SAIL JV	U-1 U-2	250 250	03/2009	04/2008 10/2008	Slipped	
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2004	06/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-4 U-5	500 500	12/2003	10/2007 04/2008	27.05.07(A) U-5 Slipped	500
4	Kahalgaon STPS-II (Ph-I & II)	Bihar/NTPC	U -6 U -7	500 500	07/2003 03/2004	09/2007 07/2007	16.03.08(A) U-7 slipped	500
5	Ratnagiri Gas Power Project	Mah. /Ratnagiri Gas & Power Pvt. Ltd.	Block-3	740	05/1999	01/2007	28.10.07(A)	740
6	Mejia TPS	West Bengal/DVC	U-6	250	06/2004	04/2007	01.10..07(A)	250
7	Chandrapura TPS Extn	Jharkhand / DVC	U- 7 U- 8	250 250	06/2004	02/2007 04/2007	Project Slipped	
		Sub Total (A)		4650				1990
B	STATE SECTOR							
1.	GHT (Lehra Mohabbat)TPS-II	Punjab/ PSEB	U-3 U-4	250 250	03/2004	10/2006 01/2007	03.01.08(A) U-4 Slipped	250
2.	Dholpur CCPP (Ph-I)	Rajasthan /RRVUNL	GT-2 ST	110 110	06/2004	07/2006 12/2006	16.06.07(A) 27.12.07(A)	110 110
3	Korba East TPP St-V	Chhattis./ CSEB	U-2	250	08/2003	06/2007	11.12.07(A)	250
4	Dhuvaran CCPP Extn.	Gujarat/GSECL	ST	40	03/2004	01/2006	13.08.07(A)	40
5	Kutch Lignite Extn	Gujarat/GSECL	U-4	75	01/2004	08/2006	Slipped	
6	Rayalaseema TPS-II	AP/APGENCO	U-4	210	12/2003	03/2007	20.11.07(A)	210
7	Bellary TPP	Karnataka/ KPCL	U-1	500	11/2003	12/2006	03.12.07(A)	500
8	Santalidih TPP	WB / WBPDC	U-5	250	07/2004	01/2007	07.11.07(A)	250
9	Sagardighi TPP	WB / WBPDC	U-1 U-2	300 300	07/2004	01/2007 04/2007	21.12.07(A) U-2 Slipped	300
10	Bakreshwar TPS-II	WB / WBPDC	U-4 U-5	210 210	11/2004	06/2007 09/2007	23.12.07(A) U-5 Slipped	210
11	Yamuna Nagar TPP	Haryana/HPGCL	U-1 U-2	300 300	09/2004	10/2007 01/2008	13.11.07(A) 29.03.08(A)	300 300
12	AmarkantakTPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	Slipped	
13	Valthur 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	Maharashtra/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

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 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 I		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/A ctual 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 I	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 Lignit 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

Sl 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 CCGP	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	WBPCL	U-6	23.03.07	250	08/2009		Slipped
25	Baramura GT Extn.	TSECL	U-5*		*		21	03.08.10(A)
			Total State		6012		2581	
C	PRIVATE SECTOR							
26	Konaseema CCGP	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# WBPDCCL	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 CAPP 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			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 CCPP	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		

3.1 Thermal Units Programmed for Commissioning During 2013-14							As on 31.03.14		
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
CENTRAL SECTOR									
Bihar	Barh STPP St-II	NTPC	4	03/08&10/08	BHEL	660	660	30/11/13	12/13
TN	Vallur TPP Ph-I	NTPC/ NTECL/ TNEB-JV	3	07/09	BHEL	500	500	28.02.2014	03/14
TN	Tuticorin TPP	NLC/ TNEB-JV	1	01/09	BHEL	500			03/14
Tripura	Tripura CCGT	ONGC JV	Blk-2	06/08	BHEL	363.3			09/13
UP	Rihand STPP St-III	NTPC	6	02/09	BHEL	500	500	7/10/2013	12/13
WB	Raghunathpur TPP	DVC	1	12/07	CHINA	600			03/14
			Total Central Sector			3123.3	1660		
STATE SECTOR									
Chhattisgarh	Marwa TPP	CSEB	1	04/08	BHEL	500	500	30.03.2014	09/13
Delhi	Pragati St-III CCGT	PPCL	GT-4	05/08	BHEL	250	250	7/5/2013	06/13
Delhi	Pragati St-III CCGT	PPCL	ST-2	05/08	BHEL	250	250	26.02.2014	09/13
Gujarat	Pipavav JV CCGT	GSECL	Block-1	12/07	BHEL	351	351	05/02/2013	09/13
MP	Shree Singaji TPP(Malwa TPP)	MPPGCL	1	12/08	BHEL	600	600	18/11/2013	06/13
MP	Satpura TPS Extn.	MPPGCL	11	03/08	BHEL	250	250	25/12/2013	10/13
Maha-rashtra	Chandrapur TPS Extn.	MAHAGENCO	8	07/08	BHEL	500			12/13
Rajasthan	Kalisindh TPP	RRVUNL	1	07/08	SEPCO, CHINA	600			12/13
Rajasthan	Chhabra TPS Extn.	RRVUNL	3	08/08	BHEL	250	250	14/09/13	06/13
Rajasthan	Chhabra TPS Extn.	RRVUNL	4	08/08	BHEL	250			01/14
Rajasthan	Ramgarh CCPP	RRVUNL	ST	08/09	BHEL	50			12/13
TN	North Chennai TPS Extn.	TNEB	1	08/08	BHEL	600	600	13/09/13	09/13
			Total –State Sector			4451	3051		
PRIVATE SECTOR									
AP	Vizag TPP	Hinduja	1	03/10	BHEL	520			03/14
AP	Thammina-patnam TPP	Meena-kshi Energy	2	08/09	Chinese	150	150	17/04/13	09/13
Chhattisgarh	Tamnar TPP	Jindal Power	1	12/08	BHEL	600	600	10.03.2014	03/14
Chhattisgarh	Vandana Vidyut TPP	Vandana Vidyut TPP	1	05/08	BOILER: CETHAR VESSELS LTD TG: CNAIC, CHINA	135			06/13
Chhattisgarh	DB Power TPP	DB Power Ltd	1	05/10	BHEL	600	600	23.02.2014	12/13
Chhattisgarh	Swastik Korba TPP	ACB	1	02/10	BOILER: IJT; TURBINE: SIEMENS	25			12/13
Chhattisgarh	Akaltara TPP	KSK Mahanadi	1	04/09	SEC,CHINA	600	600	13/08/13	09/13
MP	Sasan UMPP	Reliance Power	3	06/08	SEC, CHINA	660	660	30/5/13	05/13
MP	Sasan UMPP	Reliance Power	2	06/08	SEC, CHINA	660	660	18/12/13	09/13
Maha-rashtra	Nasik TPP Ph-I	India Bulls	1	11/09	BHEL	270	270	25.02.2014	09/13

Maha-rashtra	Dhariwal Infrastructure (P) Ltd.TPP	Dhariwal Infra-structure (P) Ltd.	1	04/10	SEC, CHINA	300	300	3/11/2013	06/13
Maha-rashtra	Dhariwal Infrastructure (P) Ltd.TPP	Dhariwal Infra-structure (P) Ltd.	2	04/10	SEC, CHINA	300			12/13
Maha-rashtra	EMCO Warora TPP	GMR EMCO Energy Ltd.	2	09/09	SEC, CHINA	300	300	27/08/2013	06/13
Maha-rashtra	Tirora TPP Ph-II	Adani Power	1	02/08	SCMEC, CHINA	660	660	10/6/2013	06/13
Orissa	Derang TPP	Jindal India Thermal Power	1	07/09	BHEL	600			12/13
Orissa	Kamalang TPP	GMR Energy	2	08/08	SEPCO III, CHINA	350	350	28/09/13	09/13
Punjab	Goindwal Sahib TPP	GVK Industries	1	02/09	BHEL	270			06/13
Punjab	Talwandi Sahib TPP	Sterlite	1	07/09	SEPCO I, CHINA	660			01/14
Total –Private Sector						7660	5150		
Total for during the year 2013-14						15234.3	9861		
Additional Capacity Commissioned									
Rajasthan	Kawai TPP	Adani Power Rajasthan Ltd.	1	04/10	Chinese		660	28/05/2013	
Tripura	Rokhia GT	Tripura State Electricity Corporation Ltd.)	9		BHEL		21	31/08/2013	
Rajasthan	Kawai TPP	Adani Power Rajasthan Ltd.	2	04/10	Chinese		660	24/12/2013	
MP	Niwari TPP	BLA Power Pvt.Ltd	1		Chinese		45	10/12/2013	
TN	Tuticorin Indbarath	Indbarath Ltd	2		Chinese		150	30/12/2013	
Punjab	Rajpura TPP	Nabha Power	1	Jul-10	L&T		700	24/01/2014	
Gujarat	Dgen CCPP	Torrent Power	Block-I	Jul-10	Siemens Germany		400	12/01/2014	
Maharashtra	Amaravati TPP Ph-I	India bulls Power Ltd	2	Nov-09	BHEL		270	17.02.2014	
AP	Simhapuri TPS Ph-II	Simhapuri Energy Pvt Ltd	3	Mar-10	Chinese		150	21.02.2014	
Gujarat	Dgen CCPP	Torrent Power	Block-3	Jul-10	Siemens Germany		400	09/03/2014	
Orissa	Kamalang TPP	GMR Energy	3	08/08	SEPCO III, CHINA		350	21/03/14	
Maha-rashtra	Tirora TPP Ph-II	Adani Power	2	02/08	SCMEC, CHINA		660	23/3/2014	
MP	Sasan UMPP	Reliance Power	4	06/08	SEC, CHINA		660	25/03/14	
Chhattisgarh	Tamnar TPP	Jindal Power	2	12/08	BHEL		600	30.03.2014	
Chhattisgarh	Chakabura TPP	ACBIL	1		Chinese		30	28.03.2014	
West Bengal	Durgapur TPS Extn	DPL	8		BHEL		250	31.03.2014	
Chhattisgarh	Avantha Bhandar TPP	KWPCL	1		BHEL		600	31.03.2014	
Maha-rashtra	Butibori TPP Ph-II	Vidarbha Industries Power Ltd	2		Chinese		300	31.03.2014	
Total Addl.Capacity							6906		
Total for the Year 2013-14							16767		

	BHEL	Chinese	Others	Total
Target	9234.3	5975	25	15234.3
Achievement	6181	3680	0	9861
Addl. Achievement	1741	3665	1500	6906
Total Achievement	7922	7345	1500	16767

3.2 RFD programme/Achievement for Thermal capacity addition for the year 2014-15

State	Project Name	Impl Agency	Equip. Supplier	Fuel	Unit No	LOA date	Targeted Cap. (MW)	Commnd. Cap. (MW)	Actual Comm. Date	At the beginning of the year
CENTRAL SECTOR										
Bihar	Barh STPP-II	NTPC	BHEL	Coal	U-5	SG:03/2008 TG:10/2008	660	660	04.03.2015	Feb-15
	Muzaffarpur TPS Exp	KBUNL (JV of NTPC & BSEB)	BHEL	Coal	U-3	03/2010	195	195	31.03.2015	Mar-15
TN	Tuticorin TPP	NTPL(JV of NLC & TANGEDCO)	BHEL	Coal	U-1	28.01.09	500	500	10.03.2015	Oct-14
			BHEL	Coal	U-2		500			Feb-15
Tripura	Palatana CCPP	OTPC (JV of ILFS, ONGC & Tripura Govt)	BHEL	Gas	BLK-2	23.06.08	363.3	363.3	16.11.2014	Aug-14
WB	Raghunathpur TPP, Ph-I	DVC	Chinese	Coal	U-1	14.12.2007	600	600	24.08.2014	Aug-14
Total Central Sector							2818.3	2318.3		
STATE SECTOR										
AP	Damodaram Sanjeevaiah TPP	APPDCL	Blr-BHEL TG- L&T	Coal	U-1	SG:08/2008 TG:09/2008	800	800	28.08.2014	Jun-14
					U-2		800	800	17.03.2015	Jan-15
Chhattisgarh	Marwa TPP	CSPGCL	BHEL	Coal	U-2	11.04.08	500			Dec-14
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	Coal	U-8	25.07.08	500	500	29.03.2015	Oct-14
	Koradi TPS Expn.	MSPGCL	L&T	Coal	U-8	23.09.09	660	660	30.03.2015	Oct-14
	Koradi TPS Expn.	MSPGCL	L&T	Coal	U-9		660			Jan-15
	Parli TPS Expn.	MSPGCL	BHEL	Coal	U-8	21.01.09	250			Nov-14
MP	Malwa TPP (Shree Singaji)	MPPGCL	BHEL	Coal	U-2	12.12.08	600	600	15.10.2014	Sep-14
Rajasthan	Kalisindh TPP	RRVUNL	Chinese	Coal	U-1	09.07.08	600	600	02.05.2014	Jun-14
	Kalisindh TPP		Chinese	Coal	U-2		600			Jan-15
	Ramgarh CCPP		BHEL	Gas	ST	18.08.09	50	50	01.05.2014	Jul-14
	Chhabra TPP		BHEL	Coal	U-4	20.08.08	250	250	30.06.2014	Jun-14
UP	Anpara-D TPS	UPRVUNL	BHEL	Coal	U-6	27.10.07	500			Mar-15
Total State Sector							6770	4260		
PRIVATE SECTOR										
AP	Painampuram TPP	Thermal Power Tech Corp.Ltd	Chinese	Coal	U-1	09/2010	660	660	07.02.2015	Dec-14
	Vizag TPP	Hinduja National Power Corp.Ltd	BHEL	Coal	U-1	03/2010	520			Oct-14
Chhattisgarh	Swastic Korba TPP	ACB India Ltd.	Blr:ISGE C India TG:Siemens India	Coal	U-1	29.03.10	25	25	31.03.2015	Nov-14
	Salora TPP	Vandana Vidyut Ltd	Chinese	Coal	U-1	11/2008	135	135	10.04.2014	Sep-14
	Bandakhar TPP	Maruti Clean coal	Chinese	Coal	U-1		300			Jan-15
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-3	30.11.09	270	270	29.01.2015	Oct-14
Maharashtra	Nasik TPP Ph-I	India Bulls Realtech	BHEL	Coal	U-2	24.11.09	270			Jul-14
Maharashtra	Dhariwal TPP	Dhariwal	Chinese	Coal	U-2	28.04.10	300	300	28.05.201	Jun-14

<i>tra</i>		Infrastructure Ltd							4	
<i>Orissa</i>	Derang TPP	JIPL	BHEL	Coal	U-1	26.07.09	600	600	10.05.2014	Jun-14
<i>Punjab</i>	Rajpura TPP (Nabha)	Nabha Power Ltd	L&T	Coal	U-2	16.07.10	700	700	06.07.2014	Jul-14
<i>Punjab</i>	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-1	18.07.09	660	660	17.06.2014	May-14
<i>Punjab</i>	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-2	18.07.09	660			Sep-14
<i>WB</i>	Haldia TPP	M/s Haldia Energy Ltd.	Chinese	Coal	U-1	14.09.11	300	300	14.01.2015	Dec-14
Total Private Sector							5400	3650		
Total target during 2014-15							14988.3	10228.3		

Additional Capacity Commissioned										
Gujarat	D gen CCGP	Torrent Power	Siemens Germany	gas	Block-II	02.07.2010		400	23.04.2014	
Gujarat	Dhuvaran CCGP	GSECL	Siemens Germany	gas	Unit 1			376.1	21.05.2014	
MP	Sasan UMPP	SPL	Chinese	Coal	4th Unit (Unit-1)			660	21.05.2014	
MP	Sasan UMPP	SPL	Chinese	Coal	Unit-5			660	24.08.2014	
Chhattisgarh	Akaltara TPP	KSK	Chinese	Coal	Unit-2			600	22.08.2014	
MP	Nigrie TPP	JPVL	L&T	Coal	Unit-1			660	29.08.2014	
Maharashtra	Tirora TPP Ph-II	Adani Power Maharashtra Pvt Ltd	Chinese	Coal	Unit-3	05.11.2009		660	25.09.2014	
TN	Mutiara TPP	Coastal Energen	Chinese	Coal	Unit-1	25.02.2009		600	02.12.2014	
Chhattisgarh	Tamnar TPP (Raigarh)	Jindal Power	BHEL	Coal	Unit-3			600	07.01.2015	
Orissa	Derang TPP	JIPL	BHEL	Coal	U-2			600	24.01.2015	
TN	Neyveli TPS Ph-II Exp	NLC	BHEL	Coal	U-2			250	24.01.2015	
WB	Haldia TPP	M/s Haldia Energy Ltd.	Chinese	Coal	U-2			300	16.02.2015	
MP	Nigrie TPP	JP Ventures Ltd	Non-BHEL	Coal	U-2			660	17.02.2015	
Chhattisgarh	Raikhera TPP	GMR	Chinese	Coal	U-1			685	27.02.2015	
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-4	30.11.09		270	04.03.2015	
AP	Simhapuri	Simhapuri Energy Pvt Ltd	Chinese	Coal	U-4			150	07.03.2015	
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-5	30.11.09		270	12.03.2015	
MP	Sasan UMPP	SPL	Chinese	Coal	Unit-6			660	19.03.2015	
Tripura	Agartala CCGP	NEEPCO	Thermax	gas	ST-2			25.5	22.03.2015	
Chhattisgarh	DB Power TPP	DB Power Ltd	BHEL	Coal	Unit-2			600	24.03.2015	
Chhattisgarh	Tamnar TPP (Raigarh)	Jindal Power	BHEL	Coal	Unit-4			600	26.03.2015	
Gujarat	Sikka TPP Extn	GSECL	BHEL	Coal	U-3			250	28.03.2015	
Tripura	Monarchak gas power project	NEEPCO	BHEL	Gas	GT			65.4	30.03.2015	
								10602		
								20830.3		

	BHEL	Chinese	Others(@)	Total
Target	6528.3	4815	3645	14988.3
Achievement	4648.3	3255	2325	10228.3
Addl. Achievement	3505.4	4975	2121.6	10602
Total Achievement	8153.7	8230	4446.6	20830.3
@ Others-Target includes 1600 MW capacity for which Boiler(s) is supplied by BHEL				

3.3 THERMAL CAPACITY ADDITION PROGRAMME (RFD FOR THE YEAR 2015-16)

State	Project Name	Impl Agency	Equipment Supplier	LOA Date	Unit No	Targeted Cap. (MW)	Commnd. Cap. (MW)	Actual Comm. Date	At the beginning of the year
<u>CENTRAL SECTOR</u>									
Assam	Bongaigaon TPP	NTPC	BHEL	05.02.08	U-1	250			Jun-15
Bihar	Muzafferpur	NTPC	BHEL	12.03.10	U-4	195			Feb-16
MP	Vindhyachal TPP-V	NTPC	BHEL	05/2012	U-13	500			Dec-15
Tripura	Agratala CCPP	NEEPCO	Thermax	12.09.12	ST-1	25.5			May-15
Tripura	Monarchak CCPP	NEEPCO	BHEL	23.07.10	ST	35.6			Aug-15
TN	Tuticorin TPP	NLC	BHEL	28.01.09	U-2	500			Jul-15
WB	Raghunathpur TPP, Ph-I	DVC	Chinese	14.12.07	U-2	600			Jan-16
		Total Central Sector				2106.1	0		
<u>STATE SECTOR</u>									
Chhattisgarh	Marwa TPP	CSPGCL	BHEL	11.04.08	U-4	500			Sep-15
Gujarat	Sikka TPS	GSECL	BHEL	10.05.07	U-4	250			Dec-15
Karnataka	Bellary TPS St-III	KPCL	BHEL	28.09.10	U-3	700			Dec-15
Karnataka	Yermarus TPP	KPCL	BHEL	09.04.10	U-1	800			Jan-16
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	25.07.08	U-9	500			Oct-15
Maharashtra	Koradi TPS Expn.	MSPGCL	L&T	23.09.09	U-9	660			Sep-15
Maharashtra	Koradi TPS Expn.	MSPGCL	L&T	23.09.09	U-10	660			Feb-16
Maharashtra	Parli TPS	MSPGCL	BHEL	20.01.09	U-8	250			Jan-16
Rajasthan	Kalisindh TPP	RVUNL	BGRES	09.07.08	U-2	600			May-15
Telangana	Singareni TPP	Singareni Collieries Co Ltd	BHEL	11.11.11	U-1	600			Jan-16
Telangana	Kakatiya TPS Extn.	T GENCO	BHEL	13.10.08	U-1	600			Dec-15
UP	Anpara-D TPS	UPRVUNL	BHEL	24.10.07	U- 6	500			Jun-15
UP	Anpara-D TPS	UPRVUNL	BHEL	24.10.07	U- 7	500			Dec-15
WB	Sagardighi TPS-Extn	West Bengal	BHEL	11.03.11	U-3	500			Sep-15
WB	Sagardighi TPS-Extn	West Bengal	BHEL	11.03.11	U-4	500			Jan-16
		Total State Sector				8120	0		
<u>PRIVATE SECTOR</u>									
AP	Painampuram TPP	Thermal Power Tech Corporation Ltd	Chinese	09/2010	U-2	660			Aug-15

AP	Vizag TPP	Hinduja National Power Corp. Ltd	BHEL	03/2010	U-1	520			Oct-15
Chhattisgarh	Bandakhar TPP	M/s Maruti Clean (Chhattisgarh) Ltd.	Chinese	07.06.11	U-1	300			Jun-15
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	Chinese	06/2009	U-1	360			Jun-15
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	Chinese	20.08.07	U-1	300			Jun-15
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	Chinese	20.08.07	U-2	300			Sep-15
Chhattisgarh	Raikheda TPP	GMR	Non-BHEL		U-2	685			Dec-15
Chhattisgarh	Salora	Vandana Vidyut	Chinese		U-2	135			Sep-15
Maharashtra	Nasik TPP Ph-I	Ratan India (Nasik) Power Ltd	BHEL	24.11.09	U-2	270			Jan-16
MP	Anuppur TPP Ph-I	MB Power(MP)	Chinese	15.11.10	U-1	600	600	20.04.2015	Jun-15
Orissa	Ind Bharat TPP (Orissa)	Ind. Barath	Chinese	16.05.09	U-1	350			Oct-15
Punjab	Talwandi Sabo TPP	Sterlite	Chinese	18.07.09	U-2	660			Jun-15
Punjab	Talwandi Sabo TPP	Sterlite	Chinese	18.07.09	U-3	660			Dec-15
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	BHEL	21.03.11	U-1	660			Sep-15
UP	Prayagraj (Bara) TPP	Prayagraj power Gen. Co. Ltd(J.P.Power Ventures)	BHEL	21.10.09	U-1	660			Oct-15
		Total Private Sector				7120	600		
	Grand Total 2015-16					17346.1	600		

4.0 TARGET/ACHIEVEMENT OF THERMAL CAPACITY ADDITION DURING 12TH PLAN

AS ON 28-May-2015

Sector State	Project Name	Impl. Agency	Main Equip.	Unit No.	Cap. (MW)	Cap (MW) Achieved	Actual Comm. Date
THERMAL PROJECTS TARGETED FOR COMMISSIONING DURING 12TH PLAN							
<u>CENTRAL SECTOR</u>							
Assam	Bongaigaon TPP	NTPC	BHEL	U-1	250	---	
				U-2	250	---	
				U-3	250	---	
Bihar	Barh STPP- I		OTHERS	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
	Barh STPP-II		BHEL	U-4	660	660	30-11-13
				U-5	660	660	04-03-15
	Muzaffarpur TPP Exp			U-3	195	195	31-03-15
				U-4	195	---	
	Nabi Nagar TPP			U-1	250	---	
				U-2	250	---	
				U-3	250	---	
				U-4	250	---	
Chhattisgarh			Sipat-I	OTHERS	U-3	660	660
Haryana	Indira Gandhi TPP	APCPL	BHEL	U-3	500	500	07-11-12
Jharkhand	BokaroTPS "A"Exp.	DVC		U-1	500	---	
	Koderma TPP			U-2	500	500	15-02-13
Maharashtra	Mouda TPP	NTPC		U-1	500	500	19-04-12
				U-2	500	500	29-03-13
MP	Vindhyachal TPP-IV			U-11	500	500	14-06-12
				U-12	500	500	22-03-13
TN	Neyveli TPS-II Exp.	NLC		U-2	250	250	24-01-15
	Tuticorin JV			U-1	500	500	10-03-15
				U-2	500	---	
	Vallur TPP Ph I	NTECL		U-2	500	500	28-02-13
	Vallur TPP-II			U-3	500	500	28-02-14
Tripura	Monarchak CCPP	NEEPCO		GT	65.4	65.4	30-03-15
				ST	35.6	---	
	Tripura Gas	OTPC		Module-1	363.3	363.3	03-01-13
				Module-2	363.3	363.3	16-11-14
UP	Rihand STPS- III	NTPC		U-5	500	500	25-05-12
				U-6	500	500	07-10-13
WB	Raghunathpur TPP, Ph-I	DVC	CHINESE	U-1	600	600	24-08-14
				U-2	600	---	
Sub Total :					14877.6	9317	
<u>STATE SECTOR</u>							
AP	Damodaram Sanjeevaiah TPS	APPDL	BHEL	U-1	800	800	28-08-14
				U-2	800	800	17-03-15
	Rayalseema St-IV U-6	APGENCO		U-6	600	---	
Assam	Namrup CCGT	APGCL		GT	70	---	
				ST	30	---	
Chhattisgarh		Korba West St-III.		CSPGCL	U-5	500	500
	Marwa TPP			U-1	500	500	30-03-14
				U-2	500	---	
Delhi	Pragati CCGT - III	PPCL		GT-3	250	250	27-06-12
				GT-4	250	250	07-05-13
				ST-2	250	250	26-02-14
Gujarat	Pipavav CCPP	GSECL		Block-1	351	351	05-02-14
				Block-2	351	351	27-03-13
	Sikka TPS Extn.			U-3	250	250	29-03-15
	Ukai TPP Extn.			U-6	500	500	05-03-13
Maharashtra	Chandrapur TPS	MSPGCL		U-8	500	500	29-03-15

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
Maharashtra	Koradi TPS Expn.	MSPGCL	NON-BHEL	U-8	660	660	30-03-15
	Parli TPS Expn.		BHEL	U-8	250	---	
MP	Malwa TPP (Shree Singa ji TPP)	MPGENCO		U-1	600	600	18-11-13
	Satpura TPS Extn	MPPGCL		U-2	600	600	15-10-14
				U-10	250	250	22-03-13
				U-11	250	250	25-12-13
Rajasthan	Chhabra TPS Extn	RRVUNL		U-3	250	250	14-09-13
				U-4	250	250	30-06-14
	Kalisindh TPP		CHINESE	U-1	600	600	02-05-14
	Ramgarh CCPP Extn. -III		BHEL	GT	110	110	20-03-13
				ST	50	50	01-05-14
TN	Mettur TPP Ext	TANGEDCO	CHINESE	U-1	600	600	11-10-12
	North Chennai Extn, U-2		BHEL	U-2	600	600	09-03-13
	North Chennai TPS Extn, U-1			U-1	600	600	13-09-13
UP	Anpara-D TPS	UPRVUNL		U- 6	500	---	
				U-7	500	---	
	Harduaganj Ext			U-9	250	250	25-05-12
	Parichha Extn			U-5	250	250	24-05-12
				U-6	250	250	11-03-13
Sub Total :					13922	11472	
<u>PRIVATE SECTOR</u>							
AP	Bhavanpadu TPP	M/s East Coast Energy Ltd.	CHINESE	U-1	660	---	
				U-2	660	---	
	NCC TPP	NCC Power Projects Ltd		U-1	660	---	
				U-2	660	---	
	Painampuram TPP	Thermal Power Tech Corporation Ltd		U-1	660	660	07-02-15
				U-2	660	---	
	Simhapuri Energy Pvt.Ltd	Madhucon Projects Ltd		U-2	150	150	02-07-12
	Ph-I						
	Thamminapatnam TPP-IMEenakshi Energy Pvt. Ltd			U-1	150	150	09-09-12
				U-2	150	150	17-04-13
	Thamminapatnam TPP-II			U-3	350	---	
				U-4	350	---	
	Vizag TPP	Hinduja National Power Corp. Ltd	BHEL	U-1	525	---	
				U-2	525	---	
Chhattisgarh		Akaltara (Naiyara) TPP	SKS Mahandi Power Company Ltd		CHINESE	U-1 (3rd)	600
				U-2 (4th)	600	600	22-08-14
				U-3(2nd)	600	---	
	Avantha Bhandar TPP, Korba West Power Co. Ltd.		BHEL	U-1	600	600	31-03-14
	U-1						
	Badadarha TPP	D.B. Power Ltd		U-1	600	600	23-02-14
				U-2	600	600	24-03-15
	Balco TPP	Bharat Aluminium Co. Ltd	CHINESE	U-1	300	---	
				U-2	300	---	
	Bandakhar TPP	M/s Maurti Clean Coal & Power Ltd		U-1	300	---	
	Bijkot TPP Phase-II	SKS Power Gen.(Chhattisgarh Ltd)		U-3	300	---	
	Binjkote TPP Phase-I	M/s SKS Power Generation (Chhattisgarh) Ltd.		U-1	300	---	
				U-2	300	---	
	Kasaipalli TPP	ACB India Ltd.		U-2	135	135	21-06-12
	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.		U-3	660	---	
				U-4	660	---	
	Nawapara TPP (TRN Energy TPP)	M/s TRN Energy Pvt. Ltd.		U-1	300	---	

<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>
Chhattisgarh		Nawapara TPP (TRN M/s TRN Energy Pvt. Ltd.			CHINESE	U-2	
300	---						
	Energy TPP)						
	Ratija TPP	Spectrum Coal & Power Ltd		U-1	50	50	04-02-13
	Salora TPP	M/s Vandana Vidyut		U-1	135	135	10-04-14
				U-2	135	---	
	Singhitarai TPP	Athena Chhattisgarh Power Ltd.		U-1	600	---	
	Swastic TPP	M/s ACB	NON-BHEL	U-1	25	25	31-03-15
	Tamnar TPP (Raigarh)	O.P.Jindal	BHEL	U-1	600	600	10-03-14
				U-2	600	600	30-03-14
	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-1	360	---	
				U-2	360	---	
				U-3	360	---	
Gujarat	Mundra UMPP	Tata Power Co.	OTHERS	U-2	800	800	25-07-12
	Salaya TPP	Essar Power Gujarat Ltd.	CHINESE	U-2	600	600	13-06-12
Haryana	Jajjar TPP (Mahatma Gandhi TPP)	CLP Power India Pvt. Ltd		U-2	660	660	11-04-12
Jharkhand	Mahadev Prasad TPP Ph-I	Adhunik Power Co.Ltd	BHEL	U-1	270	270	19-11-12
				U-2	270	270	29-03-13
	Mata shri Usha TPP-Ph-IM/s Corporate Power Ltd			U-1	270	---	
				U-2	270	---	
Maharashtra	Amravati TPP Ph-I	Ratan India Power Pvt Ltd.		U-1	270	270	25-03-13
				U-2	270	270	17-02-14
				U-3	270	270	29-01-15
				U-4	270	270	04-03-15
				U-5	270	270	12-03-15
	Bela TPP-I	IEPL		U-1	270	270	20-03-13
	Butibori TPP Ph-II	Vidarbha Industries Power	CHINESE	U-1	300	300	17-08-12
	Dhariwal Infracture TPP	Dhariwal Infracture (P) Ltd		U-1	300	300	03-11-13
				U-2	300	300	28-05-14
	EMCO Warora TPP	EMCO Energy Ltd.(GMR)		U-1	300	300	07-02-13
				U-2	300	300	27-08-13
	GEPL TPP	GEPL		U-1	60	60	08-09-12
				U-2	60	60	28-04-12
	Lanco Vidarbha TPP	Lanco Vidarbha		U-1	660	---	
				U-2	660	---	
	Nasik TPP Ph-I	Ratan India Nasik Power Pvt Ltd.	BHEL	U-1	270	270	25-02-14
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
	Tirora TPP Ph-I	Adani Power Ltd	CHINESE	U-1	660	660	11-09-12
				U-2	660	660	25-03-13
	Tirora TPP Ph-II			U-1	660	660	10-06-13
MP	Anuppur TPP Ph-I	MB Power MP		U-1	600	600	20-04-15
				U-2	600	---	
	Bina TPP	Bina Power Supply Co.	BHEL	U-1	250	250	12-08-12
				U-2	250	250	31-03-13
	Gorgi TPP (DB Power)	D.P Power (MP) Ltd		U-1	660	---	
	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-2	660	660	18-12-13
				U-3	660	660	30-05-13
Orissa	Seioni TPP Ph-I	Jhabua Power Ltd	BHEL	U-1	600	---	
	Derang TPP	JITPL		U-1	600	600	10-05-14
	Ind Bharat TPP (Orissa)	Ind. Bharat	CHINESE	U-1	350	---	
				U-2	350	---	
	Kamalanga TPP	GMR		U-1	350	350	28-03-13
				U-2	350	350	28-09-13
				U-3	350	350	21-03-14
	KVK Nilanchal TPP	KVK Nilachal		U-1	350	---	

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
Orissa	Lanco Babandh TPP	Lanco Babandh Power Ltd	CHINESE	U-1	660	---	
	Sterlite TPP	Sterlite Energy Ltd.		U-4	600	600	25-04-12
Punjab	Goindwal Sahib TPP	GVK Power	BHEL	U-1	270	---	
				U-2	270	---	
	Rajpura TPP (Nabha)	Nabha Power Ltd	NON-BHEL	U-1	700	700	24-01-14
				U-2	700	700	06-07-14
	Talwandi Sabo TPP	M/s Sterlite	CHINESE	U-1	660	660	17-06-14
				U-2	660	---	
				U-3	660	---	
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power		U-5	135	135	05-02-13
				U-6	135	135	03-03-13
TN	Tuticorin TPP (Ind-Barath TPP)	IBPIL		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	300	14-01-15
				U-2	300	300	16-02-15
<i>Sub Total :</i>					43540	21345	
<i>Total :</i>					72339.6	42134	
ADDITIONAL PROJECTS LIKELY TO BE COMMISSIONED DURING 12TH PLAN AND BEYOND							
<u>CENTRAL SECTOR</u>							
Bihar	New Nabi Nagar TPP	NTPC	NON-BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
Chhattisgarh				Lara STPP	U-1	800	

				U-2	800	---	
Jharkhand	North Karanpura TPP		BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
Karnataka	Kudgi STPP Ph-I		NON-BHEL	U-1	800	---	
				U-2	800	---	
				U-3	800	---	
Maharashtra	Mouda STPP-II		BHEL	U-3	660	---	
				U-4	660	---	
	Solapur STPP		NON-BHEL	U-1	660	---	
				U-2	660	---	
MP	Gadarwara STPP		BHEL	U-1	800	---	
				U-2	800	---	
	Khargone TPP		L&T	U-1	660	---	
				U-2	660	---	
Orissa	Vindhyachal TPP-V		BHEL	U-13	500	---	
	Darlipali STPP			U-1	800	---	
				U-2	800	---	
Tripura	Agartala CCPP	NEEPCO	Thermax	ST-1	25.5	---	
				ST-2	25.5	25.5	22-03-15
UP	Meja STPP	JV of NTPC & UPRVUNL	NON-BHEL	U-1	660	---	
				U-2	660	---	
	Tanda TPS -II	NTPC		U-1	660	---	
				U-2	660	---	
	Unchahar TPS St-IV		BHEL	U-6	500	---	
WB	Raghunathpur TPP Ph-II	DVC		U-1	660	---	
				U-2	660	---	
<i>Sub Total :</i>					20131	25.5	
<u>STATE SECTOR</u>							
Bihar	Barauni TPS Extn	BSEB	BHEL	U-1	250	---	
				U-2	250	---	
Gujarat	Bhavnagar CFBC TPP	Bhavnagar Energy		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	---	
	Dhuvaran CCPP-III	GSECL	OTHERS	Block-1	376.1	376.1	21-05-14
	Sikka TPS Extn.		BHEL	U-4	250	---	
Karnataka	Wankbori TPS Extn			U-8	800	---	
	Bellary TPP St-III	KPCL		U-3	700	---	
	Yermarus TPP			U-1	800	---	
				U-2	800	---	
Maharashtra	Chandrapur TPS	MSPGCL		U-9	500	---	
	Koradi TPS Expn.		NON-BHEL	U-10	660	---	
				U-9	660	---	
MP	Shree Singaji TPP Phase-II	MPGENCO	L&T	U-3	660	---	
				U-4	660	---	
Orissa	IB Valley TPP	OPGCL	BHEL	U-1	660	---	
				U-2	660	---	
Rajasthan	Chhabra Super Critical TPP.	RRVUNL		U-5	660	---	
				U-6	660	---	
	Kalisindh TPP		CHINESE	U-2	600	---	
	Suratgarh TPS		BHEL	U-7	660	---	
				U-8	660	---	
Telangana	Kakatiya TPS Extn	T GENCO		U-1	600	---	
	Singareni TPP	Singareni Collieries Co. Ltd		U-1	600	---	
				U-2	600	---	
TN	Ennore Super Critical TPP	TANGEDCO		U-1	660	---	
				U-2	660	---	
	Ennore TPP Expansion		OTHERS	U-1	660	---	
Tripura	Rokhia CCPP	Govt. of Tripura	BHEL	GT-9	21	21	31-08-13
WB	Durgapur TPS Extn U-8	DPL		U-8	250	250	31-03-14
	Sagardighi TPS-II	WBPDC		U-3	500	---	
				U-4	500	---	
Sub Total :					17477.1	647.1	
<u>PRIVATE SECTOR</u>							
AP	Simhapuri Energy Pvt Ltd Ph-II	Madhucon Projects Ltd.	CHINESE	U-3	150	150	21-02-14
				U-4	150	150	06-03-15
Bihar	Jas Infra TPP Ph-I	JICPL		U-1	660	---	
				U-2	660	---	
				U-3	660	---	
				U-4	660	---	
Chhattisgarh		Akaltara (Naiyara) TPP		KSK Mahandi Power		U-4 (5th)	
600	---	Company Ltd					
				U-5(1st)	600	---	
				U-6	600	---	
	Bijkot TPP Phase-II	SKS Power		U-4	300	---	
		Gen.(Chhattisgarh Ltd)					
	Chakabura TPP	ACB India	NON-BHEL	U-1	30	30	28-03-14
	Deveri TPP (Visa TPP)	Visa Power Ltd	BHEL	U-1	600	---	
	Raigarh						
	Raikheda TPP	GMR	NON-BHEL	U-1	685	685	27-02-15
				U-2	685	---	
	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	CHINESE	U-2	600	---	
	Tamnar TPP (Raigarh)	O.P.Jindal	BHEL	U-3	600	600	07-01-15
				U-4	600	600	28-03-15
	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-4	360	---	
Gujarat	DGEN Mega CCPP	Torrent Energy Ltd	OTHERS	Module-1	400	400	12-01-14
				Module-2	400	400	23-04-14
				Module-3	400	400	09-03-14
	Mundra UMPP	Tata Power Co.		U-3	800	800	16-10-12
				U-4	800	800	16-01-13

<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	Mundra UMPP	Tata Power Co.	OTHERS	U-5	800	800	18-03-13
	Unosugen Mega CCPP	Torrent Energy Ltd		Module-1	382.5	382.5	20-01-13
Jharkhand	Mata Shri Usha TPP-Ph-	Corporate Power Ltd	BHEL	U-3	270	---	
				U-4	270	---	
	Tori TPP	Essar Power	CHINESE	U-1	600	---	
				U-2	600	---	
Maharashtra	Amravati TPP Ph-II	Ratan India Power Pvt Ltd.	BHEL	U-1	270	---	
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
	Butibori TPP Ph-II	Vidarbha Industries Power	CHINESE	U-2	300	300	31-03-14
	Nasik TPP Ph-II	Ratan India Nasik Power Pvt Ltd.	BHEL	U-1	270	---	
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
	Tirora TPP Ph-II	Adani Power Ltd	CHINESE	U-2	660	660	23-03-14
				U-3	660	660	25-09-14
MP	Mahan TPP	Essar Power MP Ltd		U-1	600	600	24-02-13
				U-2	600	---	
	Nigri TPP	Jaiprakash Power Ventures Ltd	NON-BHEL	U-1	660	660	29-08-14
				U-2	660	660	17-02-15
	Niwari TPP	BLA Power Ltd		U-1	45	45	10-12-13
				U-2	45	---	
	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-1	660	660	21-05-14
				U-4	660	660	25-03-14
				U-5	660	660	24-08-14
				U-6	660	660	19-03-15
Orissa	Derang TPP	JITPL	BHEL	U-2	600	600	24-01-15
	KVK Nilanchal TPP	KVK Nilachal	CHINESE	U-2	350	---	
				U-3	350	---	
	Lanco Babandh TPP	Lanco Babandh Power Ltd		U-2	660	---	
	Malibrahmani TPP (Monnet Ispat)	MPCL	BHEL	U-1	525	---	
				U-2	525	---	
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power	CHINESE	U-7	135	135	16-03-13
				U-8	135	135	28-02-13
	Kawai TPP	Adani Power Ltd.		U-1	660	660	28-05-13
				U-2	660	660	24-12-13
TN	Melamaruthur TPP	Coastal Energen		U-1	600	600	02-12-14
				U-2	600	---	
	Tuticorin TPP-II(Ind barath)	Ind Barath		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 :		32572.5	15512.5	
			Total :		70180.6	16185.1	
			Over All Total:		142520.2	58319.1	

CENTRAL SECTOR

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

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	Reasons for delay
			Original		Actual(A) / As now Expected			
			Syn. Com	COD	Syn. Com	COD		
1.	Bongaigaon TPS, Distt: Kokrajhar. (Assam) NTPC	750					Main Plant Package (BPG) : Order placed on BHEL on 5-2-2008. Civil works order placed on SPMC on 31-3-2008. AHP order placed on McNelly Bharat on 25.6.2009. Chimney (Gammon): Raft concreting work completed in 2/10. CHP (McNelly Bharat) Order Placed on 20.01.2010. Unit-1: - Boiler Erection started on 27/02/2009. - Drum lifted on 25/01/2010. - Hydro test done in 01/2011. - BLU done in 29/11/14 & steam blowing completed on 01/04/15. - Ash water pump house ready on 14.06.14. - Mills&Bunker erection work is i/p. - Condenser erection started in 2/10. - TG erection started in 03/11 & boxed up in 01/15. Deck floating done.Turbine rolling & Synchronization in 05/15. Unit-2: - Boiler Erection started on 3/10 & Drum lifted in 10/10. - Hydro test done in 04/12. BLU expected in 12/15 & steam blowing completion by 01/16. - Condenser erection expected to start by 08/15 - TG erection expected to start in by 08/15 & Box up by 01/16. - Cooling Tower completed on 21.12.13. Synchronization by 3/16. Unit-3: - Boiler Erection started in 4/12. - Boiler drum lifted on 25/02/13 & HT done on 21/03/14. - BLU expected by 11/16. - Condenser erection expected to start by 01/16. - TG erection expected to start in by 01/16. TG box up expected in 11/16. Cooling Tower completed on 14.08.14. - Synchronization by 03/17.	- Slow progress on civil front by M/s SPML. - Law and order. - Inadequate deployment of manpower - Re-award of civil works for unit-2&3 to Punj Lloyd in 07/11. - Heavy rains. - Work has come to halt since 20th July, 2012 due to violence and mass exodus of labour from site. - Non acquisition of balance land for Railway siding. - Non availability of aggregate/ sand for civil works. - Delay in award of new civil contract for main plant & offsite civil works as both the civil agencies contract cancelled due to their poor performance. - Balance works package awarded to NBCC on 29/09/14 and to its sub agencies on 06/01/15.
U#1	250	<u>11/10</u> 01/11	-	<u>05/15</u> 06/15	06/15*			
U#2	250	<u>03/11</u> 05/11	-	<u>04/16</u> 06/16	2016-17			
U#3	250	<u>07/11</u> 09/11	-	<u>03/17</u> 04/17	2016-17			
Date of approval		: 30/01/2008						
Org.Est. cost		: Rs. 437535 Lakhs						
Latest cost		: Rs. 437535 Lakhs						
Exp. During 2007-08		: Rs. 23831 Lakhs						
Exp. During 2008-09		: Rs. 16046 lakhs						
Exp. During 2009-10		: Rs 70913 lakhs						
Exp. During 2010-11		: Rs 56300 lakhs						
Exp. During 2011-12		: Rs 137610 Lakhs						
Exp. During 2012-13		: Rs. 74900 Lakhs						
Exp. During 2013-14		Rs. 68500 Lakhs						
Exp. During 2014-15 (up to 2/15)		: Rs. 649100 Lakhs						
Cumulative Exp (Up to 2/15)		: Rs. 513800 lakhs						
Type of fuel		: Coal						
Date of Main Plant Order		: 05/02/08 , BHEL						
Coal Source and Transportation :		Source of Coal & Transportation: 2/3 of required Coal will be transported from Margarita- Makuma mines of NECL (Upper Assam). Rest 1/3 will be supplied by ECL mines in Raniganj area of West Bengal. Coal will be transported using Railway wagons by BOBR.						
Power Evacuation:		1. 400KV BTPS(NTPC)- Bongaigaon (PG) D/C Line 2. 220 KV BTPS(NTPC)- Bongaigaon (Assam) D/C Line						

*Finalized only after balance civil work packages are awarded.

Balance civil work order placed on NBCC on 29/09/14 and to its sub agencies on 06/01/15, work started at site.

*Finalized only after balance civil work packages are awarded.

Balance civil work order placed on NBCC on 29/09/14 and to its sub agencies on 06/01/15, work started at site.

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. com.	COD	Syn. com.	COD		
2.	Kanti TPS St-II (Kanti Bijlee Utpadan Nigam ltd a JV of NTPC & BSEB) (Dist: Muzaffarpur) Bihar	390					Unit-3: - Boiler erection in progress. - Boiler drum lifting completed in Mar' 12. - Boiler Hydro Test completed on 25th Feb' 13. - ST charged on 27.08.2014. Boiler light-up completed on 08.11.14. Steam blowing started on 24.01.15 and completed on 12.02.15. - Condenser erection started on 10th Dec' 12. Hot well assembly placed, side wall erection in progress. - TG erection started on 29th Jan' 13. TG box up is completed on 30.09.14. TG oil flushing completed in Mar' 15. - Synchronisation and full load achieved on 31.03.2015. Unit-4: - Boiler drum lifting completed on 12th Sept' 12. - Boiler Hydro Test completed on 05.08.13. - Boiler light-up expected by 06/15. - TG erection started on 30th Sept' 13. - TG box up expected by 08/15. BoPs: - Chimney: Flue can erection completed for both units. - FO System: All equipment erected & grouting done. Trestle from FOPH to C row completed. Piping work in progress. - CHP order placed on M/s Techpro Systems Ltd. In Dec' 12.Civil works like excavation, piling etc are i/p. - AHP: Bottom Ash Hopper erection completed. - IDCT-3: Hot water pipe header erected. Gear box and fan alignment completed. All 09 nos of fan stack completed. - CW system: 02 nos of CW pumps erected. Motor trial run completed. CW forebay and channel water filling in progress.	
	U-3	195	09/12 10/12	11/12	03/15(A) 03/15(A)	09/15		
	U-4	195	12/12 01/13	02/13	01/16 02/16	03/16		
	Date of Sanction	:-						
	Investment Approval	:-						
	Sanctioning Authority	: NTPC Board						
	Orig.Est. cost	: Rs 315433 lakhs						
	Latest.Est. Cost	: Rs 315433 lakhs						
	Exp.During							
	2010-11	: Rs 25635.00 lakhs						
	2011-12	: Rs 64839.00 lakhs						
	2012-13	: Rs 74423.00 lakhs						
	2013-14	: Rs 62237.00 lakhs						
2014-15 (up to Mar' 15)	: Rs 53806.00 lakhs							
Total Expenditure	: Rs 280761 lakhs							
Type of fuel	: Coal							
Fuel linkage								
Date of Main Plant Order (BTG)	03/2010 on BHEL							
Zero Date	: 12/03/2010							
Power Evacuation								
Critical Areas	Land Acquisition for Raw water pipe line, readiness of CHP and AHP.							

3.	Vindhyachal STPP St-V,Unit-13 (Dist. Sidhi) NTPC	500					Unit-13 Boiler - Boiler erection started on 28.06.13. - Drum lifted in 11/13. - HT completed on 21.08.2014. - BLU done on 23.04.15. TG - Condenser and TG erection started in 04/14. - Box Up completed on 25.01.2015. - Oil flushing completion by 06/15.
	Unit-13	500	<u>08/15</u> 08/15	10/15	<u>07/15</u> 08/15	10/15	
	State Govt. approval						
	Org Est. approved cost	: Rs. 318040 Lakhs					
	Latest Cost	: Rs. 318040 Lakhs					
	Exp. During 2012-13	: Rs. 27200 lakhs					
	2013-14	: Rs. 72500 lakhs					
	2014-15	: Rs. 74300 lakhs					
	Cum Exp(up to 03/15)	:Rs 174000 lakhs					
	MOEF clearance	Received in 05/12					
	Type of fuel	: Coal					
	Date of Main Plant Order	SG & Aux. awarded in 05/12 on M/s BHEL. TG &Aux awarded in 05/12 on M/s BHEL.					
	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 completed. 2) CISF deployed at site.
	Unit-1	600	09/10 10/10	11/10	03/14(A) 08/14(A)	07/15	Unit-I 1) Boiler erection started on 16.04.09. Drum lifting was completed on 29 th Jan, 10. HT completed in 30/09/11. 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(S)-22/01/14, SBO (Comp) -30/01/14. 2) TG Box Up completed on 10/5/12. Oil flushing completed on 19.07.2013. TG was put on Barring Gear on 27.09.13. Oil Syn done on 31/03/14. Full load achieved at 08.00 PM on 24.08.2014. Unit is under trial run operation for COD. 3) Mills & Feeders- 8 nos of milling system with feeder & bunkers ready. 4) Readiness of AHP Wet System – 08/14 and Dry System – 07/14.
	Unit-2	600	12/10 01/11	02/11	03/15 06/15	08/15	Trial run operation is in progress for COD.
	Investment approval. : 30.04.2007 (DVC Board)						
	Estimated cost : Rs.412200 lakhs						
	Revised approved Proj cost : Rs. 878130 lakhs						
	Exp. During 2006-07 : Rs 40.92 Lakhs						
	Cumul. Exp. 2006-07 : Rs 40.92 Lakhs						
	Exp. During 2007-08 : Rs 39579.08 Lakhs						
	Cumul. Exp. 2007-08 : Rs 39620.00 Lakhs						
	Exp. During 2008-09 : Rs 18920.00 Lakhs						
	Cumul. Exp. 2008-09 : Rs 58540.02 Lakhs						
	Exp. During 2009-10 : Rs 157420.00 Lakhs						
	Cumul. Exp. 2009-10 : Rs 215960.00 Lakhs						
	Exp. During 2010-11 : Rs 129272.00 Lakhs						
	Cumul. Exp. 2010-11 : Rs 345232.00 Lakhs						
	Exp. During 2011-12 : Rs 122170.00 Lakhs						
	Cumul. Exp. 2011-12 : Rs 467402.00 Lakhs)						
	Exp. During 2012-13 : Rs 77979.00 Lakhs						
	Cumul. Exp. 2012-13 : Rs 545381.00 Lakhs						
	Exp. During 2013-14 : Rs 82716.00 Lakhs						
	Cumul. Exp. 2013-14 : Rs. 628097.00 Lakhs						
	Exp. During 2014-15 : Rs 105403.00 Lakhs (up to 03/ 15) Prov						
	Cumul. Exp. 2014-15 : Rs. 733500.00 Lakhs (up to 03/ 15) 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						
	Power Evacuation System:						
	(i) S/C LILO of 400 KV Maithon (PG)-Ranchi (PG) D/C Line at RTPP-24 Ckm completed to meet the startup power of RTPP and evacuation of power from Unit-1.						
	(ii) 400 KV D/C RTPP- Ranchi (PG) Line 311 Ckm for the power evacuation line expected to complete by 08/14.						
	Fuel Supply Arrangement:						
	FSA signed for 1.76 MTPA Coal from BCCL& 2.133 MTPA from CCL for Unit-I& 2 on tapering basis and rest will be taken from the Saharpur-Jamarpani Coal block jointly allocated to 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 AGARTALA GAS BASED POWER PROJECT OF NEEPCO
(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.	Agartala Gas based Power Project ST-1 NEEPCO Tripura ST-2	25.5 25.5	05/13		06/15 10/02/15 22/03/15		• PPA signed with all beneficiaries is concluded. • MOE&F clearance obtained on 08/09/10. • SPCB clearance obtained on 21/12/10 • Civil aviation clearance obtained on 01/02/11. • Water availability lr. Dated 16.09.10. • HRSG HT completed. • Water treatment plant commissioned on 25-1-14. • Transformer and switchyard commissioned on 1.7.14. • ST-2 synchronized on 10/02/15 & re-synchronized on 17/02/15, reached a load of 11.4 MW. ST-2 commissioned on 22/03/03. • ST-1 synchronized on 31/03/2015 on part load with HRSG-II. • Balance erection work in HRSG-I is in progress & expected to be completed in 05/15.	
	Date of PIB Clearance	:23/07/2010						
	Date of CCEA Clearance	:23/02/2011						
	Org. Est. cost	: Rs. 29687 lakhs						
	Latest cost	: Rs. 38241 lakhs						
	Comm. Exp. up to 03/2010	:						
	Exp. During 2012-13	: Rs. 2211 lakhs						
	Exp. During 2013-14	: Rs. 15166 lakhs						
	Exp. During 2014-15	: Rs. 13575 lakhs						
	Exp. During 2015-16	: Rs. 217lakhs						
	Comm. Exp. Up to (04/15)	: Rs. 31169 lakhs						
	Financial closure	: N/A						
	Type of fuel	: Natural Gas(base fuel)						
	Fuel Source	: Not required for CC extension project						
	Date of Main Plant Order	: LOI on 12.09.2012 on M/s Thermax (EPC)						
	Zero date of the project	: 12.09.2012						
	Power Evacuation	: As per existing system i.e 132 Kv RC Nagar- Agartala line I & II and RC Nagar-Kumarhat						

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Reasons for Delay
			Original		Actual(A) / As of now Expected			
			Syn. comm	COD	Syn. comm	COD		
II	PROJECT UNDER CONSTRUCTION							
2.	Monarchak Gas based Power Project NEEPCO Tripura	101	05/13		08/15		- PPA signed with TSECL on 19/03/2008. - MOE&F clearance obtained on 14/02/2008. - SPCB clearance obtained on 18/10/2001 - Gas supply agreement with ONGC signed on 5/6./2008 - Availability of water from Gumti river received vide letter dated 4/8/2007. 194.94 acres of land for main plant certified by GoT vide Ir dt.16/7/2007. - Construction water & power arrangement made. 87/108 BOP packages already awarded. - Total 176nos HRSG modules, HP, IP & LP drums have been erected Hydraulic test completed on 16.03.15.. - STG reached site on 13.3.13 & placed over deck on 31.5.13. Most of the ODC equipments also reached site. - Erection of STG, HRSG & BFP etc. are in progress. Raw & clarified water pump house, HT switch gear, GTG station control and emergency DG set commissioned. - GT synchronized on 11/ 03/15. and achieved full load on 31.03.2015.	Heavy Monsoon: Delay in award of civil work and supply of material by BHEL. Delay in readiness of gas gathering station and supply pipeline. Delay in supply of balance material and completion of balance BoP works by BHEL / NBPPL. Current critical issue. Completion of gas pipe line erection work and supply of clean gas for the project by ONGC. Readiness of DM plant. Supply & erection of metering equipments by ONGC.
	GT	65.4	03/13		31/03/15 (A)			
	ST	35.6	07/13		08/15			
	Date of PIB Clearance		:23/07/2010					
	Date of CCEA Clearance		:23/02/2011					
	Org. Est. cost		:Rs. 62344 lakhs					
	Latest cost		: Rs.994.85 crores at Dec. 13 price level.					
	Comm. Exp. up to 03/2010		: Rs. 1414 lakhs					
	Exp. During 2010-11		: Rs. 4834 lakhs					
	Exp. During 2011-12		: Rs. 15806 lakhs					
	Exp. During 2012-13		: Rs. 29615 lakhs					
	Exp. During 2013-14		: Rs. 22886 lakhs					
	Exp. During 2014-15		: Rs. 13619 lakhs					
	Exp. During 2015-16		: Rs. 89822 lakhs					
	Comm.Exp.(Till 03/15)		: Rs. 89822 lakhs					
Financial closure		: N/A						
Type of fuel		: Natural Gas(base fuel)						
Fuel Source		:From ONGC basin through pipeline						
Date of Main Plant Order		:LOI on 23.07.2010 on M/s BHEL (EPC)						
Zero date of the project		: 23.07.2010						
Power Evacuation		: Agreement signed with TSECL on 18.09.2008 for setting up the ATS.						

NEYVELI LIGNITE CORPORATION

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As now Expected		
			Syn. Comm	COD	Syn. Comm	COD	
1.	Tuticorin TPP Joint Venture of TNEB and NLC (NTPL) Distt. Tuticorin, TN.	1000					102.265 hectares of Land is available on long term basis. - Sea water after treatment (11000 Cu M /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 from RECL. Chimney: Order placed on 29.01.10 (M/s Gammon). 269.5 m shell casting completed. Chimney is ready for use. NDCT: Order placed on 12-03-10 on M/s Gammon. Shells and hot water risers completed for both CTs. Both CTs are ready for use. CHP: order placed on 31.07.09 (M/S L&T). All system completed except minor civil works of LHS in Tripper area. Both side tripper are ready for operation. AHP: order placed on 08.04.10 (Energo). All five silos completed. Fluidizing pads erection is in progress. Ash pipe connection near intermediate silo and pipe laying from vacuum / compressor house to ISH under progress. Ash handling system for bottom ash is in progress and expected to be completed in June 2015. WTP: order placed on 23.07.10 on M/s Tecton ,UAE. All works completed and water is being clarified and in use. FOS: HFO/LDO tanks are filled with oil and are in service. Fuel oil pumps and pipe erection completed. The system is ready for use. CWS: order placed on 31.10.09 on KBL. CW channel and fore bay completed. Pipe laid for both units. CW pump house is completed is being used. RO/DM: All equipment installed and are in operation in manual mode. Cable erection is in progress for remote operation mode. FPS: LOA issued to M/s Mather & Platts. Roof slab is in progress MS pipe erection in power house. Switchyard: Order placed on 29-01-10 (M/s L&T). Erection of 400 kV GIS completed system charged and is ready for use. Unit-1 Blr: erection started on 03-11-10. Drum lifted on 29-09-11. 15160/15160 MT material erected by 11/14. FD-1A, PA-1A and ID-1A and mills trail run completed. Insulation and cladding work completed. HT: conducted on 28-09-12 / 09-10-13 BLU: completed on 19-03-14. EDTA completed on 10-04-14. SBO completed. Box up: completed on 23-10-13. ESP: 8914/9000 MT structural steel erected by 12/14. Collecting electrodes erected and VFD trial run taken. Ridge cap erection is in progress. TG: Condenser erection started on 10-07-12. TG erection started on 29-09-12. TG put on BG on 20-07-14. Steam dumping started on 14-02-15. Unit synchronized on 18-02-15. Full load achieved on 10-03-15. Unit-2 Blr: erection started on 15-12-10. Drum lifted on 22-09-11. HT conducted on 09-11-12. 14960/15200 MT material erected by 01/15. PA/FD/ID fans erection completed. Cladding and insulation is in progress. Piping for SBO is in progress. BLU: Boiler light up completed on 23-09-14. SBO completed on 28-02-15. Box up: completed on 11-04-14. ESP: 8959/9000 MT structural steel erected by 01/15. Hoppers erected. Ash piping works under progress. TG: Condenser erection started on 21-01-13 and that of TG on 29-04-13. TG oil flushing is completed on 05-12-14. Unit synchronized on 09-04-15. Safety valve floating will be done May 2015. Full load expected in June 2015.
	U-1	500	01/12 03/12	04/12	02/15(A) 03/15(A)	04/15	
	U-2	500	06/12 08/12	09/12	04/15(A) 05/15	06/15	
	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 660270 Lakh					
	Exp. during 2007-08	Rs 827 Lakh					
	Exp. during 2008-09	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	Rs. 106333 Lakh					
	Exp. during 2014-15	Rs. 92406 Lakh					
	Exp. during 2015-16 (up to 04/15)	Rs. 5948 Lakh					
	Total Expenditure	Rs 6115.57 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 system is ready					
Critical Issues		1. Placement of order for fire fighting equipment and inlet & outlet channels & structure of CW System delayed. 2. Delayed due to change in design of foundations (depth) of main plant area and finalization of civil contractors. 3. Availability of soft water is delayed due to non-completion of erection of HDPE pipes.					

STATE
&
PRIVATE
SECTOR

NORTHERN REGION

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							
1	Talwandi SABO.TPP Talwandhi Sabo Power Ltd. (Distt: MANSA)	1980					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 - Unit commissioned on 17.06.2014. Unit declared on commercial operation w.e.f. 5/07/2014. Unit- 2:- - Boiler Hydro test done on 11.03.2014. - Boiler light up completed on 26/ 11/2014. - SBO completed on 30/11/14. - TG erection started on 15/ 03/13. - TG boxed up on 30/05/2014. - TG oil flushing completed on 24/10/14. - TG put on BG on 29/10/14. - Synchronized on 25.01.15. Unit-3:- - Boiler insulation work is in progress. - Boiler Hydro test done on 28/ 05 / 2014. - BLU is expected by 6/15. - TG erection started on 08/04 / 2013. - TG boxed up on 30/ 05/2014. - TG oil flushing completed on 20.12.14. - TG put on Barring gear on 24.01.15
Unit-1	660	09/12 10/12	11/12	12/13(A) 06/14(A)	07/14(A)		
Unit-2	660	02/12 01/13	02/13	01/15(A) 06/15	06/15		
Unit-3	660	04/13 05/13	06/13	11/15 12/15	12/15		
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. 101287 Lakhs					
Exp. During 2010-11		: Rs. 64523 Lakhs					
Exp. During 2011-12		:Rs. 255071 Lakhs					
Exp. During 2012-13		:Rs. 193107 Lakhs					
Exp. During 2013-14		:Rs. 198488 Lakhs					
Exp. During 2014-15 (upto 03/15)		:Rs.132240 Lakhs					
Commulative Expd. (upto 03/15)		:Rs 944707 Lakhs					
Type of fuel		: Coal grade E/F					
Date of Main Plant Order		: 18.07.2009 (EPC) BTG+BOP on M/s SEPCO Electric Power Construction Corp'n, Jinan, Shandon, China.					
Boiler Make		: Harbin					
Turbine & Generator Make		: Dong Fang.					
Zero date		: 09.09.2009					
Fuel Linkage		: M/s Mahanadi coal-fields Ltd. Sambalpur have already issued 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) from MoC. 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

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: Erection work completed and CHP, ERH and SCR commissioned. U-1 commissioned. Mills erection for U-2 is in progress. BCN for U-2 is in progress. • AHP: Bottom ash disposal system is in progress. Erection of air handling system commissioned for U-1 and that for U-2 is under 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 is in progress for U-2. • FPS: Erection, testing and commissioning of FPS is in progress. • Switchyard: 220 kV and 400 kV switchyard work completed and charged.
	U-1	600	10/11 12/11	-	5/13(A) 5/14(A)	5/14(A)	
	U-2	600	01/12 03/12	-	2/15(A) 05/15	06/15	
	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		:Rs. 128789 lakh				
	Expenditure During 2014-15		:Rs. 17288 lakh				
	Expenditure During 2014-15 (up to April 2015)		:Rs. 49129 lakh				
	Total Expenditure		: Rs 9013.06 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		: ATS is already in service.				• Unit-1 • Boiler: erection started on 23.10.2009. Boiler drum lifted on 19.05.10. SBO completed on 26-03-13. Insulation work completed. • 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. Unit Synchronised on 30-05-13. Full load achieved on 02-05-2014. COD date is 07-05-14.
							Unit-2 • Boiler erection started on 26-03-10. Boiler drum lifted on 14-08-10. Insulation and cladding works are in progress. • Boiler HT: conducted on 15-12-11. • Boiler light up: done on 16-04-14. SBO completed in November 2014. • Box-up: TG boxed up on 28-10-14. • ESP: Air leak test is completed for all passes and insulation work is in progress. Testing and commissioning is in progress. • TG & condenser erection started on 25-.08-11. Generator placed in position. Oil flushing completed on 22-10-14. Unit Synchronised on 27th Feb 2015. HP bypass valve set. Control valve attended. Coal firing expected in May 2015 and full load in June 2015. Commissioning activities are in progress. Some problems are observed in generator rotor which is being attended.
	Critical Areas	• Control valve was not functioning properly which is now set for smooth functioning.					

BROAD STATUS OF THERMAL POWER PROJECTS IN UTTAR PRADESH

BROAD STATUS OF THERMAL POWER PROJECTS IN UPPIYARASH							
Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
1.	Anpara ‘D’TPS UPRVUNL (Distt. Sonebhadra)	1000					UNIT-6 Boiler - Boiler erection started on 02.08.2010 . - Boiler Drum lifted on 03.04.2011 . - Boiler hydro test done on 09/04/2013 . - Boiler light up completed on 18/12/14 . - SBO started on 17.02.15 . - SBO completed in 03/15 . TG - TG erection started on 15/ 03/2013 . - TG boxed up on 20.02.2014 . - Oil flushing started on 22.01.15 . - Oil flushing completed in 03/15 . - Synchronised on 31.03.15 . UNIT-7 Boiler - Boiler erection started on 02.11.2010 - Boiler Drum lifted on 05.12.2011 . - Boiler hydro test done on 03.07.2013 . - Boiler light up expected in 07/15. - SBO completion expected in 08/15. TG - Condenser erection started on 13.09.12 - TG erection started on 31.07.2013 . - TG Boxed up in 3/14 . - TG OF start expected in 06/15. - Syn. Expected in 09/15
	Unit-6	500	02/11 03/11	04/11	03/15(A) 06/15	07/15	
	Unit-7	500	05/11 06/11	07/11	11/15 12/15	12/15	
	Date of approval by State Govt.		27.09.2006				
	Financial closure		27.06.2008 with REC Debt- 70%, Equity- 30% by Govt. of UP				
	Est. approved cost		Rs. 535879 lakhs				
	Latest Est. Cost		Rs. 584302 lakhs				
	Exp. upto 2005-06		Rs. 11 . lakhs				
	Exp. upto 2006-07		Rs. 291 lakhs				
	Exp. upto 2007-08		Rs. 47113 lakhs				
	Exp. during 2008-09		Rs 4078 lakhs				
	Exp. during 2009-10		Rs 61512 lakhs				
	Exp. during 2010-11		Rs 127893 lakhs				
	Exp. during 2011-12		Rs 99362 lakhs				
	Exp. during 2012-13		Rs 61923 lakhs				
	Exp. during 2013-14		Rs 72981 lakhs				
	Exp. during 2014-15 (upto 03/15)		Rs 70399 lakhs				
	Commulative Exp. upto 03/15		Rs 545563 lakhs				
	Type of fuel		Coal				
	PPA		PPA signed with UPPCL on 26.05.2011 for 100% power purchase				
	MoEF clearance		Achieved on 18.9.07.				
	Fuel Linkage		Received for 1.77 MTPA of coal for one unit of 500 MW. For remaining quantity of coal applied to MOC				
	Date of main plant order		BHEL. (BTG) on 24.10.07				
	Zero date of the project.		13.01.08				
	Power Evacuation system		765 KV line inter -connection between Anpara ‘D’ TPS to Anpara ‘C’ TPS – Unnao line already charged with 400KV.				
		Critical Areas	Civil work for AHP, CW system and FO system are very slow (BHEL Scope). Man power deployment at site is inadequate. (BHEL scope). Fire fighting work is to be expedited by its Vendor.				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			<u>Syn.</u> Com.	COD	<u>Syn.</u> Com.	COD	
Private Sector							
1.	LALITPUR STPP M/s Lalitpur Power Generation Co. Ltd. (Distt.; Lalitpur)						Unit-1:- Boiler -Boiler erection started on 23.03.12. -HT conducted on 12.03.2014. -BLU done on 15.01.15. -SBO completed in 04/15. TG -Condenser erection started on 25.11.2013. -TG erection started on 15.12.2013 . -TG boxed up on 9/12/14. -Turbine oil flushing completed in 04/15. Syn. Expected in 05/15.
Unit-1	660	09/14 10/14	11/14	05/15 06/15	06/15		
Date of clearance by State Govt.	:						
Original/revised/Latest Est. Cost (Including 3 units)	:	Rs.1184800 Lakhs / 1211200 Lakhs/1729500 Lakhs					
Date of Financial Closure	:	Achieved on 24.08.2011. Loan agreement signed with SBI					
Exp. During 2009-10	:	Rs. 116 Lakhs					
Exp. During 2010-11	:	Rs 62784 Lakhs					
Exp. During 2011-12	:	Rs. 247400 Lakhs					
Exp. During 2012-13	:	Rs. 245000 Lakhs					
Exp. During 2013-14	:	Rs 306200 Lakhs					
Exp. During 2014-15	:	Rs 393125 Lakhs					
Exp. During 2015-16 (up to 04/15)	:	Rs 32100 Lakhs					
Commulative Expd. (04/15) (Including 3 units)	:	Rs 1286725 Lakhs					
Type of fuel	:	Coal					
Date of Main Plant Order/BoPs	:	21.03.2011 (BTG) on M/s BHEL : BOP's order has been placed on M/s Corbery Infrastructure PTE Ltd. (CIPL) Singapore on EPC basis on 17.03.2011.					
Zero date	:	21.03.2011					
Land	:	Total land has been acquired.					
PPA	:	Signed on 10.12.10.					
MoEF Clearance	:	Obtained in 03/11.EC on domestic coal for 2 nits have been obtained in 05/14.					
Fuel Linkage	:	Applied to MOC for 9.15 MTPA					
Associated Transmission System	:	765KV line to Bhoganipur, UPPCL Grid & Agra to be provided by UPPCL.					
Boiler make	:	Unit-1,2 & 3 : BHEL.					
Turbine & Generator make	:	Unit-1 : Siemens Unit-2 & 3 : BHEL					
Critical Areas	:	Boiler Insulation. ESP & Ducting insulation. Manpower shortage.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn. Com.	COD	Syn. Com.	COD	
Private Sector							
2	PRAYAGRAJ TPP M/s Prayagraj Power Generation Co. Ltd. (Distt. Bara, Allahabad)						Unit-1:- Boiler -Boiler erection started on 12.07.2011 . -Hydro test done on 24.10.2013 . -BLU done in 31.03.15 . -SBO start expected in 06/15. TG -Condenser erection started in 10/2012 . -TG erection started in 01/2013 . -TG boxed up in 02/2014 . -O/F completed in 03/15 . -Synchronisation expected in 07/15.
Unit-1	660	01/14 02/14	04/14	07/15 08/15	09/15		
Date of clearance by State Govt.	: Nov , 2006.						
Original/Latest Est. Cost (Including 3 units)	: Rs.1162227 Lakhs						
Date of Financial Closure	: Achieved on 06.07.2010 with SBI						
Exp. Upto 03/2011	:Rs.124478 Lakhs						
Exp. During 2011-12	:Rs.137691 Lakhs						
Exp. During 2012-13	:Rs.296958 Lakhs						
Exp. During 2013-14	:Rs 308897 Lakhs						
Exp. During 2014-15 (upto 01/15)	:Rs 219284 Lakhs						
Commulative Expd. (upto 01/15) (Including 3 units)	:Rs 1087308 Lakhs						
Type of fuel	: Coal						
Date of Main Plant Order	: 21.10.2009 (BTG) on M/s BHEL						
Boiler, TG & Generator make.	Blr U-1: Structure from BHEL, Pressure parts from Alstom, U- 2&3: From BHEL. TG & Gen U-1&2: From Siemens, U-3: From BHEL Hardwar.						
Zero date	23.02.2010.						
MoEF clearance	Obtained on 08.09.2009.						
PPA	: PPA signed on 21.11.2008.						
Land	: 1468 acres of land for the project is in physical possession. Land for the facilities outside the plant area is being acquired.						
Fuel Linkage	: Fuel supply agreement between PPGCL & NLC for 6.95 MTPA has been executed on 29.08.2013.						
Associated Transmission System	Power is proposed to be evacuated at 765 KV and 400 KV level for which 765KV and 400 KV switchyards are proposed. Responsibility of UPPCL & PPGCL. Work awarded to Isolux.						
Critical Areas	25.70 Ha out of 35 Ha of land for railway siding. 765 kV transmission line readiness.						

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.	
	State Sector						
1.	Marwa TPS (Dist: JanjgirChampa, CG) Chattisgarh)						1) Order issued to M/s BHEL for supply, erection, Testing & commissioning of BTG, Electrical and C&I of Rs. 1942 crores on 11.04.08 . Civil works associated in BTG package issued on BHEL on 31.12.08 . 2) MOE&F clearance obtained on 05.02.08. 3) Syn. of unit-1 is in 05/12 and COD is in 09/12 (45 months) and Syn. of unit-2 is in 07/12 and COD is in 11/12 (47 months).. 4) M/s Development Constructions Pvt.Ltd (DCPL, Kolkata) has appointed as consultants 5) NOC from AAI for new Chimney obtained on 12.05.09. 6) PPA: MOU executed with CSPDCL for sale of 100% power 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. Erection of steel flue can of unit-I completed and for unit-II erection Completed.All civil works including painting 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. 18653 MT of Boiler material erected. HT completed on 05.10.11. Non Drainable HT completed. BLU completed on 14.01.13. EDTA completed on 28.06.14. 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 20.12.13 and full achieved on 30.03.14 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. TG boxed-up. TG onBarring gear on 27.11.13. U-2: Boiler erection started on 24.04.10 Boiler drum lifted on 6.3.11. 11682 MT erected.. HT Completed on 06.09.12 (Drainable..BLU completed on 08.05.14. Boiler platforms erection, Mill bunker connection plate form erection U/P. Boiler insulation under progress. EDTA Cleaning completed on 28.06.14. SBO completed on 03.10.14. Unit Synchronized with oil on 31.03.15 and full load by 08/15. TG-2: TG deck completed. TG erection started on 18.10.11 MDBFP lub oil flushing completed. MDBFP trail run completed. MDBFP H/c with Motor trail run done. TDBFP 2A seal steam
	Unit-1	500	05/12	09/12	21.12.13 (A)	30.03.14 (A) 05/15	
	Unit-2	500	07/12	11/12	30.03.15 (A)	08/15 08/15	
	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.97910 lakhs					
	Exp During 11-12	Rs 143458 Lakhs					
	Exp During 12-13	Rs 130726 lakhs					
	Exp During 13-14	Rs 113769 lakhs					
	Exp During 14-15	Rs. 96421 lakhs					
	Exp During 15-16 (Up to 04/15)	Rs. 21155 lakhs					
	Total Cumm. Exp. (up to 04/15)	Rs. 693011 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	piping U/P. TDBFP 2B lube oil & Governing oil piping U/P. Control fluid oil flushing started. TG lub oil flushing completed. Generator stator lifting work completed. TG boxed –up in 07/14 . TG put on Barring gear on 16.01.15. LOI issued for other BOPs through ICB route on M/s BGR on 25.08.09. 9) 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. 10) 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 up to 170/170 m completed. Basin raft, gutter raft, grillage column u/p. No front is available for mechanical work in NDCT-2. PVC pipe erection work U/P. 11) 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. 12) 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.. Ash silo No 4 , 49.427 m & silo No. 3, 49.277 m , silo.No.2 up to deck slab of 24. 06 m completed and silo No.1 , shell ready for casting. HCSD pump house except flooring & doorfixing completed. AHP is critical: MCC room of AHP, Vacuum pump house, Ash slurry pump house etc. 13) Switch Yard: 220Kv Switch yard : Charged. 400 Kv : 68 Tower foundation work completed. & equipment foundation work 530 completed and 68 Tower & 51 No Gantry erected Tower structure & equipment structure work 250 completed.. Supply of material started by BHEL. About 12245509.6458 MT boiler material, 19582.1914 MT of ESP material and 19068.23667 MT of Turbo generator material was received at site as on 30.04.15
Financial Tie -Up	10% from own sources and 90 % from PFC. PFC sanctioned loan on 31.03.08.	
Power Purchase Agreement	MoU has been signed with CSPDCL for sale of 100% power.	
FSA	LOA received for taper linkage from SECL for 4.62 mtpa on 12.09.08. Coal linkage should be revised to minimum 5.00 mtpa Latest Status: Unit synchronised on 20.12.13. CHP expected to complete by 20.03.2014. AHP contingency arrangement has been made ready except some portion of disposal line. Consent to operate and factory license are yet to be obtained. 250 MT (approximate) coal reached at site.	

Critical Areas: Latest: 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 by 02/14 etc.,) and Law & Order Problems, pilferage of material etc. BGR's slow progress in CHP,AHP, 400 kV switch yard , ETP and for U-2 ,Bottom ash hopper , conveyor gallery between Boiler &ESP, NDCT Common Issues: Deployment of adequate manpower, T&P by BGR BHEL side –recoupment of loaned & lost material. DC Motor for jack oil pump is not available. Hydrogen generation plant has not been commissioned till date by BHEL	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 28.06.14 Delay in completion of BOP facilities mainly Coal Handling Plant &Ash Handling plant. Delay in construction of Railway infrastructure for transportation of coal from Naila yard to project site. Delay in completion of Chimney, Mills & feeders, Hydrogen Generation Plant by BTG vendor.
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Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm COD	
	Private Sector						
1	Bandakhar TPP Maruti Clean Coal &Power Ltd Distt.- Korba , Chhattisgarh	1x300					Power Purchase agreement signed with CSPTCL for 104 MW and 171 MW on Merchant basis and 25MW auxiliary consumption. PPA as per letter dated 13.01.14, Signed back to back PPA with PTC for supply of 250 MW power to RVPNL on 01.11.13 and 5% of net power i.e 15 MW with CSRPCo. Ltd on 09.12.13.
	Unit-1	300	11/12	12/12	17.04.15 (A)	06/15	
	Date of TEC	Not Required					Coal Linkage /FSA: LOA received for 1.3003 Million Tones per Annum from SLC(LT). LOA issued from SECL on 26.10.10.
	Date of Appr. State Govt. MOE&F	Obtained					FSA signed with M/s SECL on 28.08.13.
	Est. approved cost	Rs. 145640 lakhs					3.09 MCM Water allocated from WRD, GoCG on 05.10.11
	Exp. During 2009-10	Rs 391 lakhs					Total Land required/ Land possession – 427.83 ares/408.43
	Exp. During 2010-11	Rs. 6400 lakhs					acres in position (343.04 Govt land +84.83 Pvt. Land) remaining
	Exp. During 2011-12	Rs. 20504 lakhs					19.44 acres of land is tribe land. Applied for acquisition to
	Exp. During 2012-13	Rs. 57205 lakhs					GoCG. Section –IX notice issued on 16.01.12.
	Exp. During 2013-14	Rs.39351.7 lakhs					Environment Clearance obtained on 12.05.10. Consent to
	Exp. During 2014-15(Up to 12/14)	Rs. 27448.3 lakhs					establish granted by State pollution control board on 02.11.11 .
	Cum.Exp. up to 12/14	Rs 151300 lakhs					Civil Aviation clearance from AAI obtained.
	Financial Closure	Achieved 14.01.11					EPC contract on M/s IOT Infrastructure & Energy Services Ltd. On 07.06.2011 and BTG on M/s China Western Power Industries Co. Ltd. (CWPC) on 07.06.11
	Zero date	07.06.2011					
	Type of fuel	COAL					Boiler & ESP foundations ready for erection. Boiler erection started in 27.05.12. Boiler drum lifted on 06.01.13 .
	Date of Main Plant Order	BTG on M/s China Western Power Industries Co. Ltd. (CWPC) on 07.06.11. Boiler: China Western Power Industries Co. Ltd (CWPC), China TG: Beijing Beizhong Steam Turbine Generator Co. Ltd. China					9491/19989 nos welding joints completed. Balance U/P. Pressure parts erection completed. HT completed on 30.07.13, Non-drainable HT completed on 09.04.14 and Chemical cleaning completed on 19.08.14. BLU completed on 22.09.14. SBO completed & Oil Syn. Completed on 17.04.15 and unit achieved 94.5 MW load on 01.05.15. Re synchronization expected in 05/15 and full load expected in 06/15.
	FSA	FSA signed with M/s SECL on 28.08.13.					Power House Building: Foundation work completed. Structural work completed.
	Power evacuation System	BPTA Signed with PGCIL on 24.02.10 for open access and bank guarantee submitted to PGCIL on 23.04.10.					FD and PA fan erection completed. AHP erection completed.
	Power Transmission line	Transmission line being constructed by M/s ACB(India) ltd from Kasaipali, Korba to 400 kV pooling substation of PGCIL at Barari(Bilaspur) which is under construction. .					Cable tray, cable shaft erection and cable laying work U/P. ESP: Hopper erection, side casing work and inlet hood erection, erection of electrodes & Transformer completed. Insulation,cable tray & cable laying erection U/P. .
	Critical Areas	Delay in start of civil works. Works suffered due to financial problem. Delay in readiness of CHP & AHP and problem in generator stator.					Mill & Bunker: Erection of gear box and motor of mill completed, grouting work U/P. TG: TG deck casting completed on 23.12.12.Turbine erection started on 25.01.13. Gen. stator reached at site. Stator lifted and placed on foundation. HP & LP heaters completed. 3 Nos of BFP erection, TEB & CEP erection and Deaerator erection completed. Critical piping work, coal piping and boiler feed water piping work UP. TG boxed up on 22.02.14 and oil flushing completed on 14.11.14 . CHP: Stacker and Re claimer foundation work completed, 95% mechanical erection work completed. Electrical work Under progress. <u>Conveying System:</u> foundations completed. Fabrication of steel structure completed. Technological structure (Idler, pully) erection work U/P. Sheetting work completed in 5/6 conveyors, balance under progress. <u>Crusher House:</u> All foundations completed. structure erection completed. Erection of Crushers and Screens is under progress. CHP Control Room: Erection of equipments under progress Electrical panel erection under progress. AHP: Bottom ash silo shell concreting completed. Boiler bottom ash foundation completed. Erection under progress. Fly ash silo shell concreting completed. Balance work U/P .Utility building work U/P. Structural fabrication for intermediate silo and hopper completed, erection under progress. Air Cooled Condenser: Civil works completed. Steam duct fabrication work U/P. Erection of A-Frame (1215 MT tube support structure –erection completed. All tube bundles erection

completed. Steam duct fabrication and erection work U/P. Gear boxes , Motors erection U/P.

CW System : For steam condensation, air cooled condenser will be used. For auxiliary cooling, CW system with pumps ordered to M/s Paharpur cooling towers Ltd. Kolkata. All civil & erection work Completed. IDCT erection and ACW piping erection completed..

Chimney: Chimney Raft : Excavation, PCC &RCC and shell concrete work completed. Fabrication of 185m flue can completed. Flue can support structure erection work under progress 195 m flue can erection completed..

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Act.(A) / Ant.			
			Syn.	Comm	Syn.	Comm COD		
2	Balco TPS Distt. Korba) M/s Balco	1200				Comm. COD	a) Implementation agreement signed b) All statutory clearances received. c) Coal linkage application is in advance stage. d) Water allocation on 18.10.07. e) The Taraimar (Durgapur-II) Coal block in Chhattisgarh allotted.	
	Unit-1	300	07/10	09/10	05/12(A)	06/15 XX	f) Chimney for units 1 & 2 , 100% completed for U-2 and 82% completed for U-1 g) Chimney for unit-3 & 4 : Shell construction under progress..	
	Unit-2	300	02//10	04/10	9/11(A)	09/15 XX	h) CHP: 100% completed for U-2 and 83% completed for U-1. 83% completed for U-3 and 80% for U-4.	
	Unit-3	300	03//10	06/10	05/12		i) AHP: 100% completed for U-2 and 94% completed for U-1. 55% completed for U-3 and 50% for U-4.	
	Unit-4	300	09/10	12/10	07/12		j) Cooling tower: For unit-2 ,100% and for unit-1 50% of civil work completed. and will be ready by 15.05.11. For Unit-3 & 4 excavation work started. Overall 37% work completed.	
	Date of TEC		: Not Required					k) Main power house Civil works for all 4 units 100% completed and structural work for 2 units 100% completed. Unit-2: Drum lifted on 09.05.09. HT completed on 15.09.10..BLU completed on 25.05.11. Acid cleaning on 05.07.11. Steam blowing completed on 14.08.11. Unit synchronized with oil on 06.09.11. Re synchronizationed in 05/15, Coal firing exp. In 05/15 and Full load expected in 06/15 Turbine: TG erection started on 12.02.10. Turbine box up Completed on 20.10.10. Oil flushing completed. Unit:1 : All major foundations completed 97% of civil works completed. All major equipments received at site. Drum lifted on 14.05.10. HT completed on 14.10.11. BLU completed on 10.04.12. Steam blowing completed on 25.04.12. Unit Synchronized on 22.05.12. Re synchronization expected in.7/15. coal firing expected in 08/15 and Full load expected in 09/15 TG: TG erection started on 25.07.10. Turbine box up completed on 10.10.11. Oil flushing completed. Unit:3 : Boiler: Drum lifted on 31.05.09. HT completed on 06.01.11. All fans & mill foundations completed. joints welding completed. BLU completed on 24.02.13, Steam blowing completed on 28.02.13. Unit synchronization expected in 09/14. Coal firing exp. In 10/14 and full load exp. In 10/14. TG erection started on 12.06.10.TG erection completed. TG boxed up on 30.05.11. Unit-4: Drum lifted on 30.03.10. 30% of civil works , 90% boiler erection and 36 % TG erection completed. HT completed on 19.04.12. BLU completed on 15.08.13, Syn . exp. In 01/15., Coal firing exp. In 02/15 and full load exp. In 02/15 TG erection started on 15.03.11 and TG Box-up completed on 30.01.13.
	Date of Approval by State Govt.		:					
	Est. approved cost		: Rs 465000 lakhs					
	Latest Cost 25% increase		: Rs. 582250 lakhs					
	Expenditure 2007-08		: Rs. 41710.5 lakhs					
	Expenditure 2008-09		: Rs. 80073 Lakhs					
	Expenditure 2009-10		:Rs . 73610 Lakhs					
	Expenditure 2010-11		:Rs . 78120 Lakhs					
	Expenditure 2011-12		:Rs . 41330 Lakhs					
	Expenditure 2012-13		:Rs . 32876 Lakhs					
	Expenditure 2013-14		:Rs 18380 Lakhs					
	Expenditure 2014-15 (Up to 01/15)		:Rs 30400 Lakhs					
	Cumm. Exp. (up to 01/15)		:Rs 396500 Lakhs					
	Financial Closure		: 08/2011 for U-1 & 2					
	Zero date		: 01.11.07					
	Type of fuel		: COAL					
	Date of Main Plant Order		:SEPCO electric Power Construction Corporation on 20.08.07 on EPC basis.					
	Power Evacuation		:					
	PPA: As per letter dated 14.01.14: 100MW with Tamil Nadu (TANGEDCO) starting from 01.02.14 to 30.09.28, 100MW with Tamil Nadu (TANGEDCO) starting from 01.06.14 to 30.09.28 and 100MW with Kerala (CSPTrdCL) starting from 01.03.14 to 28.02.17. PPA signed with CSTrading Compy. Ltd for 5% net power (2x300MW) = 30 MW							

Critical Areas	The issue E Visa to the SEPCO/OEMs persons is an issue and has delayed the activities like back charging, TG box up commissioning activities of critical equipments. CEA recommended to MOC for allotting 50,000 MT of coal. Project Authorities requested CEA for another 1,00,000 Tonnes of coal. Collapse of Chimney, Project was delayed due to non availability of consent to operation from the state Government. XX- Commissioning schedule will be decided after obtaining consent to operation from the State Government.
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Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn.	Com.	Syn.	Com.		
3	Raikheda TPP, (Distt: Raipur) M/s GMR Chhattisgarh Energy Ltd.	1370					1.All clearances are available:- MOEF clearance obtained on 09.05.11 with Imported coal. Consent to establish obtained from CECB on 13.06.11. 100% land acquisition completed. 36 MCM water allocation has been received from WRD , GoC in July,09. Chimney height clearance received from AAI on 08.10.09. 2. Provisional Mega Power Status granted from MOP on 08.09.11. 3. Main Plant EPC Contractor – M/s Doosan Power System India. NTP issued on 22.01.10 4. The order for main plant civil & structural work and all the BOPs on EPC basis have already been placed on M/s BGR Energy Systems Ltd. on 09.06.11. The EPC contract covers all the onshore supplies, civil works, erection and commissioning of the project. <u>Unit-1 Boiler</u> 1. Boiler erection started on 09.11.11 2. Boiler ceiling girder lifted on 11.04.12 3. Boiler HT completed on 27.03.13. 4. BLU completed on 29.04.14 5. SBO completed on 13.08.14. 6. Oil Synch. Completed on 02.10.14 7. Coal Firing completed on 02.11.14. 8. Full load achieved on 27.02.15. <u>TG</u> 1. TG deck casting completed on 10.05.12. 2. TG erection started on 13.08.12. 3. TG Boxed up on 21.03.14. 4. TG oil flushing completed on 25.04.14. 5. TG on BG done on 12.06.14 <u>Unit-2 Boiler</u> 1. Boiler erection started on 03.04.12 and boiler structural erection is in progress. 2. Boiler ceiling girder lifted on 26.09.12. 3. Boiler HT completed on 30.07.14	
	Unit-1	685	09/13	10/13	10/14 (A)	02/15 (A)		
	Unit-2	685	01/14	02/14	05/15	07/15		
	Org.Est. cost	:Rs.829000 Lakhs						
	Latest Cost	: Rs. 1101600 Lakhs						
	Exp. 2007-08	: Rs. 727 lakhs						
	Exp. 2008-09	: Rs. 3801 lakhs						
	Exp. 2009-10	: Rs. 9300 lakhs						
	Exp. 2010-11	: Rs. 108402 lakhs						
	Exp. 2011-12	: Rs. 204593 lakhs						
	Exp. 12-13	: Rs. 313596 lakhs						
	Exp. 13-14	: Rs. 198888 lakhs						
	Exp. 14-15	: Rs. 150756 lakhs						
	Exp. 15-16 (up to)							
	Cumm. Exp. (04/15)	: Rs. 990063 lakhs						
	Financial Closure	: Achieved on 10.12.10						
	Type of fuel	:Coal						
	Fuel Linkage	: SECL: 03.07.09						
	FSA	: FSA signing is in progress with SECL						
	Date of Main Plant Order	BTG Contract awarded on 22.01.10 to M/s Doosan Power System India. (Boiler-Doosan) (TG- Doosan						
Zero date of the project (NTP)	: 22.01.2010							
Power Evacuation System: BPTA has signed with PGCIL for Raigarh Pooling Station (Tamnar) on 11.04.11 for 400 MW.								

PGCIL has granted long term open Access. BPTA signed with PGCIL on 31.03. PPA: PPA entered with Chhattisgarh State Power Trading Company Ltd. for 35% power on 05.01.11. Unable to Participating in case-I Bidding for the balance 65% PPA due to non availability of coal block/ coal linkage. Fuel Linkage: Not yet granted: LOA Date : Not yet Granted. FSA Date: Not yet Granted Delay in start of civil works. Progress of various activities suffered some time due to financial problems. As per the letter dated 15.01.14 , PPA details 474 MW for 20 years with CSPTC	4. BLU completed on 27.03.15 5. SBO completion is expected in ---- 6. Oil Synch. is expected in 05/15. 7. Coal Firing is expected in 06/15 8. Full load is expected in 07/15. TG 1. TG deck casting completed on 05.10.12. 2. Condenser erection started on 16.01.13 3. TG erection started on 24.01.13. 4. TG Box up completed on 31.10.14 5. TG oil flushing completed on 10.12.14 6. TG on BG on 18.02.15 Bunkers: All 7 no. bunkers erection completed on 07.06.12. Mill A to Mill G erection completed. Feeder floor casting completed. CHP: Stacker & re-claimer 1&2 RCC completed. Rail erection for stacker & Reclaimer -1 & 2 completed. up to No.1 completed and equipment erection U/P. Stacker & Reclaimer -1 &2 equipment erections completed. Idelers erection completed for SCR-2 and under progress for SCR-1 AHP: Bottom ash hopper foundations completed. Ash silo-1 , 2 &3 shell concrete completed (20.5 M) Ash handling system readiness expected by 10/13. NDCT: NDCT shell RCC up to 165 m. level completed. Chimney: Chimney shell casting 100% completed (270M level). flue can fabrication completed. 1st Flue can erection completed on 05.12.13. Platform girder erection started on 08.12.12. 2nd flue can erection started on 12.04.13..
Critical Areas	Coal Linkage is awaited. PPA for balance 65% power is yet to be signed (due to non-availability of Coal Block/Coal Linkage, unable to participate in Case-I Bidding. CEA is requested to expedite with MOC for allocation of coal linkage on priority.

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Act.(A) / Ant.			
			Syn.	Comm	Syn.	Comm COD		
4	Salora TPP (Katghora Tal; Distt. Korba)	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	
	M/s Vandana Vidyut Ltd						b) Land : Required 261 Ha , Possession : 260.899 Ha.	
	Unit-1	135	06/11	06/11	04.09.13(A)	10.04.14(A)	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 2 nd phase of 1x270 MW under process with MoC. Carpet coal recommended for CEA for startup of 1 st unit.	
	Unit-2	135	09/11	09/11	11/14	07/15 08/15	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
	Rev.Cost	:Rs.						h)CHP : :Under progress
	Exp. During 2009-10	:Rs 14441 lakhs						i)AHP: Under progress
	Exp. During 2010-11	: Rs . 43617 lakhs						j)Chimney: Flue can erection completed.
	Exp. During 2011-12	: Rs . 88942 lakhs						Switchyard Back-charged on 29.09.12.
	Exp. During 2012-13	: Rs . 38000 lakhs						FSA Signed
	Exp. During 2013-14	: Rs . 38657 lakhs						Boiler:1
	Exp. During 2014-15(up to 12/14)	: Rs.15032 lakhs						Erection of Boiler-1 started in 11/10. Boiler Drum lifted on 23.02.11.
	Cumm. Exp. (up to 12/14)	: Rs.238689 lakhs						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.
	Financial Closure	: Achieved in 08/2009						SBO completed. Unit synchronized on 04.09.13. Full load achieved on 10.04.14.
	Zero date	:						TG-1: TG erection started in 11/11and TG box-up completed in 07/12
	Type of fuel	:						Letter issued by CEA to Chairman, CIL for 30000 T of coal for U-1 on 11.01.13.
	Date of Main Plant Order	: on M/s Cethar Vessels Ltd in Sep.,09 (BTG)						Boiler-2 : Boiler erection started in 11/10 and drum lifted in 04/11. HT completed in 10/12 . BLU completed in 09/14 and steam blowing completed in 10/14. Synchronization expected by end of 05/15 and full load 07/15
	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.						TG-2: TG erection started in 11/11and TG boxed-up 09/14 and barring gear in 10/14.
As per letter dated PPA 50 MW to TNEB through NVVN (Short term basis) for one year							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.	
							Latest Status: Unit Synchronized on 04.09.13. Unit was under shutdown for attending various commissioning problems. On 28.02.14 M/s. Cethar Ltd again send a drawing for modification of the oil gun guide with lug support. The burner problem remains unsolved. The basic reason is that the burners are not supporting properly. As Full load /COD has not been achieved within six months of synchronization as per the regulations of Electricity Act-2003, now they have to get permission from CERC for connectivity and after which WRLDC will give permission for re-synchronization. CERC has given the permission to injection of infirm power to the Grid upto 11.04.14 vide their order dated 14.03.14. V V L has submitted the CERC order to WRLDC for permission to inject the infirm power to the grid on 18.03.14 and got the permission from WRLDC on 20.03.14. Now V V L is trying themselves for completing balance work as Cethar Ltd. is not cooperating.	

5	Uchpinda TPP Unit-1(Ph-I) Unit-2,3&4(Ph-II) R.K.M Power, Chhattisgarh		Commissioning Schedule				<u>Unit-I</u> 1. Boiler erection started on 03.09.11. 2. Boiler drum lifted on 24.04.12. 3. HT test conducted on 07.09.13. 4. BLU done on 08.11.14. 5. EDTA completed in 11/14. 6. SBO completed on 03.01.15. 7. TG erection started in 09/13. 8. TG box up completed in 08/14. 9. TG oil flushing completed 07/14. 10. TG barring gear on 09.12.14. 11. Unit synchronized on 28.02.15.
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
			Unit-1	360	03/12	05/12	
	Org.Est. cost (Ph-I- 148750 lacs Ph-II – 516611 lacs) (Includes cost of 4 units)	: Rs. 665361 Lacs					
	Latest cost (Includes cost of 4 units)	: Rs. 1037733 Lacs					
	Exp. During 07-08	: Rs. 1270 Lacs					
	Exp. During 08-09	:Rs. 12311 Lacs					
	Exp. During 09-10	: Rs. 37363 Lacs					
	Exp. During 10-11	: Rs. 67641 lacs					
	Exp. During 11-12	: Rs. 153338 iacs					
	Exp. During 12-13	: Rs. 277291 lacs					
	Exp. During 13-14	: Rs. 255521 lacs					
	Exp. During 14-15 (03/15)	: Rs. 119057 lacs					
	Cumm Exp. (Up to 03/15) (Includes Expenditure of 4 units)	: Rs. 923792 lacs					
	Financial Closure	. 07.06.10 (Ph-II) 02.01.09 (Ph-I)					
	Type of fuel	:Coal (900 MW SECL) and 500 Coal block.Yet to sign FSA.					
	Date of Main Plant Order	: 06/09 .on M/s MIPP International. Boiler: China Western TG: Harbin					
	Zero Date of the Project	: 01.06.09 (Ph-I).					
	PPA	:Signed with CSEB for 37.5% and PTC for sale of 700 MW.					
	Power Evacuation System	:Detail route survey completed and 22 tower foundation completed.3 no of tower comp.					
	Coal Linkage	: FSA signed with SECL for Phase-I on 03.09.13 and phase-II on 23.09.13.					
	Land Acquisition	:Total 900 acres land acquired.					
	MoEF clearance	: Obtained on 26.08.08.					
	Water Allocation	: 44.83 MCM per annum.					
	SPCB clearance	: Consent to establish received on 29.11.08. Amendment to consent to establish on 01.12.09.					
	Critical Areas	Consent to operate is not received.					

BROAD STATUS OF THERMAL POWER PROJECTS IN GUJARAT

1.	SikkaTPS Extn. Unit-3&4 GSECL, Dist: Jamnagar Gujarat	500	Commissioning Schedule				1. MOE&F clearance obtained on 28.06.10. 2. M/s TCE appointed as consultant. 3. Construction activities started from 06.07.10. 4. Revised L1 schedule approved on 21.12.11. 5. U-3 erection agency for BTG M/s Karpura has been replaced by M/s Power Mech Engrs (Boiler) and M/s Alpha Power Engg.,Pvt Ltd.
			Original		Actual(A) / As now Expected		
			Syn.	Comm.	Syn.	Comm.	
	Unit-3	250	08/13	10/13	02/15 (A)	03/15 (A)	Unit-3 Boiler
	Unit-4	250	11/13	01/14	08/15	10/15	1. Boiler civil works started on 09.08.11. 2. Boiler erection started from 24.10.11. 3. Boiler drum lifted on 29.03.12. 4. HT completed on 02.03.13. 5. BLU completed on 22.03.14. 6. HT (Non-Drainable) completed on 10.07.14. 7. EDTA completed on 19.11.14. 8. SBO completed on 31.12.14. 9. ST-3 charged on 30.10.14. 10.Oil synchronization achieved on 09.02.15. 11.ERH completed on 24.03.15. 12.Coal firing achieved on 25.03.15. 13.Full load achieved on 28.03.15.
	Date of TEC	: Not Required					
	Org.Est. cost	: Rs. 200400 Lakh					
	Latest cost	: Rs 235600 Lakh					
	Exp. During 07-08	: Rs. 15500.00 Lakh					
	Exp. During 08-09	: Rs. 24192.7 Lakh					
	Exp. During 09-10	: Rs. 33706.2 Lakh					
	Exp. During 10-11	: Rs 18324.40 Lakh					
	Exp. During 11-12	: Rs 58856.44 Lakh					
	Exp. During 12-13	: Rs 70749.26Lakh					
	Exp. During 13-14	: Rs 31594.15Lakh					
	Exp. During 14-15	: Rs 14974 Lakh					
	Exp. During 15-16 (upto 04/15)	: Rs - Lakh					
	Total Exp.(upto 03/15)	: Rs.283899.33 Lakh					
	Financial Closure	: 30.03.10.					
	Type of fuel	: Imported Coal					
	Date of Main Plant Order	: 10.05.07 .on M/s BHEL (EPC) (Boiler design modified by BHEL for imported coal)					
	Zero Date of the Project	: 22.05.07(Revised date is 10.07.11.)					
		1. Boiler civil works started on 09.08.11. 2. Boiler erection started on 09.01.12. 3. Boiler drum lifting completed on 23.05.12. 4. HT completed on 30.06.13. 5. BLU completed on 18.10.14. 6. EDTA completed on 23.01.15. 7. SBO started on 21.02.15 and completed on 03.03.15. 8. Unit normalization also completed. 9. GT-4 back charged on 24.03.15 & it tripped on differential & Buchholz protection after running of two hours. After detailed investigation, GT sent to BHEL-Bhopal for repairing and expected to reach back at site in 07/15. So it will delay the synchronization of the unit.					
		TG 1. TG civil works started 09.08.11. 2. TG erection started in 01/13. 3. TG Box up completed on 14.03.14. 4. TG oil flushing completed on 10.03.15. 5. TG put on BG on 15.03.15.					
	Critical Areas	• Regularization of the forest land utilized for hot and cold water and ash dyke delayed the project. • Very slow work progress at CHP area by BHEL(ISG) • Very slow erection work progress in HP/LP piping, Cabling work of Unit-3&4 • Slow progress for erection of GRP piping for CW system. • Slow progress of Chimney structure & platform erection.					

BROAD STATUS OF THERMAL POWER PROJECTS IN MADHYA PRADESH

BROAD STATUS OF THERMAL POWER PROJECTS IN MADHIA PRADESH							
Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
1.	Anuppur TPP Phase-I Jaithari Dist. Anuppur M.B.Power (MP) Ltd.						Unit-1 • Blr erection started in 11/11. • Drum lifted on 06.11.12. • HT completed in 10/13. • BLU done in 09/14. • Condenser erection started in 03/13. • TG erection is started in 05/13. • TG box up done in 09/14. • Synchronised on 19.03.15. • Full Load achieved on 20.04.15.
Unit-1	600	04/13	5/13	04/15(A)			
State Govt. approval	: -						
Org Est. approved cost (Includes cost of 2 units)	: Rs. 624000Lakhs						
Latest Cost (Includes cost of 2 units)	: Rs. 800000 Lakhs						
Exp. 2009-10	: Rs. 14100 Lakhs						
Exp. 2010-11	: Rs. 75400 Lakhs						
Exp. 2011-12	: Rs. 103500 Lakhs						
Exp. 2012-13	:Rs. 137500 Lakhs						
Exp. 2013-14	:Rs. 171900 Lakhs						
Exp. 2014-15 (02/15)	:Rs. 227500 Lakhs						
Cumulative Exp (Till 02/15) (Includes Expenditure of 2 units)	: Rs. 730000 Lakhs						
Financial closure	Achieved						
MOEF clearance	Obtained in Sept-10.						
Coal Linkage	LOA for 4.99392 MTPA of F grade by SECL. FSA has been signed on 26.03.13 for both unit (2x600 MW).						
Water	Son River.						
Power Evacuation System	400 KV dedicated Anuppur-Jabalpur line by Powergride.						
Fuel Source	SECL. FSA has been signed for both unit on 26.03.13.						
PPA	848 MW on long term PPA(420 MW with MP discoms and 428 MW with PTC), for balance participated in Case-I bidding in UP for 361 MW and in Rajasthan for 200 MW, bid is open in both states and in kept in zone of consideration.						
Date of Main Plant Order	M/s Harbin,China on 15.11.10 (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.	
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	01/15 (A)	03/15 (A)	
	Uni-9	500	07/12	09/12	07/15	08/15	
	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		Rs: 103286 Lakhs				
	Exp. During 14-15		Rs: 77530 Lakhs				
	Exp. During 15-16 (upto04/15)		Rs: 103717 Lakhs				
	Total Exp. (Upto -04/15)		: Rs 698417 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.						
	Unit-8 Boiler 1. Boiler erection started on 01.06.10. 2. Boiler HT (Drainable) completed on 05.06.12. 3. BLU completed on 30.03.14. 4. EDTA completed on 27.06.14. 5. SBO started on 21.09.14. &completed on 17.10.14. 6. Unit normalization completed in 11/14. 7. Oil synch. achieved on 11.01.15. 8. Safety valve floating completed on 20.03.15. 9. Coal bunkering started on 23.03.15. 10. Coal firing achieved on 28.03.15 with priority path. 11. CHP contingency made ready on 27.03.15. 12. AHP contingency made ready on 23.03.15. 13. Full load achieved on 29.03.15. TG 1. Condenser erection started in 03/12. 2. TG deck casting completed in 12/11. 3. TG erection started in 03/12. 4. TG box up completed on 30.06.14. 5. TG oil flushing completed on 09.08.14. 6. TG put on BG on 15.12.14. Unit-9 Boiler 1. Boiler erection started on 05.01.11. 2. Boiler HT (Drainable) completed on 29.10.12. 3. BLU achieved on 07.05.15. 4. EDTA is expected in 05/15. 5. SBO completion with normalization is expected in 06/15. 6. Oil synch. is expected in 07/15. 7. Coal firing is expected in 07/15. 8. Full load is expected in 08/15. TG 1. Condenser erection started on 17.10.13. 2. TG erection started on 17.10.13. 3. TG box up is expected in 05/15. 4. TG oil flushing completion is expected in 05/15. 5. TG on BG is expected in 06/15.						
	Critical Areas	Delay in finalization of BOP agency. Delay in readiness of BoPs by M/s BGR.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
2.	Koradi TPP , (Distt. Nagpur) MSPGCL	1980					1. Zero date of the project is 23.09.09. 2. All required clearances are available. 3. Orders for all BOPs on EPC basis placed on M/s Lanco Infratech Ltd on 27.07.10. 4. M/s Lanco Infratech Ltd has reported at site on 16.08.10.
	Uni-8	660	09/13	12/13	02/15 (A)	03/15 (A)	Unit-8 Boiler 1. Boiler erection started on 24.03.11. 2. Boiler HT (Non-Drainable) completed on 15.06.13. 3. EDTA cleaning started in 08/14. 4. BLU completed on 11.09.14. 5. SBO started on 14.01.15 and completed on 11.02.15. 6. Oil synch. achieved on 25.02.15 at 16:17 Hrs. 7. Coal bunkering started on 28.03.15 8. Coal firing achieved on 29.03.15. 9. Full load achieved on 30.03.15.
	Uni-9	660	03/14	06/14	06/15	08/15	TG 1. Condenser erection started on 10.05.12. 2. TG deck casting completed in 12/11. 3. TG erection started on 28.04.12. 4. TG box up completed on 31.10.13. 5. TG oil flushing completed in 03/14. 6. TG put on BG on 03.03.14.
	Unit-10	660	09/14	12/14	02/16	03/16	Unit-9 Boiler 1. Boiler erection started on 28.10.11. 2. Boiler HT (Non-Drainable) completed on 04.01.14. 3. BLU achieved on 16.01.15. 4. SBO completion is expected in 05/15. 5. Oil synch. is expected in 06/15. 6. Coal firing is expected in 08/15. 7. Full load is expected in 08/15.
	Date of TEC		: Not Required				TG 1. Condenser erection started on 15.11.12. 2. TG deck casting completed in 10/12. 3. TG erection started on 26.11.12. 4. TG box up completed on 28.07.14. 5. TG oil flushing completed in 01/15. 6. TG put on BG on 16.01.15.
	Date of Approval by State Govt.		: N.A				Unit-10 Boiler 1.Boiler erection started on 15.02.12. 2. Boiler HT (Non-Drainable) completed on 05.07.14. 3.BLU is expected in 11/15 4.SBO completion is expected in 12/15. 5.Oil synch. is expected in 01/16. 6.Coal firing is expected in 02/16. 7.Full load is expected in 03/16.
	Est.Proj. cost.		: Rs.1188000 Lakhs				TG 1. Condenser erection start is expected in 05/13. 2. TG deck casting completed on 24.02.13. 3. TG erection started on 27.06.13. 4. TG box up expected in 05/15. 5. TG oil flushing completion is expected in 08/15. 6. TG on BG is expected in 09/15.
	Latest Proj.cost		: Rs. 1188000 Lakhs				
	Exp. Upto 03/10		: Rs. 70000Lakhs				
	Exp.during 10-11		: Rs. 23975Lakhs				
	Exp.during 11-12		: Rs. 203750Lakhs				
	Exp.during 12-13		:Rs.359844 Lakhs				
	Exp.during 13-14		:Rs.369480 Lakhs				
	Exp.during 14-15		:Rs.158940 Lakhs				
	Exp.during 15-16 (Upto 04/15)		:Rs 34627 Lakhs				
	Cumulative Exp.(Upto 04/15)		: Rs 12110.50Lakhs				
	Type of fuel		:Coal				
	Fuel Linkage		: Machhakata & Mahanadi coal Block in Odisha				
	Financial closure		: Not Achieved				
	Date of Main Plant Order(LOA)		: M/S L&T on 23.09.09 (BTG)				
	Power Evacuation System:						
	Critical Areas	Switchyard civil foundation work of various equipments & control room is to be expedited.-Agency-M/s.MSETCL					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
3.	Parli TPS (Distt. Beed) MSPGCL	250					1.Zero date of the project is 20.01.09. 2. All required clearances are available. 3. Orders for all BOPs on EPC basis placed on M/s Sunil Hi Tech. 4. TG erection agency M/s. Van Sun & M/s. Jyoti turbo reported site on 08.04.14 & 18.04.14 respectively and started working.
	Uni-8	250	11/11	01/12	07/15	10/15	Boiler 1. Boiler foundations handed over to BHEL on 10.07.10. 2. Boiler erection started on 10.08.10. 3. Boiler Drum lifting completed on 10.04.11. 4. Boiler HT (Drainable) completed on 25.12.12. 5. BLU is expected in 05/15. 6. SBO completion is expected in 06/15. 7. Oil synch. is expected in 07/15. 8. Coal firing is expected in 09/15. 9. Full load is expected in 10/15. TG 1. Condenser erection started in 04/11. 2. TG deck casting completed in 04/11. 3. TG erection started on 19.05.11. 4. TG box up completed on 11.12.14. 5. TG oil flushing completion is expected in 06/15. 6. TG on BG is expected in 08/15.
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A					
	Est.Proj. cost.	: Rs 137500 Lakh					
	Latest Proj. cost	: Rs 185924Lakh					
	Exp. Upto 03/10	: Rs. 7500Lakhs					
	Exp. During 10-11	: Rs 28701 Lakhs					
	Exp. During 11-12	: Rs 46823Lakhs					
	Exp.During 12-13	:Rs 45647Lakhs					
	Exp.During 13-14	:Rs 29461Lakhs					
	Exp.During 14-15	:Rs 14586Lakhs					
	Exp.During 14-15 (Upto 04/15)	:Rs 527 Lakhs					
	Cumulative Exp. (Upto 04/15)	: Rs 167512 Lakhs					
	Type of fuel	:Coal					
	Fuel Linkage	: Machhakata & Mahanadi coal block					
	Financial closure	:					
	Date of Main Plant Order(LOA)	: M/S BHEL on 20.01.09 (BTG)					
	Power Evacuation System:						
	Critical Areas	Delay in Finalization of BOP agency delayed the project. In adequate and non-sequential supply by BHEL. Delay in readiness of BoPs by M/s Sunil hitech.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
4	Nasik TPP , Ph-I (Distt: Nasik) M/s RattanIndia Nasik Power Ltd.(Formerly known as Indiabulls Realtech 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. achieved on 05.02.14. 11. Coal bunkering started on 10.02.14. 12. Coal synch. achieved on 24.02.14. 13. Full load achieved on 25.02.14 14. COD achieved on 29.03.14. 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 completed in 02/14. 6. SBO started on 28.02.14 and completed on 14.03.14. 7. Coal synch. is expected in 06/15. 8. Full load is expected in 06/15. TG 1. TG erection started on 25.12.11. 2. TG Box Up completed on 08.10.13. 3. TG oil flushing completed on 31.12.13. 4. TG put on BG on10.03.14. Unit-3 Boiler 1. Boiler erection started on 12.01.11. 2. Boiler drum lifting completed on 12.12.11. 3. Boiler HT completed on 30.10.13. 4. Boiler Light Up is expected in 06/16. TG 1. TG erection started on 19.01.12. 2. TG box up is expected in 04/16. Unit-4 Boiler 1. Boiler erection started on 16.05.11. 2. Boiler drum lifting completed on 23.12.11. 3. Boiler HT is expected in 05/16. TG
	Unit-1	270	12/11	02/12	02/14 (A)	02/14 (A)	
	Unit-2	270	02/12	04/12	06/15	06/15	
	Unit-3	270	04/12	06/12	09/16	09/16	
	Unit-4	270	06/12	08/12	12/16	12/16	
	Unit-5	270	08/12	10/12	03/17	03/17	
	Date of Approval by State Govt.	: N.A.					
	Org.Est. Proj. cost	: Rs.678900 lakhs					
	Latest Est. cost	: Rs.784898 lakhs					
	Exp. upto 03/10	: Rs.30620 Lakhs					
	Exp. During 10-11	: Rs. 100000Lakhs					
	Exp. During 11-12	:Rs180309 Lakhs					
	Exp. During 12-13	:Rs. 144526 Lakhs					
	Exp. During 13-14	:Rs 107396 Lakhs					
	Exp. During 14-15 (Upto 02/15)	:Rs 73620 Lakhs					
	Total Exp.(Upto 02/15)	:Rs. 636471 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					

Power Evacuation System: Through 400kV D/C quad Moose transmission line upto MSETCL sub-station at Bhabaleshwar.

1. **TG erection started in 05/12.**
2. TG box up is expected in 07/16.

Unit-5

Boiler

1. **Boiler erection started on 16.06.11.**
2. **Boiler drum lifting completed on 06.03.12.**
3. Boiler HT is expected in 10/16.

TG

1. TG erection start is expected in 03/16.

Critical Areas

Railway siding for coal transportation

SOUTHERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN ANDHRA PRADESH

BROAD STATUS OF THERMAL POWER PROJECTS IN ANDHRA PRADESH								
Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Orig.		Actual(A) / Anticipated			
			Syn. Com	COD	Syn. Com	COD		
1	Pynampuram TPP (2x660 MW) Disistt. Nellore, AP (M/s Thermal powertech Corporation Ltd.)	1320					Land: acquired 1408.70 Acres. MOE&F: clearance issued on 04-11-2009. SPCBC: clearance obtained on 15-05-2010. Civil Aviation: AAI issued NOC on 21-12-2009. Water: Allocation & permission for use of 14000 m³/hr sea water issued on 15-06-2011 by Director of Port AP. Chimney: Order placed on Haygrev Civil Engg. on 04-04-12. Flue can erection completed for Unit-1. Unit-2 flue can fabrication is in progress. NDCT: Order placed on KBL on 21-12-11. CT1shell concreting and internal columns completed and CT2 shell casting completed. CHP: External CHP~5 km commissioned. Erection of TPs, trestles and conveyor belt is under progress. U-1 stream readiness expected by 10.10.14. AHP: Order placed on Macawber Beekay Pvt. Ltd. on 19-06.12. Silos are in progress. Bottom ash system, pipeline, slurry p/h readiness expected by 10.10.2014. WTP: Piling works completed. Foundation work is in progress. DM Plant: Foundation s completed and break water tank erected. CW S: Orders placed for CW pipes and CW pumps on PSL and Kirloskar. Pits completed, fore bay channel and cw pipes laying is in progress.. FPS: Order placed on Mather & Platt on 29-02-12. Foundations of, FWST & FWPH are in progress. FOS: Order placed on Delta P.D. Pumps on 14-05-12. HFO tank3 and all LDO tank shells erected. Dyke wall /raft concreting is i/p. Switchyard: Order placed on M/s Areva on 25-10-11. GIS erection started, cable tray structural erection and external switchyard in progress. Unit-1 Boiler: Blr erection started on 19-01-2012. 6168/7000 MT structural material erected. 6651.8/7500 MT pressure parts erected. HT (Drainable): conducted on 29-10-13.Non-drainable HT completed on 13.04.2014. BLU completed on 24. 09.2014. SBO started on 30.10.14. SBO completed on 04.11.14. ESP: Foundation work completed. Erection started and 6626/8000 MT structural material has been erected. TG: Condenser erection started on 10-05-13. Deck casting completed. TG erection started on 10-06-13. Base plate erection LP-A/B is in progress. Stator positioned, alignment is in progress. TG oil flushing started in 06/2014 and expected to be completed by end of 07/2014. TG box-up completed on 11.08.2014. TG on barring gear from 18.10.14. Unit synchronized on 22.12.2014. Unit achieved full load on 07.02.2015. Unit declared on COD w.e.f 02.03.2015. Unit-2 Boiler: Blr erection started on 24-05-2012. 6051/7000 MT structural material erected. 6549/7500 MT pressure parts erected. 42220/42500 welding joints completed by 12/13. HT: Non-drainable hydro test completed in 07/14. Chemical cleaning completed. BLU expected by end of May, 2015. ESP: Erection in progress and 6103/8000 MT structural material erected. TG: Condenser erection started on 12-07-13. TG erection started on 01-11-13. TG box-up completed on 05.04.2015. TG oil flushing in progress.	
	Unit-1	660	02/14 05/14	08/14	12/14 02/15	03/15		
	Unit-2	660	05/14 08/14	11/14	06/15 07/15	06/15		
	Original Estimated Cost	Rs. 686900.00 Lakh						
	Latest Estimated Cost	Rs. 686900.00 Lakh						
	Expenditure During 09-10	Rs. 16200.00 Lakh						
	Expenditure During 10-11	Rs. 55700.00 Lakh						
	Expenditure During 11-12	Rs. 97100.00 Lakh						
	Expenditure During 12-13	Rs. 299200.00 Lakh						
	Expenditure During 13-14	Rs. 264700.00 Lakh						
	Expenditure During 14-15	Rs. 210927.00 Lakh						
	Total Expenditure	Rs. 9438.27 Crores (up to 02/15)						
	Zero date	Unit-1 :15-02-2011 Unit-2 :15-05-2011						
	Financial closure	Achieved on 13-09-2010						
	Date of Main Plant Order -BTG	Order placed for BTG on 20-09-2010 on Dongfang Electric corporation, China. NTP issued on 15-02-2011.						
	BTG Erection order	Placed on BGERs on 22-10-2010						
	BOPs	Order placed on 23-02-11 (NTP issue date)						
	Coal Linkage	FSA signed with PT Bayan Resources Tbk on 23-02-2012 for 1 MTPA imported coal. FSA for 30% domestic coal signed with MCL on 22-06-13.						
	PPA	Long term PPA signed on 01-04-13 for 500 MW for 25 yrs with AP Discoms.						
	Power Evacuation System	LTOA and power transmission agreement signed with PGCIL on 24-12-2010 for the following: a) 400 kV Project to Nellore pooling station D/C line (Quad) – Charged on 30-08-2013 b) 765 kV Nellore – Kurnnool c) 400 kV bays at Nellore pooling station						
	BPTA	BPTA signed on 20-10-2010						
Critical Areas								

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / Now expected		
			Syn Com	COD	Syn Com	COD	
2.	Vizag TPP (HNPC Ltd), Palavalasa village Distt. Vishakhapatnam Unit-1	1040					• Land: 1122.38+300 acres of land acquired and 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. Flue can erection completed for both units. • CT: Not applicable due to once through cooling system. • CHP: RCC works in progress in track hopper and wagon tippler areas. SRC-1 mechanical assembly completed and that for SRC-2 in progress. Structural erection of CH completed, floor casting is in progress. All four crushers erected. Alignment works and cabling works are in progress. Readiness expected by 1st week of Oct' 14. • AHP: Series pump's erected. Ash slurry p/h and pipe line to dyke works are in progress. Readiness expected by Oct' 14. • Desalination Plant is ready. DM Plant commissioned. • CW System: CW piping work inside plant and on jetty completed. piping works (800 m) plant boundary to sea are in progress. 02 nos of sea water p/p foundations ready. EOT crane ready. Piling works for discharge pipeline diffuser in progress. works are affected due to Hudhud cyclone. • FO System: ready. • Switchyard: Gantry work completed. Equipment erected and commissioning checks and testing in progress. • Unit-1: Boiler: erection started on 30-05-11. Drum: lifted on 10-01-12. HT conducted on 28-12-12. BLU achieved on 22.03.14. Desalination water is being made ready for EDTA. EDTA works started on 11.08.2014 and completed on 14.08.2014. SBO started on 24. 09.14 and works are affected due to Hudhud cyclone. 08 Mills ready. SBO restarted on 06.03.2015 and completed on 20.03.2015 and Normalisation works completed on 10.04.2015. • TG: Erection of condenser started on 03-03-12, that of TG on 25-07-12. Box Up: done on 21-09-13. TG oil flushing completed. TG on barring gear from 05. 08.14. • Unit-2: Boiler: erection started on 29-09-11. Pressure parts, heater header alignment & coil fit up works are in progress. Mills lube oil flushing in progress. • Drum: lifted on 18-04-12. HT conducted on 28-03-13. HT (Non-drainable) expected in 06/2014. BLU: completed on 30. 07.14, EDTA started on 18.04.2015. Works are affected due to Hudhud cyclone in Sea water system and switchyard. • TG: Erection of condenser started on 23-11-12 and that of TG on 04-03-13. HP and IP positioned. LP rotor and generator stator positioned. TG oil flushing Completed. TG Box Up completed in 04/14. TG to be put on barring gear after readiness of Jacking Oil Pump (JOP).
Unit-2	520	05/13	06/13	07/15	08/15		
		06/13		09/15			
		08/13	09/13	11/15	01/16		
		09/13		12/15			
	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	:Rs. 175590.00 Lakh					
	Expend during 14-15	:Rs. 175590.00 Lakh					
	Expend during 15-16	:Rs. 123502.00 Lakh (up to 04/15)					
	Total Expenditure	: Rs. 6553.43Crores					
	Bank disbursement	: Rs. 3618.00 Crores					
	Zero date	:30.06.2010					
	Financial closure	: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	: Signed on 26-08-2013					
	Date of Main Plant Order:	EPC contract placed on BHEL on 30.03.10					
	PPA	: 100% power to be sold to APGENCO. Agreement signed with APDISCOMS on 17-05-13					
	Transmission System	: Applied to PGCIL on 30-07-10 PGCIL to develop ATS. LTOA application submitted to APTRANSCO on 21-10-2011.					
		400 kV Project – kalpakka D/C line is ready for start up and evacuation of power					
	Mega Status	: Provisional Mega Status is given					
Critical Areas		Readiness of outfall water system and U-2 intake water system.					
		Readiness of Permanent Railway line:					
Delay reasons		Readiness of transmission line for back charging, intake and outfall system, CHP, Hudhud cyclone					

BROAD STATUS OF THERMAL POWER PROJECTS IN KARNATAKA

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Anticipated/ Now expected		
			Syn Com	Cod	Syn Com	Cod	
1.	Bellary TPP St-III (1x700 MW), Distt. : Bellary, M/s Karnataka Power Corpn. Ltd	700					• Entire land for the unit is already in possession. • MOE&F: clearance obtained on 18-05-10. • SPCBC:KSPCB issued clearance on 26-05-10 • CIVIL AVIATION: Clearance obtained on 22-01-09 • Water: Allotment of 2.04 TMC water allotted on 10-09-09 • Chimney: 275 m Shell concreting is completed. External platform and corbels casting is in progress. AR brick lining completed. • Hopper work, painting and external electrical works are in progress. • NDCT: Awarded to M/s Paharpur on 16.07.12. Pond floor and pond wall completed. Shell casting up to 177.5 m completed. PVC fills erection is in progress. • CHP: Erection of rails, stacker re-claimer is in progress. Structural erection of junction towers and trestles is in progress. RCC for BCN 13 A/B completed. Structural fabrication and erection of galleries is in progress. • AHP: Order placed on M/s DC Industrial Plant Services on 5-7-11. Erection of equipment in vacuum pump house is completed. RCC for silos, fabrication of FAE towers and bottom ash hopper, civil works of ash slurry & ash water pump house is in progress is in progress. Motors erected in pump house. • PTP: does not envisaged. • CWPH: Pump house concreting is in progress. CW pit, CEP pit and CST walls completed. Staging for PH roof slab is in progress. Retaining wall completed. Pipe erection in progress. • DM: Storage tanks 1&2 erection and DM make up water pump house slab completed. Brick masonry & equip. erect in progress. • FOPH: FOPH is completed, all equipment & motors erected. Oil piping is under progress.. • Boiler: Erection commenced on 26-11-12. HT completed on 30-11-14 / 02-02-15. 46509 welding joints completed. ID, FD and PA fan erection in progress. Mills erection & alignment under progress. Bunker erection is in progress. • BLU: conducted on 28-03-15. EDTA completed. • ESP: Erection of emitting electrode in all passes completed. Inlet duct air leakage test completed. Insulation and cladding is in progress. • STG: Deck casting completed on 10-10-13. Erection of TG was started on 26-11-12 and box up expected in May 2015. Oil flushing also expected in May 2015. • Switchyard: All 400 kV equipment erection completed. Gravel spreading in switchyard area completed. Switchyard control room equipment testing and commissioning completed. Switchyard may be charged only after inspection of installation.
Unit-3	700	08/14 09/14	2014	09/15 09/15	11/15		
Sanctioning Authority		State Govt.					
Date of Approval by		03-09-2007					
Original Estimated cost		Rs. 385000.00 Lakh					
Latest Estimated Cost		Rs. 468600.00 Lakh.					
Expenditure During 2009-10		Rs. 54.04 Lakh					
Expenditure During 2010-11		Rs. 18777.00 Lakh					
Expenditure During 2011-12		Rs. 29321.00 Lakh					
Expenditure During 2012-13		Rs. 88821.00 Lakh					
Expenditure During 2013-14		Rs. 170319.00 Lakh					
Expenditure During 2014-15		Rs. 97330.00 Lakh					
Expenditure During 2015-16 (Up to April 2015)		Rs. 11960.00 Lakh					
Total Expenditure		Rs. 4165.27 Crores					
Financial Closure		Achieved on 23-01-13					
Type of fuel		Coal - MOC has allocated Deocha Pachami Coal Blocks in WB for KPCL on 06-09-2013.					
Date of Main Plant Order		28.09.10 on BHEL (EPC) with super critical technology. Boiler- Alstom, TG- Siemens					
Zero Date		28-09-2010					
PPA		Entered with ESCOMS, Karnatka on 18-12-2010					
BPTA							
ATS		400 kV BTPS - RTPS S/C 400 kV BTPS – Jindal S/C 400 kV BTPS – Hiriyur D/C 220 kV BTPS Lingapur S/C 220 kV BTPS – Alipur S/C * Figure given to MOP as Full load by CE (TPM) I/C					
Critical Areas		1. Supply of LP turbine by BHEL. 2. Completion of CHP and AHP					

Sl. No.	PROJECT DETAILS		Capacity (MW)	Commissioning Schedule				Broad Status
				Original		Anticipated/ Now expected		
				<u>Syn Com</u>	Cod	<u>Syn Com</u>	Cod	
2.	Yermarus TPP (2x800 MW) Distt.-Raichur, M/s Karnataka Power Corpn. Ltd Unit-1 Unit-2	1600 800 800	 01/14 04/14 07/14 10/14	 2014 2014	 05/15 11/15 11/15 01/16	 12/15 02/16	- Land: About 826 acres of land is already in possession. Acquisition of 320 acres of land for Rly siding etc is under process. - MOE&F: clearances obtained on 17-09-09 - SPCBC: Consent of Board issued on 26-05-10. - Civil Aviation: Obtained on 23-02-09. - Water: 3.6 TMC of water allotted by Gok from Krishna River for Yermarus (2x800 MW) and Edlapur (1x800 MW) projects. - Chimney: Order placed on M/s Gannon Dunkerly & Co. Ltd on 26-04-12. Shell concreting completed. Erection of flue cans, Platform and stair case is in progress. - IDCT: Order placed on L&T on 15-05-13. All 36 FRP cells erection of CT1&2 completed. Hot water riser pipes erection is in progress. Fan and motors erected, testing is in progress. - CHP: Order placed on M/s BHEL on 21-03-12. Structural erection of junction tower and trestles started. 80% material recd - AHP: Order placed on M/s BHEL on 21-03-12. BAH foundation completed for both units. Fabrication completed, and erection for U-1 started. Civil works are in progress in vacuum and Slurry PH. - CWPH: Fore bay retaining wall, CW channel and pit works and CW pipe line completed. ACWPH building completed and pumps erected. - RO/DM: RCC columns erection is in progress. Fabrication of tanks is under progress. Erection work started. - FOPH: Erection of LDO & HFO completed. - FPS: Fire water pump house and MCC room completed. Fire hydrant line laying works in progress. - SWYRD: Structural and equipment erection completed. Testing and commissioning. Is under progress. - U-1 - Blr: Blr erection started on 29-10-12. HT conducted on 10-09-14. Non drainable HT expected in June 15. 26124 MT structural material and pressure parts erected. Erection of mills, FD & ID is in progress. Flue gas ducting at ESP outlet is in progress. - ESP: Mechanical erection is completed. 9418 structural material erected. Roof insulation is completed and outer in progress. Control room 8.4 m floor completed. - TG: 85% equipment received. Erection is in progress. 60 % erection completed. HPT and IPT alignment completed. LPT boxed up. Generator stator placed in position. Assembly of cooling water system is in progress. 1270/1709 welding joints completed. Box up expected in 7/15. - U-2 - Blr: Blr erection started on 03-12-12. HT conducted on 30-12-14. Non drainable HT expected in June 15. 27046 MT structural material and pressure parts erected. Erection of mills, PA, FD & ID fan is in progress. - ESP: 9286 MT structural material erected. Mechanical erection of ESP is completed. Insulation and cladding is in progress. - TG: 75 % equipment received. Erection is in progress and 19% equipment erected. 535/1709 Nos of welding joints of power cycle completed. Box up expected in 8/15.	
Date of TEC		NA						
Sanctioning Authority		State Govt.						
Date of Approval by State Govt.		03-01-2009						
Original Estimated cost		Rs. 901500.00 Lakh						
Latest Estimated Cost		Rs. 901500.00 Lakh						
Expenditure during 2009-10		Rs. 884.52 Lakh						
Expenditure during 2010-11		Rs. 42083.17 Lakh						
Expenditure during 2011-12		Rs. 14706.11 Lakh						
Expenditure during 2012-13		Rs. 117072.96 Lakh						
Expenditure during 2013-14		Rs. 463262.00 Lakh						
Expenditure during 2014-15		Rs. 262839.00 Lakh						
Expenditure during 2014-15 (Up to April 15)		Rs. 5963.00 Lakh						
Total Expenditure		Rs. 9068.11 Crores						
Financial Closure		Achieved on 09-11-11						
Type of fuel		Coal: MOC has allocated Deocha Pachami Coal Blocks in WB for KPCL on 06-09-2013.						
Date of Main Plant Order Boiler- Alstom / BHEL TG - Siemens / BHEL Gen - Siemens / BHEL		Placed on M/s BHEL (BTG) on 09.04.10 with agreed BOP Civil works awarded to M/s Prasad & Co. and M/s Coastal Project Ltd for U-1 & U-2 respectively.						
Zero Date		09-04-2010						
PPA		Discussions initiated with ESCOMS of Karnataka on 18-12-2010.						
	Critical Areas	1. CHP and AHP 2. Raw water pipe line before project premises						

BROAD STATUS OF THERMAL POWER PROJECTS IN TELANGANA

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Orig.		Actual(A) / Now Anticipated			
			Syn. Com	COD	Syn. Com	COD		
1.	Singareni TPP Distt. Adilabad, AP (M/s SCCL)	1200					• Land: 100% land is under physical possession. • MOE&F: clearance issued on 27-12-2010. • Civil Aviation: AAI issued NOC on 25-08-2008. • Water: GOAP accorded permission for 2 TMC of water on 19.07.2010 from Pranahitha river. • Chimney: Shell concreting completed. Flue cane fabrication work in progress. Temporary Chimney planned for BLU. • IDCT: Column & beam concreting is in progress in IDCT & Aux. CT. Civil work of switch room are yet to start. • CHP: Track hopper raft completed & Walls& hopper concreting are in progress. Structural fabrication works are also in progress. • AHP: Excavation completed & other civil works are in progress. Structural fabrication works in ASPH, AWPB , SILO, BAH & surge tank are in progress. • PT Plant: Excavation completed & other civil works are in progress. • DM Plant: Fabrication and erection of tanks are in progress. • CWS: Civil & pipe work are in progress. • FOPH: Excavation, PCC, Raft works completed. Pedestals work is in progress. Structural fabrication works of LDO HFO tanks are in progress. • Switchyard: Raft casting works in GT, ST, UT, UAT area in progress.	
	Unit-1	600			08/15 11/15	12/15		
	Unit-2	600			11/16 02/16	03/16		
	Original Estimated Cost	Rs 5044.801 crores						
	Latest Estimated Cost	: Rs. 7573.00 Crs.						
	Expenditure During							
	2008-09	Rs	170 lakhs					
	2009-10	Rs	4212 lakhs					
	2010-11	Rs	1121 lakhs					
	2011-12	Rs	38993 lakhs					
	2012-13	Rs	76148 lakhs					
	2013-14	Rs	183804 lakhs					
	2014-15 (03/15)	Rs	230752 lakhs					
	Cumulative exp up to (03/15)	Rs	535000 lakhs					
	Zero date	11-11-2011						
	Financial closure	Achieved						
	Date of Main Plant Order	11-11-2011						
Award of contract	BTG order placed BHEL							
	Order for BOP's placed on M/s Mc Nally Bharat							
	SCCL Scope of works: Raw water reservoir works, Water supply scheme, Railway siding, Start up power and evacuation works.							
Coal Linkage	Application for long-term coal linkage submitted to Ministry of Coal on 07.12.2013.							
PPA								
Power Evacuation System	Signed with APDISCOMS for sale of 1050 MW of power after meeting the self requirement of 150 MW. 400 KV Quad DC line from Project site to Gajwel 400 KV station (length: 162.46 KM). This work is awarded by APTRANSCO. Zero date is 06.02.13							
BPTA								

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Orig.		Actual.(A) / Now Anticipated			
			Syn. Com	COD	Syn. Com	COD		
2.	Kakatiya ST- II TPP (APGENCO) Distt. Warangal Unit-2	600					• MOEF clearance obtained on 05.02.09 • REC has sanctioned a loan of Rs. 2170 Crores. • M/s Desein Pvt Ltd is Consultant for Engineering Services • Supply of material is under progress by M/s BHEL • Chimney: Shell concreting (275 M) completed. External platforms and all 27 corbels completed. Painting is completed. • CHP: TP-6 reinforcement and shuttering are under progress. • APH: cold end bracing erection completed • CWPH: CWPH, pipeline & fore bay RCC works completed and pipe laying is in progress. Raft for CWPH is in progress. • NDCT: Ring beam completed and jump forms erection for 38/54 segment completed. 213/712 grillage columns completed and others are in progress. 3rd (24/54 segments) and 4th lift (10/54 segments) concreting is in progress. • PTP: Chemical house and filter water reservoir PCC completed. Reservoir walls are under progress. • Boiler: Erection started on 05-05-11 and the work is in progress. 8292.4/10011 MT structural material erected. 6465.12/6701 MT pressure parts erected and 31300/33097 HP joints and 38064/38959 Eq joints completed till 2/15. boiler light up expected in 06/15. Foundations of PA, FD and ID fans completed and handed over for erection. Feeder floor concreting is in progress. Mills bowl extension ring capping is in progress. ESP inlet box welding, boiler to PA fan duct wall pre-assembly is in progress. FD and ID fan foundations completed and handed over to BHEL. • Drum: lifting achieved on 07-04-12. • HT: conducted on 24-06-2013 & BLU expected in 03/15. • ESP: 'A' and 'B' passes are ready for BLU activity. 'C' and 'D' pass Field alignment completed. • FOS: HFO tank RCC and bottom PCC work completed. Dyke wall construction on west side is in progress. • WTP: Chemical house construction is in progress. Filter water pump house completed. Back wash sump and sludge pit RCC completed. Chemical building and clarifier water tank completed. • DM: Nozzle fitting up, restoration of rolling shutters and are frontal piping are under progress. • CWS: Fore bay raft & channels completed except top raft. CW pipes erection is under progress. Pump house raft completed. • TG Deck: Condenser erection is in progress. TG erection started in 05/13. IP lower outer casing centering is in progress. MDBFP alignment is in progress. TDBFP A-deck completed and staging for B-deck is in progress. CEP pit is completed and handed over to BHEL. • Switchyard: Foundations for SAT, UAT and ST completed. GT foundations and walls are under progress.	
	Org. Est. Cost	: Rs. 296864 lakhs						
	Latest Est. Cost	: Rs. 346564 lakhs						
	Latest Est. Cost	: Rs. 365251 lakhs						
	Expenditure upto 3/09	: Rs. 11780 lakhs						
	Exp During 2009-10							
	Exp During 2010-11	: Rs. 16840 lakhs						
	Exp During 2011-12	: Rs. 26225 lakhs						
	Exp During 2012-13	: Rs. 52937 lakh						
	Exp During 2013-14	: Rs. 52034 lakhs						
	Exp During 2014-15 (up to 2/15)	: Rs. 63313 lakhs						
	Cumulative exp up to (2/15)	: Rs 270504 lakhs						
	Zero date :		21.01.2009					
	Financial closure :		Tied up with REC on 23-02-09					
	Date of Main Plant Order: 13.10.2008 (BTG on M/s BHEL)							
	BOPs Package		: LOI issued on M/s Tecpro Systems Ltd, Chennai on 30.10.2010. Purchase order issued on 25.11.2010					
	Type of Fuel		: Coal					
Reasons for delay: Delay in placement of order for BoP'. Delay in award of erection agency by BHEL. Delay in finalization of Raw water reservoir location. Delay in handing over of civil fronts by Techpro. Delay in BoP's works and change of BoP contractor consortium Leader from Techpro to VA Tech.								
Critical Areas		NDCT is critical BOP works by M/s Techpro is very slow.						

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		
			<u>Syn.</u> (Com.)	COD	<u>Syn.</u> (Com.)	COD	
B.	PROJECT UNDER CONSTRUCTION						
	PRIVATE SECTOR						
1.	Ind Barath TPP M/s Ind-Barath Energy (Utkal) Ltd. (Distt-Jharsuguda)	700					a. BTG order is placed on M/s Cethar Vessels in 16.05.2009. b. BoP orders placed on Punj Lloyd on 7.1.2010 c. PPA signed with GRIDCO on 14.9.09 & TNEB on 8.8.13. d. CHP work is going on at site. The material for the same is already available at site. e. Track hopper and stacker reclaimers work is in progress. f. RW reservoir work is in full swing. g. Chimney: completed.
	U-1	350	<u>07/11</u> 09/11		<u>06/15</u> 07/15		
	U-2	350	<u>10/11</u> 12/11		<u>10/15</u> 11/15		
	Date of Sanction / Investment Decision		FC achieved on 14.05.2008 & 29.03.2010				
	Sanctioning Authority						
	Est. approved cost		₹. 315000 Lakhs				
	Latest Est. cost		₹. 318500 Lakhs				
	Expenditure during 2010-11		₹. 100000 Lakhs				
	Expenditure during 2011-12		₹. 85000 Lakhs				
	Expenditure during 2012-13		₹. 110000 Lakhs				
	Expenditure during 2013-14		₹. 47000 Lakhs				
	Expenditure during 2014-15		₹. 54800 Lakhs (upto 03/2015)				
	Type of fuel		Coal				
	Fuel Linkage		Coal linkage obtained on 08.07.2009 (450 MW) & 12.12.2008 (250 MW)				
	Order main plant		Cethar Vessels (16.05.2009), Chinese				
	Power Evacuation system		Bulk Power Transmission Agreement (BTPA) with PGCIL				
	Critical Areas		Non readiness of CHP & AHP and ATS				
							Unit-1: Boiler erection started in 01/11. Boiler drum lifted on 30.5.11, hydro test completed on 24.5.12. TG erection commenced in 5/12. TG box up completed on 21.05.14, Oil flushing and electrical testing is in progress. BLU completed on 9.1.15. Unit synchronization is expected in Jun'15 and full load is expected in July'15.
							Unit-2: Boiler erection started in 5/11. Boiler drum lifted in 12/11. Hydro test completed on 20.05.14. BLU expected in 8/15. Auxiliary equipment for TG reached at site and work is going on full swing. TG box up expected to start in 8/15.

BROAD STATUS OF THERMAL POWER PROJECTS IN WEST BANGAL

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status															
			Original		Actual(A) / As now Expected																	
			Syn. (Comm)	COD	Syn. (Comm)	COD																
1	Sagardighi Thermal Power Extension Project, At & Post - Manigram, PS: Sagardighi, Distt- Murshidabad,(WB) Pin-742237	1000					Main plant Civil and Structural Work has been ordered with main plant package (BTG). Detail Engineering works of main plant package (BTG) is in progress. Details of erection work are listed below: 1. Boiler civil work started on 26.09.11(U-3) & 22.09.11(U-4). Boiler erection started on 16.03.12 (U-3&4). Drum was lifted on 13.09.2012(U-3) & 25.01.13(U-4). Hydro test was done on 30/08/1(U-3) & 21.03.14(U-4). BLU (U-3) done on 30.01.15. EDTA completed and SBO started on 01/03/15 & completed on 11.03.15.The status of diff. activities in boiler is as under: <table><tr><td></td><td>Hydro (D)</td><td>Hydro(ND)</td><td>BLU</td><td>SBO</td></tr><tr><td>Unit-3 -</td><td>31/08/13</td><td>01/15</td><td>30.01.15</td><td>11/03/15</td></tr><tr><td>Unit-4 -</td><td>21/03/14</td><td>04/15</td><td>09/15</td><td>10/15</td></tr></table> Fuel oil system: Trail run of pumps completed. All the piping including LOTV and LOCV erected. C&I commissioning in progress. 2. Condenser & TG: Condenser erection started on 14.06.2013(U-3) & 27.08.13(U-4) and TG erection started on 15.07.2013(U-3) & 10.10.13(U-4). Unit-3: TG Box up on 24.07.14. Oil flushing started on 08/01/15 and completed by 03.03.15. B/G on 15/03/15. Oil syn achieved at 16.54 hrs on 31/03/15 and load up to 12.5 MW. Milestones are as under:		Hydro (D)	Hydro(ND)	BLU	SBO	Unit-3 -	31/08/13	01/15	30.01.15	11/03/15	Unit-4 -	21/03/14	04/15	09/15	10/15
	Hydro (D)	Hydro(ND)	BLU	SBO																		
Unit-3 -	31/08/13	01/15	30.01.15	11/03/15																		
Unit-4 -	21/03/14	04/15	09/15	10/15																		
Unit-3	500	03/14 07/14	11/14	04/15 09/15	09/15																	
Unit-4	500	06/14 10/14	02/15	10/15 03/16	03/16																	
Investment approval. : (WBPDC Board)																						
Estimated cost : Rs. 534038.4 Lakhs																						
Exp. During 2011-12 : Rs 51863.96 Lakhs																						
Cumul. Exp. 2011-12 : Rs 51863.96 Lakhs																						
Exp. During 2012-13 : Rs 99452.58 Lakhs																						
Cumul. Exp. 2012-13 : Rs 151316.54 Lakhs																						
Exp. During 2013-14 : Rs 112906.75 Lakhs																						
Cumul. Exp. 2013-14 : Rs 264223.29 Lakhs																						
Exp. During 2014-15 : Rs 71094.61 Lakhs (up to 03/15)																						
Cumul. Exp. 2014-15 : Rs 335317.90 Lakhs (up to 03/15)																						

	Box up	Syn. (Oil)	Syn (Coal)	Full Load	COD
Unit-3	07/14	31/03/15	06/15	09/15	09/15
Unit-4	05/15	10/15	12/15	03/16	03/16

Main Plant Package(BTG) order Date : 22.02.2011 on BHEL <u>Power Evacuation System:</u> At 400 KV, two nos. D/C out going feeder lines to Gokarna (WBSETCL to take up the job) and Parulia (PGCIL is executing the work) and the existing LILO to Sagardighi of Farakka-Jeerat -Subhashgram 400 KV line. <u>Power Purchase Agreement:</u> Executed on 31.12.2010 with WBSEDCL. <u>Coal Linkage/FSA:</u> Captive Linkage Land Possession: Adequate land available as the same was acquired during implementation of Phase-I units(2x300MW) Water Allocation: NOC received for withdrawal of 60 cusec water from Bhagirathi from GoWB. MoE&F Clearance: Received on 18.05.2011. NOC for “Consent to Establish” obtained. Civil Aviation Clearance: Received on 01.07.2009. Zero Date of Project : 22.02.2011	3. CW Pump House: 3 nos ACW Pps and one Fire Pp erected. One CW pump erected and second is on progress. 4. Milling System: RHS Mills (5nos) erection completed. erection (LHS) not started. Bunker (RHS) Completed. Bunker (LHS) in progress. Feeders (RHS) in progress and Feeder (LHS) placed on floor. 4. Coal Handling Plant: Order placed on M/s. McNally Bharat Engg. Co. Ltd. On 12.04.2012. Structural erection Work : 75% completed Tripper erection completion – Tripper – 2 completed. Work on Tripper -1,3&4 is in progress. Work on Wagon tippler, Track hopper, Crusher house, Stacker Reclaimer, TPs and Conveyor gallery is in progress. CHP will be ready by 06/15. 5. Ash Handling Plant: LOA for the package has been awarded to M/s. Techpro on 14.01.13. Civil work of BAH # 3 completed. Fabrication work started by new contractor M/s. Indure Ltd. slow. The work is under progress. 6. Cooling Tower: LOA for the package has been awarded to M/s. Paharpur Cooling Towers on 24.08.12. NDCT #3&4 Work in progress.. 7. Chimney: Completed on 24.07.14. 8. PT & DM Plant: L&T as Lead Partner with DVWS has been awarded the LOA on 24.07.2013. Work on Raw water Reservoir, Raw water Pump house, Clarified water reservoir is in progress. Detail engineering for DM plant is in progress. DM water will be ready by 08/15. Contingency arrangement from Stage-1 has been made. 9. One set of ID & FD fans ready. Work on 2nd set is under progress. 10. Erection work not yet started for C&I and LT & HT Switchgears. UAT #3 A&B erection completed. Start up power available. 11. Switch yard: Civil job (90%) and Electrical job (70%) completed. Two double lines are in progress for power evacuation. 12. Railway Siding Work: Foundation work of Track is in progress.
Critical Areas	1. CHP 2. AHP 3. Water package