



**भारत सरकार
विद्युत मंत्रालय**

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

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

January - 2016



**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) Divisions of CEA are 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 Divisions, Central Electricity Authority have 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 12th 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 TPM divisions 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: 22nd March, 2016

(Phool Chandra)
Chief Engineer (TPM-II)

Disclaimer

This report is based on the details received from various project authorities & other organizations / agencies associated with the project and 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 15.03.16)	15475.60	1476.00	16951.6
Total	73194.7	3771.01	76965.71

2.0 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2007-2008

SI No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Schedule	Actual date of Comm.	Cap. Added (MW)
A	CENTRAL SECTOR							
1	Bhilai 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	Kahalgao STPS-II (Ph-I & II)	Bihar/NTPC	U -6 U -7	500 500	07/2003 03/2004	09/2007 07/2007	16.03.08(A) U-7 slipped	500
5	Ratnagiri Gas Power Project	Mah. /Ratnagiri Gas & Power Pvt. Ltd.	Block-3	740	05/1999	01/2007	28.10.07(A)	740
6.	Mejia TPS	West Bengal/DVC	U-6	250	06/2004	04/2007	01.10..07(A)	250
7.	Chandrapura TPS Extn	Jharkhand / DVC	U- 7 U- 8	250 250	06/2004	02/2007 04/2007	Project Slipped	
		Sub Total (A)		4650				1990
B	STATE SECTOR							
1.	GHT (Lehra Mohabbat)TPS-II	Punjab/ PSEB	U-3 U-4	250 250	03/2004	10/2006 01/2007	03.01.08(A) U-4 Slipped	250
2.	Dholpur CCPP (Ph-I)	Rajasthan /RRVUNL	GT-2 ST	110 110	06/2004	07/2006 12/2006	16.06.07(A) 27.12.07(A)	110 110
3	Korba East TPP St-V	Chhattis./ CSEB	U-2	250	08/2003	06/2007	11.12.07(A)	250
4	Dhuvaran CCPP Extn.	Gujarat/GSECL	ST	40	03/2004	01/2006	13.08.07(A)	40
5	Kutch Lignite Extn	Gujarat/GSECL	U-4	75	01/2004	08/2006	Slipped	
6	Rayalaseema TPS-II	AP/APGENCO	U-4	210	12/2003	03/2007	20.11.07(A)	210
7	Bellary TPP	Karnataka/ KPCL	U-1	500	11/2003	12/2006	03.12.07(A)	500
8	Santalidih TPP	WB / WBPDC	U-5	250	07/2004	01/2007	07.11.07(A)	250
9	Sagardighi TPP	WB / WBPDC	U-1 U-2	300 300	07/2004	01/2007 04/2007	21.12.07(A) U-2 Slipped	300
10	Bakreshwar TPS-II	WB / WBPDC	U-4 U-5	210 210	11/2004	06/2007 09/2007	23.12.07(A) U-5 Slipped	210
11	Yamuna Nagar TPP	Haryana/HPGCL	U-1 U-2	300 300	09/2004	10/2007 01/2008	13.11.07(A) 29.03.08(A)	300 300
12	AmarkantakTPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	Slipped	
13	Valuthur CCPP Extn.	TN/TNEB	GT ST	60 32.2	05/2006	11/2007 02/2008	Slipped	
14	Durgapur TPS Extn.	WB/DPL	U-7	300	07/2004	01/2007	24.11.07(A)	300
15	Sanjay Gandhi TPP Extn. St.III (Birsinghpur)	MP/MPPGCL	U-5	500	08/2003	09/2006	18.06.07(A)	500
16	Paras TPS Extn	Maharastra/MSPGCL	U-1	250	05/2004	11/2006	31.05.07(A)	250
		Sub Total (B)		5017.2				3880
C	Private Sector							
1.	OP Jindal (Raigarh)TPP Ph.I & II	Chhattis./Jindal Power	U-1 U-2 U-3 U-4	250 250 250 250	06/2004	05/2007 09/2007 12/2007 04/2008	02.09.07(A) 06.03.08(A) 10.02.08(A) U-4 slipped	250 250 250
2.	Sugen CCPP	Gujarat /Torrent Power Gen. Ltd.	Block-1 Block-2 Block-3	376 376 376	06/2005	09/2007 12/2007 02/2008	Slipped	
3	Gautami CCPP	AP/ Gautami Power Ltd.	GT -1 GT- 2 ST	145 145 174	09/2003	02/2006 02/2006 07/2006	slipped	
4	Konaseema CCPP	AP/Konaseema EPS	GT-1 GT-2 ST	140 140 165	03/2001	10/2005 03/2006 03/2006	Slipped	
		Sub Total ©		3037				750
		GRAND TOTAL(A+B+C)		12704.2				6620

2.1 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2008-09

SI No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Schedule	Actual date of Comm.	Cap. Added (MW)
A	CENTRAL SECTOR							
1	Bhilai Extn. TPP	Chhattisgarh / NSPCL (NTPC & SAIL JV)	U-1 U-2	250 250	03/2009	04/2008 10/2008	20.04.08(A) Slipped	250
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2004	06/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-5	500	12/2003	04/2008	27.12.08(A)	500
4	Kahalgaon 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	Barsingar 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	Valthur 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	Amrkanak TPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	15.06.08(A)	210
7	Giral Lignite- II	Rajasthan/ RRVUNL	U-2	125	11/2005	08/2008	Slipped	
8	Chhabra TPS	Rajasthan/ RRVUNL	U-1 U-2	250 250	03/2006	11/2008 02/2009	Slipped Slipped	
9	Surat Lignite TPP Extn.	Gujarat/ GIPCL	U-3 U-4	125 125	03/2006	11/2008 04/2009	Slipped Slipped	
10	Kota TPP	Rajasthan/ RRVUNL	U-7	195	06/2006	02/2009	Slipped	
11	Suratgarh TPP –IV	Rajasthan/ RRVUNL	U-6	250	06/2006	09/2008	Slipped	
12	Vijaywada TPP –IV	AP/ APGENCO	U-1	500	07/2005	12/2008	Slipped	
		Sub Total (B)		2957.2				852.2
C	Private Sector							
1	OP Jindal (Raigarh)TPP Ph.I & II	Chhattis./Jindal Power	U-4	250	06/2004	04/2008	17.06.08(A)	250
2.	Sugen CCPP *	Gujarat /Torrent Power Gen. Ltd.	Block-1 Block-2 Block-3	376 376 376	06/2005	09/2007 12/2007 02/2008	04.02.09 (A) Slipped Slipped	382.5
3	Gautami CCPP	AP/ Gautami Power Ltd	GT -1 GT- 2 ST	145 145 174	09/2003	02/2006 02/2006 07/2006	Slipped	
4	Konaseema CCPP	AP/Konaseema EPS	GT-1 GT-2 ST	140 140 165	03/2001	10/2005 03/2006 03/2006	Slipped	
5	Pathadi TPS Ph-I (Lanco - Amarkantak Mega TPP)	Chattisgarh/ Lanco Amarkantak Power Pvt. Ltd.	U-1	300	05/2005	09/2008	Slipped	
6	Trombay TPS Extn.	Maharashtra/ Tata Power Co	U-8	250	06/2006	08/2008	26.03.09(A)	250
7	Torangallu Extn.	Karnataka/ JSW Energy Ltd	U-1 U-2	300 300	07/2006	12/2008 01/2009	Slipped Slipped	
		Sub Total (C)		3437				882.5
	GRAND TOTAL(A+B+C)			9304.2				2484.7

- Capacity has been revised from 376 to 382.5 MW.

2.2 THERMAL UNITS PROGRAMMED FOR COMMISSIONING DURING 2009-10

Sl No	Project Name/ Unit No.	State/ Impl. Agency	Targeted Cap. (MW)	LOA Date	Org. Comm. Schedule	Cap. (MW) Achieved	Anticipated/ Actual Date of Comm.
I	COMMISSIONING ASSURED						
A	CENTRAL SECTOR						
1	Kahalgao 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	Barsingar 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 (C)	5290			3987	
	TOTAL ASSURED (A+B+C)		10359			7956/ 9056	
II	COMMISSIONING WITH EFFORTS						
A	CENTRAL SECTOR						
1	Barsingsar Lignite U-2	Rajasthan/ NLC	125	12/2005	06/2009	----	Slipped
2	Mejia Extn. U-1	W.B/DVC	500	12/200 6	03/2010	----	Slipped
		Sub Total (A)	625				
B	STATE SECTOR						
1	Kakatiya TPP U-1	AP/ APGENCO	500	07/200 5	05/2009	-----	Slipped
2	Surat Lignite TPP Extn. U-4	Gujarat/ GIPCL	125	03/200 6	04/2009		Slipped
3	Rajiv Gandhi TPS, Hissar U-2	Haryana/ HPGCL	600	01/20 07	03/2010	-----	Slipped
4	Chhabra TPS U-2	Rajasthan/ RRVUNL	250	03/2006	02/2009		Slipped
		Sub Total (B)	1475			----/----	
C	PRIVATE SECTOR						
1	Rithala CCPP GT1	Delhi/ NDPL	35.75	05/200 8	04/2010	-----	Slipped
	GT2	Delhi/ NDPL	35.75		05/2010	-----	Slipped
	ST	Delhi/ NDPL	36.50		07/2010	-----	Slipped
2	Jallipa-Kapurdi TPP U-5	Rajasthan/ Raj West Power Ltd (JSW)	135	03/20 07	07/2010	-----	Slipped
3	Rosa TPP Ph-I U-1	UP/ Rosa Power supply Co. Ltd. (Reliance Energy)	300	03/200 8	02/2010	300	10.02.2010(A)
		Sub Total (C)	543			300	
	TOTAL COMMISSIONING WITH EFFORTS (A+B+C)		2643			300	
	TOTAL (ASSURED+ WITH EFFORTS		13002			9106	

2.3 THERMAL UNITS PROGRAMMED FOR COMMISSIONING DURING 2010-11

Sl No	Project Name	Impl Agency	Unit No	LOA Date	Targeted Cap. (MW)	Org. Comm. Schedule	Commd . 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 CCPP Extn.	GSECL	GT	01.01.08	223	02/2010		Slipped
			ST		128	04/2010		Slipped
14	Pipavav CCPP	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 CCPP	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	Santaldih TPP Extn Ph-II U-6# WBPCL	BHEL	23.03.07	Aug-09	250	Jul-11	29.06.11(A)	250
9	Bhusawal TPS Expn. U-4# MSPGCL	BHEL	23.01.07	Sep-10	500	Jul-11	07.03.12(A)	500
10	Bhusawal TPS Expn. U-5 MSPGCL	BHEL	23.01.07	Jan-11	500	Jan-12	30.03.12(A)	500
11	Kothagudem TPP –VI U-1 APGENCO	BHEL	22.02.07	May-10	500	Jun-11	26.06.11(A)	500
12	Pragati CCGT – III ST-1# PPCL	BHEL	30.05.08	Jul-10	250	Oct-11	29.02.12(A)	250
13	Pragati CCGT – III GT-3# PPCL	BHEL	30.05.08	Jul-10	250	Sep-11		
14	Harduaganj Ext. U-8# UPRVUNL	BHEL	28.06.06	Aug-09	250	Sep-11	26.09.11(A)	250
15	Harduaganj Ext. U-9# UPRVUNL	BHEL	28.06.06	Dec-09	250	Feb-12		
16	Hazira CCPP Extn. GT+ST # GSECL	BHEL	01.01.08	Mar-10	351	Aug-11	18.02.12(A)	351
17	Bellary TPP St-II U-2 KPCL	BHEL	31.08.06	Jan-11	500	Nov-11	23.03.12(A)	500
18	Lakwa Waste Heat Unit ST	BHEL	03/06				24.12.11(A)	37.2
	Total of State Sector				4101			3638.2
	Private Sector							
18	JSW Ratnagiri TPP U-3# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Jul-10	300	May-11	06.05.11(A)	300
19	JSW Ratnagiri TPP U-4# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Sep-10	300	Oct-11	08.10.11(A)	300
20	Anpara-C TPS U-1# Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	Jun-11	600	Oct-11	15.11.11(A)	600
21	Anpara-C TPS U-2 Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	May-11	600	Jan-12	12.11.11(A)	600
22	Maithon RB TPP U-1# DVC- JV Tata	BHEL	25.10.07	Oct-10	525	Jul-11	30.06.11(A)	525
23	Maithon RB TPP U-2 MPL JV of DVC and Tata Power	BHEL	25.10.07	Apr-11	525	Jan-12	23.03.12(A)	525

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

3.0 Thermal Units Programmed for Commissioning During 2012-13

State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Com Cap (MW)	Comm. Date	
								Envisaged at the beginning of year	Ant. /Act(A)
CENTRAL SECTOR									
Chhattisgarh	Sipat -I	NTPC	U-3	Apr-04	Others	660	660	06/12	02.06.12(A)
Haryana	Indira Gandhi TPP	APCPL	U-3	Jul-07	BHEL	500	500	12/12	07.11.12(A)
Jharkhand	Kodarma TPP	DVC	U-2	Jun-07	BHEL	500	500	12/12	15.02.13(A)
Maharashtra	Mouda TPP	NTPC	U-1	Nov-08	BHEL	500	500	07/12	19.04.12(A)
Maharashtra	Mouda TPP	NTPC	U-2	Nov-08	BHEL		500		29.03.13(A)
MP	Vindhyachal TPP-IV	NTPC	U-11	Jan-09	BHEL	500	500	07/12	14.06.12(A)
MP	Vindhyachal TPP-IV	NTPC	U-12	Jan-09	BHEL		500		22.03.13(A)
TN	Vallur TPP Ph-I	NTECL	U-2	Aug-07	BHEL	500	500	02/13	28.02.13(A)
Tripura	Tripura Gas	ONGC	Module-	Jun-08	BHEL	363.3	363.3	11/12	03.01.13 (A)
UP	Rihand TPP-III	NTPC	U-5	Feb-09	BHEL	500	500	06/12	25.05.12(A)
			Total Central Sector			4023.3	5023.3		
STATE SECTOR									
Chhattisgarh	Korba West Extn.St.III TPP	CSEB	U-5		BEHL		500		22.03.13(A)
Chhattisgarh	Marwa TPP	CSEB	U-1	Apr-08	BHEL	500		02/13	Slipped
Delhi	Pragati CCGT - III	PPCL	GT-3	May-08	BHEL	250	250	08/12	27.06.12(A)
Gujarat	Pipavav CCPP	GSECL	Block-2	Dec-07	BHEL	351	351	01/13	27.03.13(A)
	Ukai TPP Extn	GSECL	U-6	Sep-07	BHEL	490	490	12/12	05.03.13(A)
Rajasthan	Ramgarh CCGT	RRVUNL	GT	Aug-09	BHEL	110	110	01/13	20.03.13(A)
	Ramgarh CCGT	RRVUNL	ST-1		BHEL	50		02/13	Slipped
MP	Satpura TPP Extn.	MPPGCL	U-10	Mar-08	BHEL	250	250	02/13	22.03.13(A)
TN	Mettur TPP Ext	TNEB	U-1	Aug-08	Chinese	600	600	06/12	11.10.12(A)
	North Chennai Extn.	TNEB	U-2	Aug-08	BHEL	600	600	03/13	09.03.13(A)
UP	Harduaganj Ext	UPRVUNL	U-9	Jun-06	BHEL	250	250	05/12	25.05.12(A)
	Parichha Extn	UPRVUNL	U-5	Jun-06	BHEL	250	250	06/12	24.05.12(A)
	Parichha Extn	UPRVUNL	U-6			250	250	09/12	11.03.13(A)
			Total -State Sector			3951	3911		
PRIVATE SECTOR									
AP	Simhapuri TPP Ph-1	Madhucon Projects Ltd.	U-2	Jan-09	Chinese	150	150	09/12	02.07.12(A)
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-1	Aug-09	Chinese	150	150	08/12	09.09.12(A)
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-2			150		11/12	Slipped
Chhattisgarh	Kasaipalli TPP	M/s ACB (India)	U-2	Nov-08	Chinese	135	135	06/12	21.06.12(A)
	Salora TPP	M/s Vandna Vidyut	U-1	Nov-08	Chinese	135		12/12	Slipped
	Swastik Korba TPS	ACB	U-1		Others	25		06/12	Slipped
	Ratija TPP	SCPL	U-1		Chinese		50		04.02.13(A)

Gujarat	Mundra Ultra Mega TPP	Tata Power Co.	U-2	May-07	Others	800	800	12/12	25.07.12(A)
	Mundra Ultra Mega TPP	Tata Power Co.	U-3	May-07	Others		800		16.10.12(A)
	Mundra Ultra Mega TPP	Tata Power Co.	U-4	May-07	Others		800		16.01.13(A)
	Mundra Ultra Mega TPP	Tata Power Co.	U-5	Jun-07	Others		800		18.03.13(A)
	UNO-SUGEN 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		Slipped	03/14
Tripura	Tripura CCGT	ONGC JV	Blk-2	06/08	BHEL	363.3		Slipped	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		Slipped	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
Maharashtra	Chandrapur TPS Extn.	MAHAGENCO	8	07/08	BHEL	500		Slipped	12/13
Rajasthan	Kalisindh TPP	RRVUNL	1	07/08	SEPCO, CHINA	600		Slipped	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		Slipped	01/14
Rajasthan	Ramgarh CCPP	RRVUNL	ST	08/09	BHEL	50		Slipped	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		Slipped	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		Slipped	12/13
Chhattisgarh	Akaltara TPP	KSK Mahanadi	1	04/09	SEC,CHIINA	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
Maharashtra	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		Slipped	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		Slipped	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		Slipped	06/13
Punjab	Talwandi Sahib TPP	Sterlite	1	07/09	SEPCO I, CHINA	660		Slipped	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		Slipped	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		Slipped	Jan-15
	Parli TPS Expn.	MSPGCL	BHEL	Coal	U-8	21.01.09	250		Slipped	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		Slipped	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		Slipped	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		Slipped	Oct-14
Chhattisgarh	Swastic Korba TPP	ACB India Ltd.	Blr:ISGEC 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		Slipped	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		Slipped	Jul-14
Maharashtra	Dhariwal TPP	Dhariwal Infrastructure Ltd	Chinese	Coal	U-2	28.04.10	300	300	28.05.2014	Jun-14
Orissa	Derang TPP	JIPL	BHEL	Coal	U-1	26.07.09	600	600	10.05.2014	Jun-14
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	L&T	Coal	U-2	16.07.10	700	700	06.07.2014	Jul-14
Punjab	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-1	18.07.09	660	660	17.06.2014	May-14
Punjab	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-2	18.07.09	660		Slipped	Sep-14
WB	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 CCPP	Torrent Power	Siemens Germany	gas	Block-II	02.07.2010		400	23.04.2014	
Gujarat	Dhuvaran CCPP	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 CCPP	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	Unit No	BTG Supplier	Cap. (MW)	Anti.Comm. (beginning of the year)	Now Anti. Comm.	Cap. Add (MW)	Actual Date of Comm.
CENTRAL SECTOR									
Assam	Bongaigaon TPP	NTPC	U-1	BHEL	250	06/2015		250	22.06.15(A)
Bihar	Muzafferpur	NTPC	U-4	BHEL	195	02/2016	03/2016		
MP	Vindhyachal TPP-V	NTPC	U-13	BHEL	500	12/2015		500	06.08.15(A)
Tripura	Agratala STG	NEEPCO	ST-2	Thermax	25.5	05/2015	01/2016		
Tripura	Monarchak CCPP	NEEPCO	ST	BHEL	35.6	08/2015	02/2016	35.6	14.01.16(A)
TN	Tuticorin TPP	NLC	U-2	BHEL	500	07/2015		500	09.07.15(A)
WB	Raghunathpur TPP,Ph-I	DVC	U-2	Chinese	600	01/2016	01/2016	600	18.01.16(A)
		Total Central Sector			2106.1			1885.6	
STATE SECTOR									
Chhattisgarh	Marwa TPP	CSPGCL	U-2	BHEL	500	09/2015	02/2016		
Gujarat	Sikka TPS	GSECL	U-4	BHEL	250	12/2015		250	25.09.15(A)
Karnataka	Bellary TPS St-III	KPCL	U-3	BHEL	700	12/2015	01/2016	700	01.03.16(A)
Karnataka	Yermarus TPP	KPCL	U-1	BHEL	800	01/2016	02/2016		
Maharashtra	Chandrapur TPS	MSPGCL	U-9	BHEL	500	10/2015	02/2016		
Maharashtra	Koradi TPS Expn.	MSPGCL	U-9	L&T	660	09/2015	02/2016	660	15.03.16(A)
Maharashtra	Koradi TPS Expn.	MSPGCL	U-10	L&T	660	02/2016	05/2016		
Maharashtra	Parli TPS	MSPGCL	U-8	BHEL	250	01/2016	03/2016		
Rajasthan	Kalisindh TPP	RVUNL	U-2	Chinese	600	05/2015		600	06.06.15(A)
Telangana	Singareni TPP	Singareni Collieries Co Ltd	U-1	BHEL	600	01/2016	03/2016	600	13.03.16(A)
Telangana	Kakatiya TPS Extn.	T GENCO	U-1	BHEL	600	12/2015	12/2015	600	31.12.15(A)
UP	Anpara-D TPS	UPRVUNL	U- 6	BHEL	500	06/2015		500	06.06.15(A)
UP	Anpara-D TPS	UPRVUNL	U- 7	BHEL	500	12/2015	02/2016	500	06.03.16(A)
WB	Sagardighi TPS-Extn	West Bengal	U-3	BHEL	500	09/2015	12/2015	500	14.12.15(A)
WB	Sagardighi TPS-Extn	West Bengal	U-4	BHEL	500	01/2016	06/2016		
		Total State Sector			8120			4910	
PRIVATE SECTOR									
AP	Painampuram TPP	Thermal Power Tech Corporation Ltd	U-2	Chinese	660	08/2015		660	03.09.15(A)
AP	Vizag TPP	Hinduja National Power Corp. Ltd	U-1	BHEL	520	10/2015	02/2015	520	27.12.15(A)
Chhattisgarh	Bandakhar TPP	M/s Maruti Clean (Chhattisgarh) Ltd.	U-1	Chinese	300	06/2015		300	19.06.15(A)
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	U-1	Chinese	360	06/2015		360	28.10.15(A)
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	U-1	Chinese	300	06/2015		300	05.06.15(A)
Chhattisgarh	BALCO TPP	BALCO Pvt Ltd	U-2	Chinese	300	09/2015	02/2016		
Chhattisgarh	Raikheda TPP	GMR	U-2	Doosan (Non-BHEL)	685	12/2015	02/2016		
Chhattisgarh	Salora	Vandana Vidyut	U-2	Chinese	135	09/2015	2016-17		
Maharashtra	Nasik TPP Ph-I	Ratan India (Nasik) Power Ltd	U-2	BHEL	270	01/2016	03/2016		
MP	Anuppur TPP Ph-I	MB Power(MP)	U-1	Chinese	600	06/2015		600	20.04.15(A)
Orissa	Ind Bharat TPP (Orissa)	Ind Barath	U-1	Chinese	350	10/2015	01/2016	350	25.02.16(A)
Punjab	Talwandi Sabo TPP	Talwandi Sabo Power Ltd	U-2	Chinese	660	06/2015		660	30.10.15(A)
Punjab	Talwandi Sabo TPP	Talwandi Sabo Power Ltd	U-3	Chinese	660	12/2015	03/2016		
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	U-2	BHEL	660	09/2015		660	08.01.16(A)
UP	Prayagraj (Bara) TPP	Prayagraj power Gen. Co. Ltd(J.P.Power Ventures)	U-1	BHEL	660	10/2015		660	25.12.15(A)
		Total Private Sector			7120			5070	
	Grand Total 2015-16				17346.1			11865.6	
Additional Units Commissioned / likely to be commissioned									
AP	Lanco Kondapalli Extn. Ph-III (PS)	Lanco Kondapalli Power Co.Ltd	Block-I	Others	371			371	07.08.15(A)
AP	Lanco Kondapalli Extn. Ph-III (PS)	Lanco Kondapalli Power Co.Ltd	Block-II	Others	371			371	05.09.15(A)
AP	Vemagiri CCPP-II (PS)	GMR Rajahmundry Energy Ltd.	Block-I	Others	384			384	12.09.15(A)
AP	Vemagiri CCPP-II (PS)	GMR Rajahmundry Energy Ltd.	Block-II	Others	384			384	05.10.15(A)
TN	ITPCL TPP	IL&FS TN PC.Ltd	U-1	Chinese	600			600	19.09.2015
TN	Melamaruthur (Mutlara)	Coastal Energen	U-2	Chinese	600			600	02.01.16(A)
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	U-2	Chinese	360			360	28.01.16(A)
Punjab	Goindwal Sahib TPP	GVK Power	U-1	BHEL	270			270	14.02.16(A)
Punjab	Goindwal Sahib TPP	GVK Power	U-2	BHEL	270			270	15.03.16(A)
		Total Additional			4240			3610	
		Grand Total						15475.6	

	Central Sector		State Sector		Private Sector		Total	
	Target	Ach.	Target	Ach.	Target	Ach.	Target	Ach.
BHEL	1480.6	1285.6	6200	3650	2110	2380	9790.6	7315.6
Chinese	600	600	600	600	4325	4790	5525	5990
Others	25.5	0	1320	660	685	1510	2030.5	2170
Total	2106.1	1885.6	8120	4910	7120	8680	17346.1	15475.6

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

Sector	State	Project Name	Impl. Agency	Main Equip. Supplier	Unit No.	Cap. (MW)	AS ON 21-Mar-2016	
							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	250	22-06-15
					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	02-06-12
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	500	09-07-15
		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	35.6	14-01-16
		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	600	18-01-16
Sub Total :						14877.6	10702.6	
<u>STATE SECTOR</u>								
AP		Damodaram Sanjeevaiah TPS	APPDL	Non-BHEL	U-1	800	800	28-08-14
					U-2	800	800	17-03-15
Assam		Rayalseema St-IV U-6	APGENCO	BHEL	U-6	600	---	
		Namrup CCGT	APGCL		GT	70	---	
					ST	30	---	
Chhattisgarh		Korba West St-III.	CSPGCL		U-5	500	500	22-03-13
		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	GPPCL		Block-1	351	351	05-02-14
					Block-2	351	351	27-03-13
		Sikka TPS Extn.	GSECL		U-3	250	250	29-03-15
		Ukai TPP Extn.			U-6	500	500	05-03-13
Maharashtra		Chandrapur TPS Extn.	MSPGCL		U-8	500	500	29-03-15
		Koradi TPS Expn.		NON-BHEL	U-8	660	660	30-03-15

Sector	State	Project Name	Impl. Agency	Main Equip. Supplier	Unit No.	Cap. (MW)	Cap (MW) Achieved	Actual Comm. Date	
Maharashtra MP		Parli TPS Expn.	MSPGCL	BHEL	U-8	250	---		
		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	
Rajasthan					U-10	250	250	22-03-13	
					U-11	250	250	25-12-13	
		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	
TN					ST	50	50	01-05-14	
		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	500	06-06-15	
					U-7	500	500	06-03-16	
		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	12472		
PRIVATE SECTOR									
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	660	03-09-15	
		Simhapuri Energy Pvt.Ltd	Ph-I Madhucon Projects Ltd		U-2	150	150	02-07-12	
		Thamminapatnam TPP-I	Meenakshi 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	520	27-12-15	
	Chhattisgarh					U-2	525	---	
			Akaltara (Naiyara) TPP	KSK Mahandi Power Company Ltd	CHINESE	U-1 (3rd)	600	600	13-08-13
					U-2 (4th)	600	600	22-08-14	
					U-3(2nd)	600	---		
		Avantha Bhandar TPP, U-1	Korba West Power Co. Ltd.	BHEL	U-1	600	600	31-03-14	
		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	300	04-06-15	
					U-2	300	---		
		Bandakhar TPP	M/s Maurti Clean Coal & Power Ltd		U-1	300	300	19-06-15	
		Binjkote TPP	SKS Power Gen.(Chhattisgarh Ltd)		U-1	300	---		
					U-2	300	---		
					U-3	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	---			
				U-2	300	---			
	Ratija TPP	Spectrum Coal & Power Ltd		U-1	50	50	04-02-13		

<i>Sector</i>	<i>State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip. Supplier</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
Chhattisgarh		Salora TPP	M/s Vandana Vidyut	CHINESE	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	360	28-10-15
					U-2	360	360	28-01-16
					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 (Mahatama 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-I	M/s Corporate Power Ltd		U-1	270	---	
Maharashtra		Amravati TPP Ph-I	Ratan India Power Pvt Ltd.		U-2	270	---	
					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	---	
MP		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
		Anuppur TPP Ph-I	MB Power MP		U-1	600	600	20-04-15
					U-2	600	---	
		Bina TPP	Bina Power Supply Co. Ltd	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	350	25-02-16
					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	---	
Punjab		Lanco Babandh TPP	Lanco Babandh Power Ltd		U-1	660	---	
		Sterlite TPP	Sterlite Energy Ltd.		U-4	600	600	25-04-12
		Goindwal Sahib TPP	GVK Power	BHEL	U-1	270	270	14-02-16

Sector	State	Project Name	Impl. Agency	Main Equip. Supplier	Unit No.	Cap. (MW)	Cap (MW) Achieved	Actual Comm. Date
Punjab	Goindwal Sahib TPP Rajpura TPP (Nabha)		GVK Power Nabha Power Ltd	BHEL NON-BHEL	U-2	270	270	15-03-16
					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	660	30-10-15	
				U-3	660	---		
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)		U-5	135	135	05-02-13	
				U-6	135	135	03-03-13	
				U-1	660	---		
TN	Tuticorin TPP (Ind- Barath TPP)	IBPIL						
UP	Prayagraj (Bara) TPP	Prayagraj power Gen. Co.Ltd(J.P.Power Ventures)	BHEL	U-1	660	660	25-12-15	
				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	
				Sub Total :		43540	26055	
				Total :		72339.6	49229.6	
ADDITIONAL PROJECTS LIKELY TO BE COMMISSIONED DURING 12TH PLAN AND BEYOND								
CENTRAL SECTOR								
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	---		
				U-1	660	---		
MP	Gadarwara STPP		BHEL	U-2	660	---		
				U-1	800	---		
				U-2	800	---		
	Khargone TPP		NON-BHEL	U-1	660	---		
				U-2	660	---		
				U-13	500	500	06-08-15	
Orissa	Vindhyachal TPP-V Darlipali STPP		NON-BHEL	U-1	800	---		
				U-2	800	---		
Telangana	Telangana Ph-I			U-2	800	---		
				U-I	800	---		
TN	Neyveli New TPP	NLC		U-1	500	---		
Tripura	Agartala CCPP	NEEPCO	NON-BHEL	U-2	500	---		
				ST-1	25.5	---		
UP	Meja STPP	JV of NTPC & UPRVUNL		ST-2	25.5	25.5	22-03-15	
				U-1	660	---		
				U-2	660	---		
	Tanda TPS -II	NTPC		U-1	660	---		
				U-2	660	---		
				U-6	500	---		
WB	Unchahar TPS St-IV Raghunathpur TPP Ph-II	DVC	BHEL	U-1	660	---		
				U-2	660	---		
				Sub Total :		22731	525.5	
STATE SECTOR								
Bihar	Barauni TPS Extn	BSEB	BHEL	U-8	250	---		
				U-9	250	---		

Sector	State	Project Name	Impl. Agency	Main Equip. Supplier	Unit No.	Cap. (MW)	Cap (MW) Achieved	Actual Comm. Date
Gujarat		Bhavnagar CFBC TPP	Bhavnagar Energy	BHEL	U-1	250	---	
					U-2	250	---	
		Dhuvaran CCGP-III	GSECL	OTHERS	Block-1	376.1	376.1	21-05-14
		Sikka TPS Extn.		BHEL	U-4	250	250	25-09-15
Karnataka		Wankbori TPS Extn			U-8	800	---	
		Bellary TPP St-III	KPCL		U-3	700	700	01-03-16
		Yermarus TPP			U-1	800	---	
					U-2	800	---	
Maharashtra		Chandrapur TPS Extn.	MSPGCL		U-9	500	---	
		Koradi TPS Expn.		NON-BHEL	U-10	660	---	
MP					U-9	660	660	15-03-16
		Shree Singaji TPP Phase-II	MPGENCO		U-3	660	---	
Orissa					U-4	660	---	
		IB Valley TPP	OPGCL	BHEL	U-3	660	---	
Rajasthan					U-4	660	---	
		Chhabra Super Critical TPP.	RRVUNL		U-5	660	---	
Telangana					U-6	660	---	
		Kalisindh TPP		CHINESE	U-2	600	600	06-06-15
		Suratgarh TPS		BHEL	U-7	660	---	
					U-8	660	---	
		Bhadradi TPP (Manuguru)	TGENCO		U-1	270	---	
					U-2	270	---	
					U-3	270	---	
					U-4	270	---	
		Kakatiya TPS Extn	T GENCO		U-1	600	600	31-12-15
		Kothagudem TPS St-VII	TGENCO		U-1	800	---	
		Singareni TPP	Singareni Collieries Co. Ltd		U-1	600	600	13-03-16
					U-2	600	---	
	TN		Ennore Super Critical TPP	TANGEDCO		U-1	660	---
					U-2	660	---	
Tripura		Ennore TPP Expansion		Chinese	U-1	660	---	
		Rokhia CCGP	Govt.of Tipura	BHEL	GT-9	21	21	31-08-13
UP		Harduaganj Expn II	UPRVUNL	Non-BHEL	U-1	660	---	
WB		Durgapur TPS Extn U-8	DPL	BHEL	U-8	250	250	31-03-14
		Sagardighi TPS-II	WBPCL		U-3	500	500	14-12-15
					U-4	500	---	
Sub Total :						20017.1	4557.1	
PRIVATE SECTOR								
AP		Lanco Kondapalli CPP Expn. St.III	Kondapalli Power Pvt. Ltd.	Others	Module-1	371	371	07-08-15
					Module-2	371	371	05-09-15
		Simhapuri Energy Pvt Ltd Ph-II	Madhucon Projects Ltd.	CHINESE	U-3	150	150	21-02-14
Bihar					U-4	150	150	06-03-15
		Vemagiri CCGP-II	GMR Rajahmundry Energy Ltd.	OTHERS	Block-I	384	384	12-09-15
					Block-II	384	384	05-10-15
		Jas Infra TPP Ph-I	JICPL	CHINESE	U-1	660	---	
Chhattisgarh					U-2	660	---	
					U-3	660	---	
					U-4	660	---	
		Akaltara (Naiyara) TPP	KSK Mahandi Power Company Ltd		U-4 (5th)	600	---	
					U-5(1st)	600	---	
					U-6	600	---	
		Binjkote TPP	SKS Power Gen.(Chhattisgarh Ltd)		U-4	300	---	
		Chakabura TPP	ACB India	NON-BHEL	U-1	30	30	28-03-14
		Deveri TPP (Visa TPP) Raigarh	Visa Power Ltd	BHEL	U-1	600	---	

Sector	State	Project Name	Impl. Agency	Main Equip. Supplier	Unit No.	Cap. (MW)	Cap (MW) Achieved	Actual Comm. Date
Chhattisgarh		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	---	
		Tamnara TPP (Raigarh)	O.P.Jindal	BHEL	U-3	600	600	07-01-15
Gujarat					U-4	600	600	28-03-15
		Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-4	360	---	
		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
Jharkhand					U-4	800	800	16-01-13
					U-5	800	800	18-03-13
		Unosugen Mega CCPP	Torrent Energy Ltd		Module-1	382.5	382.5	20-01-13
		Mata Shri Usha TPP-Ph-II	Corporate Power Ltd	BHEL	U-3	270	---	
					U-4	270	---	
		Tori TPP	Essar Power	CHINESE	U-1	600	---	
Maharashtra					U-2	600	---	
		Tori TPS Ph-II			U-1	600	---	
		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	---	
		Bijora Ghanmukh TPP	M/s Jinbhuvish Power Gen. Pvt.Ltd.	CHINESE	U-1	300	---	
		Butibori TPP Ph-II	Vidarbha Industries Power		U-2	300	300	31-03-14
MP		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
		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
		Niwari TPP	BLA Power Ltd		U-2	660	660	17-02-15
					U-1	45	45	10-12-13
Orissa					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
		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	---	
Rajasthan								
		Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	CHINESE	U-2	525	---	
					U-7	135	135	16-03-13
					U-8	135	135	28-02-13
TN		Kawai TPP	Adani Power Ltd.		U-1	660	660	28-05-13
					U-2	660	660	24-12-13
		ITPCL TPP	IL&FS Tamil Nadu Power Company Ltd		U-1	600	600	19-09-15
TN		Melamaruthur TPP	Coastal Energen		U-2	600	---	
					U-1	600	600	02-12-14
		Melamaruthur TPP	Coastal Energen	Chinese	U-2	600	600	02-01-16
		Tuticorin TPP-II(Ind barath)	Ind Barath		U-1	150	150	31-01-13
UP								
		Tutuicorin TPP St-IV	SEPC	BHEL	U-2	150	150	30-12-13
		Lalitpur TPP	Lalitpur power Generation Co. Ltd		U-1	525	---	
					U-1	660	660	08-01-16
					U-2	660	---	
					U-3	660	---	
Sub Total :						37007.5	18882.5	
Total :						79755.6	23965.1	
Over All Total:						152095.2	73194.70	

CENTRAL SECTOR

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

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com.	COD	
1.	Barh STPP St-I (Dist: Patna),Bihar	1980					Unit-1: - Boiler erection started in Mar’11. - Boiler Hydro Test completed on 28.02.13. - Boiler light up expected by Dec, 16. - TG erection started in Aug’11. TG Box up completed on 28/12/13. - TG oil-flushing completion expected by Oct, 16.
	U-1	660	<u>03/09</u> <u>08/09</u> <u>06/13*</u> <u>10/13*</u>	11/13	<u>04/17</u> <u>05/17</u>	07/17	
	U-2	660	<u>01/10</u> <u>06/10</u> <u>12/13*</u> <u>04/14*</u>	05/14	<u>10/17</u> <u>11/17</u>	01/18	Unit-2: - Boiler erection started in Jul’11. - Boiler Hydro Test expected by Feb,17. - TG erection started in Sept’11. TG Box up completed in Jan’15. - TG oil-flushing completion expected by Apr,17.
	U-3	660	<u>11/10</u> <u>04/11</u> <u>06/14*</u> <u>10/14*</u>	11/14	<u>04/18</u> <u>05/18</u>	07/18	Unit-3: - Boiler erection started in Jan’12. - Boiler Hydro Test expected by Aug’17. - TG erection started in Mar’12. - TG box-up expected by Aug’17.
	Date of Sanction : -						
	Investment Approval : Feb’05						
	Sanctioning Authority : NTPC Board						
	Orig.Est. cost : Rs869300 lakhs						
	Latest.Est. Cost : Rs1509567 lakhs						
	Cum Exp.upto 2009 : Rs 396710 lakhs						
	Exp during 2009-10 : Rs 69539 lakhs						
	2010-11 : Rs 92200 lakhs						
	2011-12 :Rs 127200 lakhs						
	2012-13 :Rs 143300 lakhs						
	2013-14 :Rs 160100 lakhs						
	2014-15 :Rs 81100 lakhs						
2015-16 :Rs 50400 lakhs							
Cumulative Exp (up to Nov’15) :Rs 1101200 lakhs							
Type of fuel: Coal							
Fuel linkage							
Date of Main Plant Order (BTG) : SG : 03/2005 on M/s Technopromexport; Russia. (Terminated on 14.01.2015) TG : 03/2005 on M/s Power Machines Russia : 14/03/2005							
Zero Date							
Power Evacuation							
	Critical Areas	Unit-1: NIT for award of contracts for balance SG supply and erection is being done. HP Piping erection agency (PM) - PM to mobilize erection agency, supplies by PM. Unit-2: Boiler Press. Parts erection. Unit-3: sequential Supply of Pressure parts.					
	Delay reasons	Non-Performance by TPE. TPE stopped work from Oct’2013. SG contract to M/s TPE was terminated on 14.01.2015.					

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. Com	COD	Syn. Com	COD	
2.	Bongaigaon TPS, Distt: Kokrajhar. (Assam) NTPC	750					Main Plant Package (BTG): Order placed on M/s BHEL on 5-2-2008. Civil works order placed on M/s SPMC on 31-3-2008. AHP order placed on M/s McNelly Bharat on 25.6.2009. 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. - Condenser erection started in 2/10. TG erection started in 03/11& boxed up in 01/15. Unit achieved full load on 22/06/15. Unit-2: - Boiler Erection started on 3/10 & Drum lifted in 10/10. - Hydro test done in 04/12. BLU expected shortly & steam blowing completion by 03/16. - Condenser erection expected to start by 01/16. - TG erection started in 01/16. TG Box up expected by 10/16. 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 04/16. - TG deck casting expected in 03/16. TG erection expected to start in by 05/16. TG box up expected in 12/16. Chimney (Gammon): Raft concreting work completed in 2/10. CHP (McNelly Bharat) Order placed on 20.01.2010. <i>Owing to poor performance of main plant civil agencies (SPML, Punjilloyd) their contracts were terminated on 25.11.13. Balance works of U-2&3 awarded to NBCC on 29/09/14. NBCC finalized its sub agencies on 06/01/15. Concreting works commenced in Feb'15 due to delay in mobilization by M/s NBCC.</i>
	U#1	250	11/10 01/11	-	06/15 22/06/15	01/16	
	U#2	250	03/11 05/11	-	02/17 03/17	06/17	
	U#3	250	07/11 09/11	-	04/17 05/17	08/17	
	Date of approval		: 30/01/2008				
	Org.Est. cost		: Rs. 437535 Lakhs				
	Latest cost		: Rs. 674918 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		: Rs. 65700 Lakhs				
	Exp. During 2015-16		: Rs. 43200 Lakhs				
	Cumulative Exp (Up to Nov'15)		: Rs. 558800 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				
	Critical Areas		Civil works				
	Delay Reasons		• Inadequate deployment of manpower by BHEL and its sub-agencies affected the progress of Unit-1. • Law and order issues. Frequent bandhs leading to stoppage of work. • Work has come to halt in Jul'12, May'14 & Dec'14 due to violence and mass exodus of labour from site. • Poor performance of BOP/Civil contractors. • Heavy rains.				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com.	COD	
3.	Barh STPP St-II (Dist: Patna),Bihar	1320					Unit-4: - Boiler erection commenced in Aug'09. Boiler Hydro Test completed in Nov'11. Boiler light up completed on 25th Nov'12. SBO completed on 02/06/13. - TG erection commenced in Apr'11. TG Box up completed on 28th Feb'13. TG oil-flushing completed on 21/06/13. TG barring gear achieved in Aug'13. Unit Sync. with Coal on 12/10/2013. Unit commissioned on 30/11/2013. Unit achieved COD on 15/11/2014. Delay in readiness of CHP, AHP. Unit-5: - Boiler erection commenced in Feb'10. Boiler Hydro Test completed on 29/11/13. Boiler light up completed in 11th Jun'14. EDTA completed on 28.10.2014. SBO started on 17th Nov'14. and completed on 07th Jan'15. - TG erection commenced in Dec'11. TG Box up completed in Apr'14. TG oil flushing completed on 04.12.2014. Unit synchronized on 01.03.2015 and achieved full load on 04.03.2015.
	U-4	660	10/12 12/12	01/13	10/13(A) 11/13(A)	11/14(A)	
	U-5	660	08/13 10/13	11/13	03/15 03/15(A)	01/16	
	Date of Sanction: -						
	Investment Approval: Feb'08						
	Sanctioning Authority: NTPC Board						
	Orig.Est. cost: Rs 734104 lakhs						
	Latest.Est. Cost: Rs 734104 lakhs (under revision)						
	Exp.During 2007-08 : Rs 6677 lakhs 2008-09 : Rs 42080 lakhs 2009-10 : Rs 47347 lakhs 2010-11 : Rs 126600 lakhs 2011-12 : Rs 192600 lakhs 2012-13 :Rs 172300 lakhs 2013-14 :Rs 147900 Lakhs. 2014-15 (up to Feb'15) :Rs 97800 Lakhs						
	Cumulative Exp (up to Feb'15) :Rs 848000 lakhs						
	Type of fuel : Coal						
	Fuel linkage : 23491 TPD from Chhatti Bariyatu & Kerendari coal mines.						
	Date of Main Plant Order (BTG) SG : 03/2008 on M/s BHEL TG : 10/2008 on M/s BHEL Zero Date : 14/10/2008						
	Power Evacuation						
	Delay Reasons	Readiness of CHP, AHP. Boiler metallurgical issues. Delay in technology absorption by BHEL.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com.	COD	
4.	Kanti TPS St-II (Kanti Bijlee Utpadan Nigam ltd a JV of NTPC & BSEB) (Dist: Muzaffarpur) Bihar	390					Unit-3: - Boiler drum lifting completed in Mar’12. Boiler Hydro Test completed on 25th Feb’13. <i>ST charged on 27.08.2014</i>. 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. TG erection started on 29th Jan’13. TG box up is completed on 30.09.14. TG oil flushing completed in Mar’15. - Synchronization and full load achieved on 31.03.2015.
	U-3	195	09/12 10/12	11/12	<u>03/15(A)</u> <u>03/15(A)</u>	09/15	Unit-4: - Boiler drum lifting completed on 12th Sept’12. Boiler Hydro Test completed on 05.08.13. - Boiler light-up completed in 08/15. SBO completed in Nov’15. - TG erection started on 30th Sept’13. TG box up done on 09.01.16. TG oil flushing completion expected in 02/16. BoPs: - PT Plant and DM plant ready. - Chimney: Flue can erection completed for both units. - ID fan-A, FD fan-A, PA fan-A erection completed. Lube oil flushing in progress. - Bunkers-A,B,C and F erection completed. - FO System: All equipment erected & grouting done. Trestle from FOPH to C row completed. Piping work in progress. - CHP re-award expected. - AHP: Ash slurry p/h building works in progress. 08 foundations ready (04 pumps in each series). Pump erection in progress. - IDCT-4: Fan stack completed. Hot water header erection is progress. - CW system: 02 nos of CW pumps erected. Motor trial run completed. CW forebay and channel water filling in progress. - Raw water pump trial run completed. - Switchyard: Foundation work of ST-4 and GT-4 in progress.
	U-4	195	12/12 01/13	02/13	<u>03/16</u> 03/16	05/16	
	Date of Sanction : -						
	Investment Approval :						
	Sanctioning Authority : NTPC Board						
	Orig.Est. cost : Rs 315433 lakhs						
	Latest.Est. Cost : Rs 394216 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 : Rs 53806.00 lakhs 2015-16 : Rs 31766.00 lakhs						
	Total Expenditure(up to Dec’15) : Rs 312525 lakhs						
	Type of fuel : Coal						
	Fuel linkage						
	Date of Main Plant Order (BTG) Zero Date : 12/03/2010						
	Power Evacuation						
	Critical Areas	Unit-4 : Land Acquisition for Raw water pipe line- Action by KBUNL (2.5 km out of 5.0 km ready. Rest of 2.5 km Land acquisition to be done). CHP reawarded to Indure-Priority stream readiness. Ash slurry p/h, Ash water p/h mechanical works-Action by Techpro. Contingency arrangement for raw water supply.					
	Delay reasons	Readiness of CHP (retendering), AHP, raw water system. Delay in award of main plant civil package. Slow pace of civil works by HCC causing delay in front hand over to other erection agencies.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. com.	COD	Syn. com	COD		
5.	BRBCL Nabinagar TPP Bhartiya Rail Bijlee Co. Ltd.(A JV of NTPC & Indian Railways) (Dist: Aurangabad), Bihar	1000					Unit-1: Boiler erection started in May'11. Boiler drum lifted on 20/10/12. Boiler HT completed on 11.04.2014. BLU done in Mar'15. Chemical cleaning completed on 11.10.15. Temporary piping work started. SBO completed in Jan'16. Main Power House structure & mill bunker erection work is in progress. Condenser erection started on 26.2.13. TG erection started in Jan'14. TG Box-up done in Dec'15. TG oil flushing completed in Dec'15. Unit-2: Boiler erection started in Dec'11. Boiler drum lifting completed on 21 st Mar'13. Boiler HT completed in Feb'15. BLU expected in Mar'16 . Main Power House structure, mill bunker fabrication and erection work in progress. TG deck casting completed in 04/15. Condenser erection started in 05/15. TG erection started in Oct'15. Unit-3: Boiler erection started in Nov'11. Boiler drum lifting completed on 10.06.13. Boiler hydro test expected by Mar'16 . Main Power House structure, mill bunker fabrication and erection work is in progress. TG deck columns casting up to 7.46 m completed. TG deck casting completion expected in Feb'16. TG erection start expected in Apr'16 . Unit-4: Boiler erection started in Dec'12. Boiler drum lifting completed on 16.09.13. Boiler hydro test expected by Apr'16 . TG columns work in progress. TG deck casting expected in May'16. TG erection start expected by Jul'16 . ● Chimney: Chimney#1 (for U-1&2) shell casting completed. Chimney #2 shell casting in progress. (90/214m) ● CHP: Wagon tippler raft casting completed. Crusher house, TP's structural erection in progress. For Unit-1, Tripper erection in progress. 07 mills oil flushing in progress. PA ducting completed. Coal piping works are in progress. 05 out of 07 bunkers erected. ● AHP(Indure): Ash slurry sump ready. P/h ceiling to be done. Pumps foundations ready. Supply available. Dyke contract to be awarded. ● Railway siding: Awarded in M/s Rites. Total route length is 11.9 km (5.4 km inside+6.4 km outside) and track length is 35 km(16 km internal+19 km external) from Nabi nagar road railway station. Work is yet to start. ● CW Pump house: Forebay raft in progress. Pumps (02 Nos) erection completed. ● Raw water pump house: 5 km distance from plant. Land acquisition is not complete. ● DM plant vessels erection done. Piping works done. ● PT Plant: Clarifier 1 and filter house ready Chlorination building works in progress. ● FO system: LDO tanks ready. HFO tanks erection done. HT to be completed. 09 Nos of unloading pumps erected. ● IDCT Cooling Tower package has been awarded on 19/09/13. Civil work of basin & wall completed. Erection – 2nd lift – 5/20 cells completed. Staircase work in progress.	
U-1	250	<u>08/10*</u> <u>10/10*</u> <u>12/12**</u> 02/13**	06/13	<u>02/16</u> 03/16	04/16			
U-2	250	<u>02/11*</u> <u>04/11*</u> <u>03/13**</u> 05/13**	10/13	<u>02/17</u> 03/17	04/17			
U-3	250	<u>08/11*</u> <u>10/11*</u> <u>06/13**</u> 08/13**	02/14	<u>06/17</u> 07/17	08/17			
U-4	250	<u>02/12*</u> <u>04/12*</u> <u>09/13**</u> 11/13** (* Original / ** revised)	06/14	<u>09/17</u> 10/17	11/17			
Date of Sanction		:-						
Investment Approval		: January'2008.						
Sanctioning Authority		: BRBCL board accorded investment approval						
Orig.Est. cost		: Rs 535251 lakhs						
Latest.Est. Cost		: Rs 535251 lakhs						
Expenditure during								
2007-08		: Rs 26319 lakhs						
2008-09		: Rs 6837 lakhs						
2009-10		: Rs 19617 lakhs						
2010-11		: Rs 22680 lakhs						
2011-12		: Rs 48713 lakhs						
2012-13		: Rs109668 lakhs						
2013-14		: Rs130068 lakhs						
2014-15		: Rs 90604 lakhs						
2015-16 (till 11/15)		: Rs 58425 lakhs						
Total Expenditure		: Rs 512927 lakhs						
Type of fuel		: Coal (Pachra and South Pachra blocks of North Karanpura Coalfields)						
Fuel linkage		5 MTPA (FSA signed on 29.08.13)						
Date of Main Plant Order (BTG)		23.01.2008 on M/s BHEL						
Zero Date		: 01/01/2008						
Power Evacuation		ATS work completed and is in charged condition.						
	Critical Areas	Unit-1 : Acquisition of Land (out of 1521.19 acres, 1330.74 acres in Physical possession, 74.25 Acres payment to be done, 92.14 acres legal possession available but physical possession not available, 29.93 acres yet to be acquired/taken over.), Civil Works, SG Supplies; Unit-2: SG Supplies, Land availability for ESP. Poor mobilization by M/s ERA(main plant civil agency); Unit-3: Boiler erection, Land availability for ESP. ; Unit-4: Str matl to be expedited, Land availability for ESP. Land acquisition issues for make up water corridor, railway siding & critical patches inside plant and ash dyke due to unwillingness of people to accept compensation. Frequent bandhs/Local agitation by villagers.						
	Delay reasons	Delay in land acquisition, Civil Works, SG Supplies . Frequent bandhs/Local agitation by villagers,						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com.	COD	
6.	NPGCPL Nabinagar STPP (Nabinagar Power Generating Co.Pvt Ltd. 50:50 JV of NTPC & BSPGCL) (Dist: Aurangabad), Bihar	1980					Rupee term loan agreement signed with REC on 08.02.2013. 2600 acres land is under possession. Balance 278.5 acres in under acquisition. NOC from BSPCB received on 08.04.2011.
	U-1	660	<u>11/16</u> 01/17	05/17	<u>04/17</u> 06/17	08/17	Boiler erection agency: U-1&3 – Powermech and U-2 is Indwell.
	U-2	660	<u>05/17</u> 07/17	11/17	<u>10/17</u> 12/17	02/18	Unit-1: Blr. erection started on 15th Jun’14 (delay: 05 months) Hydro test expected in Jun’16. Condenser erection started in 09/15. TG erection started in Jan’16 .
	U-3	660	<u>11/17</u> 01/18	05/18	<u>04/18</u> 06/18	08/18	Unit-2: Blr. erection started on 29 th Nov’14. Hydro test expected in Nov’16. TG raft casting completed.TG erection start expected in May’16.
	Date of Sanction	: -					
	Investment Approval	:					
	Sanctioning Authority	: NTPC Board					
	Orig.Est. cost	: Rs 13624.02 Crores					
	Latest.Est. Cost	: Rs 13624.02 Crores					
	Exp.During 2008-09	:Rs 10 lakhs					
	2009-10	:Rs 22290 lakhs					
	2010-11	:Rs 8300 lakhs					
	2011-12	:Rs 38392 lakhs					
	2012-13	:Rs 71117 lakhs					
	2013-14	:Rs 36991 lakhs					
	2014-15	:Rs 151000 lakhs					
	2015-16	:Rs 1429.00 lakhs					
	Cum. Exp up to 12/15	Rs 471000 lakhs					
	Type of fuel	: Coal					
	Date of Main Plant Order (BTG)	TG –M/s ALSTOM-Bharat Forge on 31.03.2013. SG-Awarded to M/s BHEL on 31.01.2013.					
	Zero Date	: 31.01.2013					
	Critical Areas	Land acquisition for MUW corridor (13.1 Acres), Railway siding (63.21 Acres), outfall drainage corridor (17.01 Acres)					
	Delay reasons	Acquisition of land and relocation of homestead owners still living inside the project area.					
7.	Kudgi STPP St-I (Dist: Bijapur), Karnataka	2400					Unit-1: - Boiler erection started on 04.05.13.Boiler hydro test done in Jan’15. BLU done in Dec’15. <u>SBO start expected in Jan’16</u>. - Condenser erection started in Feb’14. TG erection started in Jun’14. TG box-up done on 24.04.2015. TG oil flushing started in Jun’15 and completed in Nov’15.
	U-1	800	<u>09/15</u> 12/15	04/16	<u>03/16</u> 03/16	05/16	Unit-2: - Boiler erection commenced on 20.08.13.Boiler hydro test done in Aug’15. BLU expected in Mar’16. - Condenser erection started on 14.11.14.TG erection started in Mar’15. TG box-up expected in May’16.
	U-2	800	<u>03/16</u> 06/16	10/16	<u>10/16</u> 01/17	03/17	Unit-3: - Boiler erection started in Sep’13. Boiler Hydro test expected in Mar’16. - Condenser & TG erection started in Sep’15. TG box-up expected in Sep’16.
	U-3	800	<u>09/16</u> 12/16	04/17	<u>01/17</u> 04/17	06/17	BoPs: Chimney: Chimney-1 (for unit-1) & Chimney-2 (for unit-2&3): Shell casting works completed.
	Date of Sanction	: -					
	Investment Approval	:Dec’2011.					
	Sanctioning Authority	: NTPC Board					
	Orig.Est. cost	: Rs 1516619 lakhs					
	Latest.Est. Cost	: Rs 1516619 lakhs					
	Exp.During 2011-12	:Rs 19200 lakhs					
	Exp.During 2012-13	:Rs 130400 lakhs					
	2013-14	: Rs 227700 Lakhs.					
	2014-15	: Rs 404700 Lakhs.					
	2015-16	: Rs 177700 Lakhs					
	Cum Exp(up to Nov’15)	:Rs 967600 lakhs					
	Type of fuel	: Coal					
	Coal block	Bhalumuda Captive coal block					
	Date of Main Plant Order (BTG)	SG: Feb’12, M/s Doosan Heavy Ind., Korea TG: Feb’12 on M/s Toshiba.					
	Zero Date	25.01.2012					
	Critical Areas	Land acquisition for Railway siding & Ash pipe corridor, main plant civil works					
	Delay reasons	Stoppage of work on account of NGT order -work stopped from 17.03.2014 to 01.04.2014. Work stoppage due to agitation against the project (05.07.2014 to 22.07.2014). Delay in award of SG civil works. Delay in TG erection start. Unrest and violent agitation in 07/14 with exodus of manpower.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com	COD	
8.	Mouda STPS St-II (Dist: Nagapur), Maharashtra	1320					Orders for Boiler, TG & Auxiliaries, foundations, steel structures and for power cycle piping have been placed in Mar'12&Apr'12 respectively. Orders for Generator Transformer, C&I equipment placed in Apr'12 and for CW pumps, CHP, AHP & LP piping placed in May'12. Unit-3: - Boiler erection started on 12/05/2013. - Boiler hydro test done in Nov'15. BLU done on 03/01/2016. SBO start expected in Jan'16. - Condenser erection started in Mar'14 and TG erection started on 30.10.14. (Delay: 05 months). TG box-up done on 19.10.2015. TG oil flushing completion expected in Jan'16. Unit-4: - Boiler erection started on 27/09/13. - Boiler hydro test is expected by Jan'16. - Condenser and TG erection started in Jul'15 and Aug'15 respectively. TG Box-up expected in 04/16. BoPs: Chimney shell casting completed.
U-3	660	01/16 03/16	05/16	06/16 08/16	10/16		
U-4	660	07/16 09/16	11/16	12/16 02/17	04/17		
Date of Sanction	:-						
Investment Approval	: Mar'12.						
Sanctioning Authority	: NTPC Board						
Orig.Est. cost	: Rs 792147 lakhs						
Latest.Est. Cost	: Rs 792147 lakhs						
Exp.During 2011-12	:Rs 2700 lakhs						
Exp.During 2012-13	:Rs 86000 lakhs						
2013-14	: Rs 147200 Lakhs						
2014-15	: Rs 141600 Lakhs						
2015-16	: Rs 84800 Lakhs						
Cum. Exp(up to Nov'15)	:Rs 470400 lakhs						
Type of fuel	: Coal						
Date of Main Plant Order (BTG)	SG : 30.03.12 on M/s BHEL TG : 27.04.12 on M/s BHEL						
Zero Date	19/03/2012						
Power Evacuation							
	Critical Areas	Unit-3 : Slow progress of Boiler erection by BHEL. Slow progress of CHP works by Elecon.					
	Delay reasons	Slow progress of work by main plant civil agency (M/s IVRCL). Delay in supplies & slow progress of steam Generator by BHEL. Delay in TG erection start.					
9.	Solapur STPP (Dist: Solapur), Maharashtra	1320					Order for Boiler, TG & Auxiliaries has been placed in Apr'12. Unit-1: - Boiler erection started on 07th May'13. - Boiler hydro test done in Dec'15. BLU expected in Aug'16. - TG erection started on 04.07.14. TG box-up completed in Jul'15. TG oil flushing completed in Nov'15. Unit-2: - Boiler erection started on 29/09/13. - Boiler hydro test is expected by Mar'16. - TG erection started on 15th May'15. TG Box-up expected in Apr, 16. BoPs: Chimney shell casting completed. Flue can erected for both the units.
U-1	660	03/16 05/16	07/16	01/17 03/17	05/17		
U-2	660	09/16 11/16	01/17	06/17 08/17	10/17		
Date of Sanction	:-						
Investment Approval	: March'12						
Sanctioning Authority	: NTPC Board						
Orig.Est. cost	: Rs 939518 lakhs						
Latest.Est. Cost	: Rs 939518 lakhs						
Exp.During 2011-12	:Rs 9500 lakhs						
Exp.During 2012-13	: Rs 114200 Lakhs						
2013-14	: Rs 98300 Lakhs						
2014-15	: Rs 212800 Lakhs						
2015-16	: Rs 103400 Lakhs						
Cum Exp(up to Nov'15)	:Rs 562000 Lakhs						
Type of fuel	: Coal						
Date of Main Plant Order (BTG)	SG : 06.04.12 on M/s BGR Energy Systems Ltd – Hitachi TG : 23.04.12 on M/s Alstom-Bharat Forge						
Zero date	19.03.2012						
Power Evacuation							
	Critical Areas	Delay in Laying of Make Up Water Pipe line due to No Right of Use Act in Maharashtra. Delay in SG supplies by BGR-Hitachi: supply of suspension headers, Expansion joints. Very slow Progress of CHP by M/s Indure.					
	Delay reasons	Delay in steam generator Engineering & supply by BGR due to non-settlement of QSGM between BGR and Hitachi.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. com.	COD	Syn. com	COD		
10.	Meja STPP Meja Urja Nigam Pvt.Ltd.(JV co. of NTPC & UPRVUNL) (Dist:Allahabad), Uttar Pradesh	1320					MOE&F clearance available on 10.01.11. Unit-1: - Boiler erection started on 11th Jun'13. - Boiler hydro test expected by Mar'16. - TG erection started in Sep'14. TG box-up done in Sep'15. TG oil flushing expected in Apr'16. Unit-2: - Boiler erection started on 20.06.14(Delay 06 months). 3rd lift completed. HT expected in Sep'16. - Deck casting completed. Condenser erection started in Nov'15. TG erection expected to start shortly. BoPs: Chimney shell concreting completed. Flue can fabrication in progress.	
	U-1	660	04/16 06/16	08/16	02/17 04/17	06/17		
	U-2	660	10/16 12/16	02/17	08/17 10/17	12/17		
	Date of Sanction	:-						
	Investment Approval	:-						
	Sanctioning Authority	: NTPC Board						
	Orig.Est. cost	: Rs 1082100 lakhs						
	Latest.Est. Cost	: Rs 1082100 lakhs						
	Exp.During 2008-09	:Rs 5401 lakhs						
	2009-10	:Rs 4151 lakhs						
	2010-11	:Rs 6143 lakhs						
	2011-12	:Rs 6542 lakhs						
	2012-13	:Rs 86287 lakhs						
2013-14	:Rs 56590 lakhs							
2014-15	:Rs 162420 lakhs							
2015-16	:Rs 107576 lakhs							
Cumulative Exp. (Upto 12/2015)	:Rs 435090 lakhs							
Type of fuel	: Coal							
Date of Main Plant Order (BTG)	SG : 30.04.12 on M/s BGR Energy Systems, Chennai. TG : 01.05.12 on M/s Toshiba Corporation , Japan by MUNPL Ltd.							
Zero Date	30.04.2012							
	Critical Areas	Unit-1: Land Aquisition for Make up Water Pipeline and Railway Siding: Make up water Pipeline & railway siding possession letter received. But villagers creating hindrance in work. Supply of Pressure parts to be expedited.						
	Delay reasons	Delay in supply of boiler material by M/s BGR due to non-settlement of QSGM between BGR and Hitachi. Slow progress of main plant civil works.						
11.	Unchahar TPS Extn. St-IV (Dist: Raibareli), Uttar Pradesh	500					- EPC contract awarded to M/s NBPPL. NBPPL awarded BTG package to BHEL. - Boiler erection started on 08.06.15. Drum lifting done in Oct'15. Hydro test expected in Sep'16. - TG deck casting completed. Condenser erection started in Jan'16. TG erection expected to start by Feb'16. - Cooling Tower (IDCT): Excavation completed.	
	U-6	500	10/16 12/16	01/17	09/17 11/17	01/18		
	Date of Sanction	:-						
	Investment Approval	:-						
	Sanctioning Authority	: NTPC Board						
	Orig.Est. cost	: Rs 336312 lakhs						
	Latest.Est. Cost	: Rs 336312 lakhs						
	Exp.During 2013-14	:Rs 22600 lakhs						
	2014-15	:Rs 28400 lakhs						
	2015-16	:Rs 37300 lakhs						
	Cum Exp. (Up to Nov'15)	:Rs 88200 lakhs						
	Type of fuel	: Coal						
Date of Main Plant Order (BTG)	NBPPL in 08/2013.							
Zero Date	05.08.2013							
Power Evacuation								
	Critical Areas	Award of BOP Packages (CHP, A/C and ventilation system) by NBPPL						
	Delay reasons	Delay in award of main plant civil work packages and BoPs						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. com.	COD	Syn. com	COD		
12.	Lara STPP (Dist:Raigarh), Chhattisgarh	1600					Main Plant order has been placed in Dec’12. Main plant civil works order has been placed on M/s ERA in Apr’13. Unit-1: - Boiler erection started on 23/12/13. Boiler Hydro test done in Dec’15. BLU expected in May’16. - Condenser erection started on 29.05.2015 and TG erection started in Aug’15. TG box-up expected in Aug’16. Unit-2: - Boiler erection started in Apr’14. Boiler Hydro test expected by Feb’16. - Condenser &TG erection expected to start by Feb’16 & Apr’16 respectively. BoPs: Chimney shell casting completed in 07/15.	
	U-1	800	09/16 11/16	03/17	10/16 12/16	02/17		
	U-2	800	03/17 05/17	09/17	05/17 07/17	09/17		
	Date of Sanction	:-						
	Investment Approval	: 07.11.2012						
	Sanctioning Authority	: NTPC Board						
	Orig.Est. cost	: Rs 1184600 lakhs						
	Latest.Est. Cost	: Rs 1184600 lakhs						
	Exp.During 2011-12	: Rs 28000 Lakhs						
	2012-13	: Rs 77300 Lakhs						
	2013-14	: Rs 53500 Lakhs.						
	2014-15	: Rs 214700 Lakhs.						
	2015-16	: Rs 136900 Lakhs						
Cum Exp(up to Nov’15)	:Rs 513700 lakhs							
Type of fuel	: Coal							
Fuel linkage								
Date of Main Plant Order (BTG)	SG- M/s Doosan, in Dec’12							
Zero Date	TG - M/s BGR Hitachi in Dec’12							
Power Evacuation	13.12.2012							
	Critical Areas	Balance land acquisition for MGR route, MuW pump house, RoU for MuW piping.						
	Delay reasons	Slow progress of TG side civil works						
13.	Gadarwara St-I STPP (Dist: Narsinghpur) Madhya Pradesh	1600					Main Plant order has been placed in March’13. Main plant & offsite civil works order placed in 08/13. Unit-1: - Boiler erection started in June’14. HT expected in 03/16. - Condenser started in Dec 15. TG erection expected to start in Jan’16. Unit-2: - Boiler erection started in 30th Nov’14. HT expected in 09/16. - Condenser &TG erection expected to start by Mar’16 & May’16 respectively. Chimney: Shell concreting in progress. (256 m) CT-1: RCC works is in progress. CT-2: Wall casting in progress.	
	U-1	800	12/16 03/17	07/17	05/17 06/17	08/17		
	U-2	800	06/17 09/17	01/18	11/17 12/17	02/18		
	Date of Sanction	:-						
	Investment Approval	: 22.02.2013						
	Sanctioning Authority	: NTPC Board						
	Orig.Est. cost	: Rs 1163855 lakhs						
	Latest.Est. Cost	: Rs 1163855 lakhs.						
	Exp.During 2012-13	: Rs 65500 Lakhs						
	2013-14	: Rs 46300 Lakhs						
	2014-15	: Rs 161400 Lakhs						
	2015-16	: Rs 173200 Lakhs						
	Cum Exp(up to Nov’15)	:Rs 448000 Lakhs						
Type of fuel	: Coal							
Fuel linkage								
Date of Main Plant Order (BTG)	in 03/2013 M/s BHEL							
Zero Date	22.03.13							
	Critical Areas	Expediting of ordering of balance BoPs, readiness of start up power line (~11km).						
	Delay reasons	Work stopped for 56 days in 2014 due to agitation by villagers demanding additional compensation for already acquired land. Land acquisition for railway line corridor, Balance land acquisition for permanent approach road, Railway line, RoU for MuW piping.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. (com.)	COD	Syn. (com)	COD		
14.	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. SBO completed on 29.05.15.Synnchronisation & full load achieved on 06.08.2015. COD achieved w.e.f 30.10.2015. TG - Condenser and TG erection started in 04/14. - TG Box Up expected in 06/15. - Oil flushing completed on 23.06.2015.	
	Unit-13	500	<u>08/15</u> 08/15	10/15	<u>08/15</u> 08/15	30/10/15 (A)		
	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						
	2015-16	: Rs 12900 lakhs						
	Cum Exp(up to 06/15)	:Rs 186900 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	Nil						
15.	Darlipalli STPP St-I, (Dist. Sundergarh) NTPC	1600					SG. Awarded in 02/14 on M/s BHEL and TG awarded in 02/14 on M/s Toshiba. U-1: Boiler erection started in 04/15. HT expected in Oct'16. Condenser erection started in Dec'15. TG erection expected to start in Jun'16. U-2: Boiler erection started in 07/15. HT expected in Apr'17. TG erection expected to start in Dec'16. Chimney: raft completed.	
	Unit-1	800	<u>12/17</u> 02/18	04/18	<u>12/17</u> 02/18	04/18		
	Unit-2	800	<u>04/18</u> 06/18	08/18	<u>04/18</u> 06/18	08/18		
	State Govt. approval							
	Orig.Est. cost	: Rs 1253244 lakhs						
	Latest.Est. Cost	: Rs 1253244 lakhs.						
	Exp. During 2013-14	: Rs. 95100 lakhs						
	2014-15	: Rs. 45700 lakhs						
	2015-16	:Rs 73900 lakhs						
	Cumulative Exp (up to Nov'15)	: Rs. 215100 lakhs						
	MOEF clearance							
	Type of fuel	: Coal						
	Date of Main Plant Order	SG. awarded in 02/14 on M/s BHEL. TG awarded in 02/14 on M/s Toshiba						
	Critical Areas	---						
	Delay reasons	---						
16.	North Karanpura STPP (Dist. Chatra) NTPC	1980					EPC placed on BHEL (except external CHP, MUW system and Ash dyke) in Feb'14. Main plant civil works awarded on BHEL/Sunil Hitech. Site leveling and geotechnical investigations are in progress. Amendment to EC issued by MOEF on 31.10.2014 for use of Air Cooled Condenser system(one ACC for each unit). U-1: Boiler erection expected to start in 01/16. Condenser erection start expected in 05/16. TG erection start expected in 07/16. U-2: Boiler erection expected to start in 02/16. U-3: Boiler erection expected to start in 08/16.	
	Unit-1	660	<u>12/17</u> 02/18	04/18	<u>08/18</u> 10/18	12/18		
	Unit-2	660	<u>06/18</u> 08/18	10/18	<u>12/18</u> 02/19	04/19		
	Unit-3	660	<u>12/18</u> 02/19	04/19	<u>04/19</u> 06/19	08/19		
	State Govt. approval							
	Org Est. approved cost	: Rs 1436700 Lakhs						
	Latest Cost	: Rs 1436700Lakhs						
	Exp. During 2013-14	: Rs.153000 lakhs						
	2014-15	: Rs. 52500 lakhs						
	2015-16	: Rs 18300 lakhs						
	Cumulative Exp (up to Nov'15)	: Rs. 224100 lakhs						
	MOEF clearance							
	Type of fuel	: Coal						
Date of Main Plant Order	Feb'14							
	Critical Areas	Balance land acquisition (94.80 Acres), Award of ACC package. Award of Switchyard & Transmission system by BHEL.						
	Delay reasons	Delay in start of Civil works due to land acquisition issues. Delay in BHEL supplies related to boiler foundation.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (com.)	COD	Syn. (com)	COD	
17.	Tanda-II (Dist. Ambedkar Nagar) NTPC	1320					SG & TG awarded in Sep'14. MP civil works awarded to M/s GDCL in Feb'15. U-1: Boiler erection started in 12/15. U-2: Boiler erection to start in 05/16.
	Unit-1	660	<u>07/18</u> 09/18	11/18	<u>07/18</u> 09/18	11/18	
	Unit-2	660	<u>01/19</u> 03/19	05/19	<u>01/19</u> 03/19	05/19	
	State Govt. approval						
	Orig.Est. cost	: Rs 918898 lakhs					
	Latest.Est. Cost	: Rs 918898 lakhs.					
	Latest Cost						
	Exp. During 2013-14	: Rs. 28000 lakhs					
	2014-15	: Rs. 29800 lakhs					
	2015-16	: Rs 31400 lakhs					
	Cumulative Exp (up to Nov'15)	: Rs. 89100 lakhs					
	MOEF clearance						
	Type of fuel	: Coal					
	Date of Main Plant Order	Boiler: L&T TG: Alstom					
	Zero date	Sep 2014					
Critical Areas	Ordering of BoP's (AHP, CHP, Ash dyke etc....) Balance land acquisition						
Delay reasons	---						
18.	Khargone TPP (Dist. Khargone) NTPC	1320					EPC contract awarded to L&T on 31.03.2015. U-1: Boiler erection to start in 09/16. U-2: Boiler erection to start in 03/17.
	Unit-1	660	<u>01/19</u> 03/19	07/19	<u>01/19</u> 03/19	07/19	
	Unit-2	660	<u>07/19</u> 09/19	01/20	<u>07/19</u> 09/19	01/20	
	Orig.Est. cost	: Rs lakhs					
	Latest.Est. Cost	: Rs lakhs.					
	Exp. During 2014-15	: Rs. lakhs					
	Cumulative Exp (up to 01/15)	: Rs. lakhs					
	MOEF clearance						
	Type of fuel	: Coal					
	Date of Main Plant Order	EPC On L&T on 31.03.2015					
	Zero date	31.03.2015					
	Critical Areas	---					
	Delay reasons	---					

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		
	Raghunathpur TPP Ph-I , Raghunathpur, Distt-Purulia West Bengal	2x600					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)	01/16	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 and coal syn in 07/14. Full load achieved at 08.00 PM on 24.08.2014. Unit is under trial run operation for COD. Trial run operation is in progress for COD. Unit-2 1) Boiler erection started in Sep’ 09. Drum lifting was completed on 2nd April’10. Boiler Hydro test completed on 25.05.2012. Non drainable hydro done in 11/14. BLU done on 30/03/15. SBO started on 01/08/15 & completed on 07/08/15. 3) TG: TG Deck casting 26.06.10, Condenser erection started in 05/11, TG erection started on 18.12.12. TG Box up completed on 20/09/14. Oil flushing started in 08/14 and completed on 25/04/15. TG put on barring gear on 27/04/15. Oil synchronization achieved at 04.57 hrs on 09/01/16 & Coal synchronization on the same day. Full load achieved at 3.05 PM on 18.01.2016. Unit is under trial run operation for COD. Trial run operation is in progress for COD. 2) Mills & Feeders- No load trial run completed. Tripper’s erection completed. All 8 mills & bunkers are ready & Mill reject system completed. 3) AHP Wet System and Dry System – work under progress. Common Area: 1) Chimney- Ready 2) Switchyard- Switch yard charged on 23.06.12. ST-I charged on 14.08.12. 3) Ash Pond & Ash Handling System: Ash Pond compartment-I completed. 50% civil work in Ash Pond Compartment-II completed. Ash water recovery System civil work completed. Ash dyke availability with recovery system completed in 12/14. Ash dyke compartment-I completed. 4) Coal Handling Plant: Crusher house ready. Work on Staker-2, TP-8, TR-1. TP-10&11, Conv-10A, 12A, 11B is under progress. 5) Water Corridor: Raw water pipe line laying work has been completed on 10.12.15. Three nos. skid mounted pump completed. Erection work for connection between main pipe line and pumps completed. Ccommissioning of equipment of 33 KV sub-station at intake done on 25/12/15 and water reached on 26/12/15in raw water reservoir. Work on intake well bridge at Panchet Dam is under progress. 4) NDCT: Ready 5) Rail Coridor: Earth excavation and earth filling work in acquired land is in progress. Rail Infrastructure is expected to be completed by 12/17	
	Unit-2	600	12/10 01/11	02/11	01/16(A) 01/16(A)	03/16		
	Investment approval (DVC Board)		: 30.04.2007					
	Estimated cost		: Rs.412200 lakhs					
	Revised approved Proj cost		: Rs. 878130 lakhs					
	Exp. During 2006-07		: Rs 40.92 Lakhs					
	Exp. During 2007-08		: Rs 39579.08 Lakhs					
	Exp. During 2008-09		: Rs 18920.00 Lakhs					
	Exp. During 2009-10		: Rs 157420.00 Lakhs					
	Exp. During 2010-11		: Rs 129272.00 Lakhs					
	Exp. During 2011-12		: Rs 122170.00 Lakhs					
	Exp. During 2012-13		: Rs 77979.00 Lakhs					
	Exp. During 2013-14		: Rs 82716.00 Lakhs					
	Exp. During 2014-15		: Rs 105403.00 Lakhs					
	Exp. During 2015-16		: Rs 73800.00 Lakhs (up to 12/ 15) Prov					
	Cumul. Exp. 2015-16		: Rs. 807300.00 Lakhs (up to 12/ 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					
	<u>Power Evacuation System:</u> (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 12/15.							
	<u>Fuel Supply Arrangement:</u> FSA signed for 1.76 MTPA Coal from BCCL& 2.133 MTPA from CCL for Unit-1& 2 on tapering basis and rest will be taken from the Saharpur-Jamarpani Coal block jointly allocated to RTPP PH-I & II. <u>Land acquisition/availability:</u> - Total land requirement - 2044.827 acres - Land in possession - 1972.807 acres - Balance land 72.02 acres land acquisition in process. (Rail cum Road corridor - 67.45 acres, Ash Dyke -1.3 acres, Miscellaneous - 3.27 acres)							
	Critical Areas		Delay in land acquisition for Ash Pond, Rail Corridor. Work on Rail corridor is very slow. Frequent disruption of work due to agitation by land looser on the acquired land.					

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
	Bokaro ‘A’ TPS Extn Bokaro Thermal , Distt-Bokaro, Jharkhand	1x500					The LOA (EPC) which includes design, engineering, manufacture, supply, erection and commissioning of steam turbines, generators, boilers, associated auxiliaries, Balance of Plant (BoP) excluding CHP, Water Package & Switch yard and electrical besides civil works was awarded to BHEL in June’08.The letter of acceptance & letter of intent were issued on 16 th June’08 and 24 th June’08 respectively.
	Unit-1	500	9/11 2/12	03/12	31/03/15 03/16*	06/16	Boiler: Boiler erection started in Nov’09. Drum was lifted on 01.08.12. Hydro test was done on 10/12/13. BLU on 28/09/14, Hydro (ND) – 17/10/14. EDTA-15/11/14 SBO (S)-023/02/15, SBO (Completed) on 05/03/15. Mills, Feeders & Bunkers: 4Coal Mills (RHS) are ready. Work on balance 4 mills (LHS) are under progress. Feeders erection completed. Bunker floor casted. Tripper erection is yet to start. TG: Condenser erection started in 11/12. TG erection started on 03.12.12 & TG Box up completed on 30.06.14. Oil flushing started in 09/14 and completed on 09/03/15. Barring Gear -15/03/15. Oil Syn achieved at 22.52 hrs. on 30/03/15 (load up to 40 MW). Coal Syn & Full load expected by 03/16 subject to manual coal bunkering. NDCT: Shell Casting completed. Grillage & other system work in progress. NDCT will be ready by 03/16. CHP, Stacker Reclaimer: Contracts of earlier tenders for CHP awarded on M/s Techpro & for Stacker Reclaimer awarded on M/s. TRF by DVC have been terminated. Order for CHP interconnection rout from BTPS ‘B’ to BTPS‘A’ has been placed on 29.11.14 on BHEL. Civil work by BHEL is under process. Mechanical and Electrical vendors finalized and erection work will be started in 03/16. DM and PT Plant: DM water, Clarified water and other facilities has been provided from existing plant as PT system is delayed. However, the work on DM plant, Clarified water, filter water, chemical plant for the project is under progress and expected readiness of DM Plant by 03/16, PT Plant by 06/16. Switch Yard: PGCIL finalized the 400KV Switchyard package by issuing NOA on M/s Hyosung, Korea on 31.12.12. Switch yard charged. Chimney: Chimney is ready. AHP: Equipment erection is under progress. Ash dyke completed. Work on BAH is completed. Fabrication & Erection of pipe rack structure & Pipe line is in progress.
Estimated cost : Rs. 231300 lakhs							
Revised Appr. Proj. Cost : Rs. 413841 lakhs							
Exp. During 2007-08 : Rs. 000.00 Lakhs							
Exp. During 2008-09 : Rs. 29628.82 Lakhs							
Exp. During 2009-10 : Rs. 21101.00 Lakhs							
Exp. During 2010-11 : Rs. 31320.00 Lakhs							
Exp. During 2011-12 : Rs. 34858.00 Lakhs							
Exp. During 2012-13 : Rs. 58017.00 Lakhs							
Exp. During 2013-14 : Rs. 75434.00 Lakhs							
Exp. During 2014-15 : Rs. 33216.00 Lakhs							
Exp. During 2015-16 : Rs. 32925.00 Lakhs (up to 12/ 15) Prov							
Cumul. Exp. : Rs. 316500.00 Lakhs (up to 12/ 15) Prov							
Main Plant Order to BHEL : 16.06.2008							
Zero Date of Project : 16.06.2008							
Power Evacuation System: (iii) 400 KV D/C Bokaro TPS - Koderma Transmission line by PGCIL – Charged (iv) Interconnection with BTPS existing system through ICT(at 220 KV) – One ICT Charged Fuel Supply Arrangement: Annual Coal requirement: 2.28 MMTPA(80% PLF) Coal Linkage with CCL: 1.975 MMT. LOA signed. Land Acquisition: Brown field project. No additional land required. Project Clearances: All clearances are available.							
Critical Areas		1) CHP 2) NDCT for Synchronization 3) AHP * BHEL proposes coal synchronization by March’16. Coal synchronisation followed by full load targeted by March’16. (through manual coal bunkering).					

BROAD STATUS OF MONARCHAK GAS BASED POWER PROJECT OF NEEPCO
(CENTRAL SECTOR PROJECT)

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Reasons for Delay
			Original		Actual(A) / As of now Expected			
			Syn. comm	COD	<u>Syn.</u> comm	COD		
II	PROJECT UNDER CONSTRUCTION							
1.	Monarchak Tripura 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 Gomti river received vide letter dated 4/8/2007. 194.94 acres of land for main plant certified by GoT vide lr dt.16/7/2007. <u>GTG</u> - Gas supply made available at site on 04/02/15. Gas booster compressor commissioned on 16/02/15. GT synchronized on 11/03/15, achieved full load on 30.03.15 and declared commercial on 24.12.2015, i.e. (COD). <u>STG</u> - TG put on barring gear on 12.6.15. - ABO of HRSG completed on 30.8.15. - Steam blowing completed on 10th Oct. 2015. Steam Turbine Synchronization and achieved Full load on 14.01.16.	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. 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. Current critical issue. Availability of gas.
	GT	65.42	03/13		3/15(A) 3/15(A)	12/15 (A)		
	ST	35.58	07/13		1/16(A) 1/16(A)	03/16		
	Date of PIB Clearance		:23/07/2010 (Zero date)					
	Date of CCEA Clearance		:23/02/2011					
	Org. Est. cost		:Rs. 62344 lakhs					
	Latest cost		: Rs.100757 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 Exp.		: Rs. 13681 lakhs					
	During 2015-16 Comm. Exp.		: Rs. 8536 lakhs (12/15)					
			: Rs. 95358 lakhs (12/15)					
	Financial closure		: N/A					
	Type of fuel		: Natural Gas (0.5 MMSCUMD)					
	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.					

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 NEEPCO Tripura	51					• 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. • Water treatment plant commissioned on 25-1-14. • Transformer and switchyard commissioned on 1.7.14. • ST-1 synchronised with HRSG-2 in March’15. • ST-2 synchronized on 10.02.15 & re-synchronized on 17.02.15 and commissioned on 22.03.03.		
	ST-1		25.5	05/13		<u>3/15(A)</u> 3/16			
	ST-2		25.5			<u>2/15(A)</u> 3/15(A)			
	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. 13319 lakhs						
	Exp. During 2015-16 (07/15)		: Rs. 989 lakhs						
	Comm. Exp. Up to (07/15)		: Rs. 31685 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							

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	
15.	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 trippers 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.
	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 08/15)		Rs. 31074 Lakh					
	Total Expenditure		Rs 6426.31 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. - Full load achieved on 30.10.15. - COD achieved on 25.11.15. Unit-3:- - Boiler insulation work is in progress. - Boiler Hydro test done on 28/ 05 / 2014. - BLU is expected in 01/16.. - SBO completion is expected on 10.02.16. - Synchronization is expected in 03/16.. - Full load is expected in 03/16. - TG erection started on 08.04.13. - 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) 10/15(A)	12/15(A)		
Unit-3	660	04/13 05/13	06/13	03/16 03/16	04/16		
Date of clearance by State Govt.		: 09/2006					
Original/Latest Est. Cost		: Rs.908900/ 1154600 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.121333 Lakhs					
Commulative Expd. (upto 03/15)		:Rs 933800 Lakhs					
Type of fuel		: Coal grade E/F					
Date of Main Plant Order		: 18.07.2009 (EPC) BTG+BOP on M/s SEPCO Electric Power Construction Corpn, Jinan, Shandon, China.					
Boiler Make Turbine & Generator Make		: Harbin : 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 coal block for coal linkage as nearest Coal mine is more than 1500 km away. 3) Coal availability/ materialization & schedule from PSPCL.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn. Com.	COD	Syn. Com.	COD	
Private Sector							
	RAJPURA TPP M/s Nabha Power Development Ltd. (Distt: Patiala)	1400					- PPA signed with PSEB on 18.01.2010 for 25 years. -1078.16 acres of Land acquired for the main plant. 18.4 acres of land for railway corridor is under process. Unit-1:- -Boiler erection started on 14.07.2011. - Unit synchronized on 15.12.2013. - Unit commissioned i:e achieved full load on 24.01.2014 - Unit declared on COD wef. 01.02.2014 at 0000 Hrs Unit- 2:- - Boiler erection started on 16.11.2011 and out of 37500 MT of boiler material 33500 MT has been erected upto 03/2014 . Pressure parts erection completed. All 53000 HP welding joints completed. Boiler hydro test done on 11.11.2013. Blr L/U done on 08. 05.2014. SBO completed on 05.06.2014. Unit Synchronised on 20.06.2014. -TG Erection started on 25.02.2013. -TG boxed up on 25. 01.2014. -TG O/F started on 02.02.2014. and completed on 10.04.2014 . -TG put on barring gear on 24.04.2014. -Unit commissioned i:e achieved full load on 06.07.2014. -Unit declared on COD wef. 10. 07. 2014
	Unit-1	700	10/13 01/14	01/14	12/13(A) 01/14(A)	02/14(A)	
	Unit-2	700	12/13 03/14	03/14	06/14(A) 07/14(A)	07/14(A)	
	Date of clearance by State Govt.	: 09/2006					
	Original/Latest Est. Cost	: Rs. 960000 Lakhs					
	Date of Financial Closure	: Achieved and signed loan agreement on 27.09.2010.					
	Exp. during 2009-10	:Rs. 69800 Lakhs					
	Exp. During 2010-11	:Rs. 90000 Lakhs					
	Exp. During 2011-12	:Rs.106800 Lakhs					
	Exp. During 2012-13	:Rs.333800 Lakhs					
	Exp. During 2013-14	:Rs 212200 Lakhs					
	Exp. During 2014-15 (upto 05/14)	:Rs 4000 Lakhs					
	Commulative Expd. (upto 05/14)	:Rs 816600 Lakhs					
	Type of fuel	: Coal Grade ‘F’					
	Date of Main Plant Order	: 16.07.2010 (EPC) on M/s Larson & Tubro (L&T)					
	Boiler Make Turbine & Generator Make	: L&T : L&T					
	Zero date	: 18.01.2010					
	Fuel Linkage	: Received on 11.12.2008 for 5.55MTPA of Grade ‘F’ coal from south eastern coalfields limited (SECL) from Korba Raigarh fields for 2x660 MW. Request for 2.21MTPA additional coal made to MOC, GOI on 25.05.2010 for 2x700MW.					
	Associated Transmission System	Two double circuit 400 KV Transmission lines have been planned to the following proposed sub stations (i) Rajpura 400KV Sub Station. (ii) Nakodar 400KV Sub Station. (iii) Dhuri 400KV Sub Station. Award issued by Punjab State Transmission Corporation Limited (PSTCL). Work in progress.					
	Critical Areas	1) MoC approval of additional coal of enhanced capacity.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn. Com.	COD	Syn. Com.	COD	
Private Sector							
3	Goindwal Sahib TPP GVK Power Ltd. (Distt. : Tarntaran)	540					-Tata Consulting Engineers (TCE) Ltd. appointed as technical consultant. -Amended and Restated PPA signed with PSEB on 26.05.2009. -FSA executed on 06.06.2009. -Land possession: 1074.615 Acres of land acquired for the main plant. Possession of 37.98 Acres of land for railway corridor given on 09.02.2013. - BOP package is with M/s PUNJ LLOYD executed on 14.09.2009. 1) CHP: (PUNJ LLOYD): Wagon Tippler 1&2 erection completed. Stacker reclaimers slewing and traveling completed. Belt laying completed. 2) Chimney: 275 mtr height shell casting done. Unit-1: 7 th Flue can assembly completed. Staircase pedestals completed. Unit-2: Flue can 7/7 segments erection completed. 3) IDCT: IDCT- I: commissioned. IDCT- II : 14 cells fan erection completed. 4) PT Plant: PT plant ready 5) DM Plant: Plant commissioned on 19.09.2012. 6) F.O. System: LDO fuel oil station work completed.
Unit-1	270	11/12 04/13	05/13	07/13 (A) 02/16(A)	02/16		
Unit-2	270	05/13 10/13	11/13	03/14(A) 02/16	03/16		
Date of clearance by State Govt.		: 18.05.1998					
Original Est. Cost		: Rs. 296381 Lakhs					
Latest Est. Cost		: Rs. 296381 Lakhs					
Date of Financial Closure		: 21.05.2010. IDBI is the lead lender Debt – 80% Equity – 20%					
Exp. during 2010-11		:Rs. 94860 Lakhs					
Exp. During 2011-12		:Rs100725 Lakhs					
Exp. During 2012-13		:Rs 77166 Lakhs					
Exp. During 2013-14		:Rs 65749 Lakhs					
Exp. During 2014-15 (upto 09/14)		:Rs 28000 Lakhs					
Commulative Expd. (Upto 09/14)		:Rs366500 Lakhs					
Type of fuel		: Pulverised Coal					
Date of Main Plant Order		: 06.02.2009/ Notice to proceed on 29.09.2009 (BTG) on BHEL					
Boiler Make		: BHEL					
Turbine & Generator Make		: BHEL.					
Zero date		21.05.2010					
Fuel Linkage		: Received on 05.04.2006 for 2.5 MTPA Tokisud north coal field allotted as a captive coal mine. To supplement coal supply, MOC, allocated part of seregarha coal block to be developed jointly by GVK and M/s Arcelor Mittal.					
Associated Transmission System		Three double ckt 400 KV transmission lines have been planned to the following proposed sub stations from the project (i) 220KV Sub station Khasa (ASR) - 60 Km (ii) 220KV Sub station Bottianwala (Ferozepur) - 38 Km (iii) 220KV Sub station Sultanpur (Kapurthala) - 20Km					
Critical Areas		Financial crunch. Readiness of CHP, AHP. Delay in start of Mining operation.					

BROAD STATUS OF THERMAL POWER PROJECTS IN RAJASTHAN

BROAD STATUS OF STATE SECTOR THERMAL POWER PROJECTS (The Rajasthan Vidyut Utpadan Nigam Ltd.)								
Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / As now Expected			
			Syn. (Comm)	COD	Syn. (Comm)	COD		
	Chhabra SCTPP, Chhabra RRVUNL (Distt. Baran)	2x660						
	U-5	660	06/16 09/16	09/16	03/18 06/18	09/18	• CHP: Civil and structural fabrication work is in progress. Stacker & re-claimer erection work is in progress. • AHP: RCC work is in progress in AHP and BAH erection in progress. • Chimney: Shell concreting is completed up to +270 m. Fabrication work is in progress. • NDCT: Work in Basin floor, grillage columns, racker columns, shell and hot water duct is in progress. 102/120 lifts shell casted. • RWPH: Raft completed and wall under progress. • PTP: construction work is under progress. • DM Plant: Structural erection is under progress. • CW Pump: RCC work CWPB and CW channel is in progress. Erection work of CWPB and CWPP is in progress. • FO system: FOPH & Tank completed. • FPS: Fire fighting pipe erection work and civil work under progress. • Switchyard: Tower & equipment foundation RCC works under progress. <u>Unit-5</u> • Blr: erection started on 17-02-14. Foundations of ID & FD fan completed. Erection work of ID and FD in progress. RCC in progress for PA fans. Erection of Mills is in progress. • HT: done on 03-11-15. • BLU: expected on 27-03-16. • ESP: Foundation works completed. 7301/7692 MT structural material erected. • TG: EOT crane erected. Condenser and TG erection started from 24-01-15 and 27-03-15 respectively. Erection of HIP, LP-1, LP-2 and Generator Rotor in final stage. Provisional box up of LP-1 & LP-2 has been done. Box up is expected by 02/16. Oil flushing started on 03/01/16 and work is in progress. <u>Unit-6</u> • Boiler: Boiler foundation completed on 09.08.15. Erection started on 17/08/15. 3139 MT structure & NPP erected Coal bunker fabrication in progress. • HT: • BLU: • STG MPH building: Foundation RCC in progress. • ESP: RCC work in progress. ESP erection started on 04/09/15. • TG: Raft for Deck casting completed. MPH building column erection started on 12/09/15. • Box up: • ID/FD/PA Fan: Excavation work in FD and PA Fan done. PCC in progress.. M/s L&T has submitted L2 schedule with commissioning date as 06/2018.	
	U-6	660						
	Original Estimated cost		Rs. 792000 lakh					
	Latest Estimated cost		Rs. 792000 lakhs					
	Expenditure During 2013-14		Rs. 76315 lakhs					
	Expenditure. During 2014-15		Rs. 85862 lakhs					
	Expenditure. During 2015-16 (up to 11/15)		Rs. 181434 lakhs					
	Total Expenditure (up to 01/16)		Rs. 3436.11 Crores					
	Type of fuel		Coal					
	Zero date		28-03-2013					
	Date of main plant Order		Order placed on M/s L&T - MHI for boiler, TG and generator on 28-03-2013.					
	Fuel linkage		Coal Blocks (Parsa East & Kante Basen) re-allocated by MoC, GoI on 24/03/15.					
	PPA		Signed with Rajasthan Discom on 18.05.10					
	Power evacuation system		Extension work of ANTA Line upto Chhabra STPP has been taken up by RVPN and it is likely to be completed by end of Dec-15.					
	Water:		300 MCFT from Lhasi and 1270 MCFT from Parwan irrigation projects has been ensured by GOR.					
	LAND:		Land is available for both the units.					
	MOE&F clearance		Unit-5: 23-05-2012 Unit-6: 02-02-2015					
	Critical Areas	1. Rail Link 2. Start up power 3. Raw Water						

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
	Suratgarh Super Critical TPP, RRVUNL, Suratgarh (Distt. Baran)	2x660					
	Unit-1	660	06/16 07/16	09/16	06/16 09/16	09/16	• RWR: Lining work compartment-I of reservoir is in progress. • CHP: Civil work for stacker re-claimer(SR), conveying system wagon tippler and ERH & erection of stacker re-claimer is in progress. • AHP: Erection of PD Pump , Ash vessel and surge chute bellow ESP erection is in progress. • Chimney: Shell completed. • NDCT: Racker columns completed for U-7 and foundation raft completed for U-8. The flooring work is under progress. • CW System: CW PH raft casted & structural erection in progress. Pipe laying work from CWPB to Condenser is in progress. • PTP: Filter water tank & clariflocculator is in progress. • DM Plant: Tank foundation completed and structural work is in progress. • CW PH: Sump walls are in progress. • FO system: Fabrication & erection of HFO Tanks in progress. • FPS: • Switchyard: Erection of tower is in progress. • Aux. Boiler: Feed water storage tank & D/A erected. Chimney base frame erected. Chimney shell pre-assy under progress. • <u>Unit-7</u> • Boiler: Erection started on 26-03-14. 7444/7952 MT erection completed in pressure parts & 1944/2978 MT erection completed in Rotary parts. 35427/44109 nos. joints completed. 2559 MT erection in ducting completed. Insulation work in progress. • HT: completed on 31/12/15 & BLU: expected in 09/16 • Mills: Work in progress. • ESP: Structural erection is in progress and 7731/8482 MT material erected. Hopper erection is in progress. Work on Pass A,B,C& D is in progress. • TG: MPHB foundation completed. Condenser erection started on 29-04-15 and erection of TSP is in progress.TG deck casting is completed. All pedestal and erection work in progress. • Box up: 06/16 <u>Unit-8</u> • Boiler: Erection started on 25-06-14. 7444/7952 MT pressure parts & 855/2978 MT rotary parts erected. 30182/44109 nos HP joints completed. Bottom ring header erection is in progress. 1690 MT erection in ducting completed. • HT: expected in 03/16 & BLU: expected in 12/16 • ESP: Structural erection is in progress and 7246/8482 MT material erected. Collecting electrode erection is in progress. • Mills: Work in progress. • TG: MPHB foundation completed. TG deck cast completed. Bearing pedestal grouted. Erection work of Condenser & TG is in progress • Box up: expected in 09/16
	Unit-2	660	09/16 10/16	12/16	09/16 12/16	12/16	
	Original Estimated cost		Rs. 792000 lakh				
	Latest Estimated cost		Rs. 792000 lakhs				
	Expenditure During 2012-13		Rs. 368 lakhs				
	Expenditure. During 2013-14		Rs. 55029 lakhs				
	Expenditure. During 2014-15		Rs. 191874 lakhs				
	Expenditure. During 2015-16 (up to 01/16)		Rs. 184046 lakhs				
	Total Expenditure (up to 12/15)		Rs. 4313.17 Crore				
	Type of fuel		Coal				
	Zero date		28-03-2013				
	Fuel linkage		Approval accorded by MOC on 03-02-12 from Parsa East & Kanta Basan coal bocks of RVUN				
	Date of main plant Order		Order placed on 23-05-13 on M/s BHEL Blr-ALSTOM, TG-SIEMENS				
	Land:		Possession of 672.873 ha of land for water conductor system, construction of main power plant, residential colony on approach road taken.				
	Water:		42 cusec of water from Indira Gandhi Canal is allocated on 02.09.09.				
	MOEF:		Clearance obtained vide letter No. J-13012/14/2009 – IA. II (T).				
	SPCBC:		Clearance accorded by Rajasthan SPCB on 04.06.13.				
	Civil Aviation		NOC obtained from AAI on 26-04-10				
	Power evacuation system:		Through 4 x 400 kV transmission line of RVPN.				
	Power purchase agreement:		PPA made between RVUN and Jaipur, Ajmer, Jodhpur Vidyut Vitran Nigam Ltd. on 18.05.10.				

BROAD STATUS OF THERMAL POWER PROJECTS IN UTTAR PRADESH

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
1.	Anpara ‘D’TPS UPRVUNL (Distt. Sonebhadra)	1000					UNIT-6 - Commissioned on 06.06.15. UNIT-7 - Syn. on 23.02.2016 - Commissioned on 06.03.2016
	Unit-6	500	02/11	03/11	03/15(A)	06.06.15(A)	
	Unit-7	500	05/11	06/11	01/16	03/16	
	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	NIL					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn.	Com.	Syn.	Com.	
Private Sector							
1.	LALITPUR STPP M/s Lalitpur Power Generation Co. Ltd. (Distt.; Lalitpur)	1980					<u>Unit-1:-</u> Boiler -Boiler erection started on 23.03.12. -HT conducted on 12.03.2014. -BLU done on 15.01.15. -SBO completed on 11.04.15. 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 on 16.04.15 -Turbine on Barring gear on 17.04.15 - Unit Synchronized with Coal on 09.06.15. <u>Unit- 2:-</u> Unit synchronized on 23.12.15. Unit Achieved full load on 08.01.16 <u>Unit- 3:-</u> -Boiler erection started on 27.11.2012. -HT conducted on 31.03.15. - BLU completed on 09.01.16 -EDTA is going on
	Unit-1	660	09/14	10/14	09.06.15(A)	03/16	
	Unit-2	660	01/15	02/15	23.12.15(A)	08.01.16(A)	
	Unit-3	660	05/15	06/15	11/16	10/16	
	Date of clearance by State Govt.	:					
	Original/revised/Latest Est. Cost	:	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 07/15)	:	Rs 569100 Lakhs				
	Commulative Expd. (07/15)	:	Rs 1430600 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	:	Non-readiness of power evacuation system.				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn.	Com.	Syn.	Com.	
Private Sector							
2	PRAYAGRAJ TPP M/s Prayagraj Power Generation Co. Ltd. (Distt. Bara, Allahabad)	1980					Unit-1:- -Unit Synchronised on 31.10.15 Full load Achieved on 25.12.15
	Unit-1	660	01/14	02/14	31.10.15 (A)	25.12.15 (A)	Unit- 2:- Boiler
	Unit-2	660	06/14	07/14	04/16	05/16	-Boiler erection started on 12.09.2011.
	Unit-3	660	11/14	12/14	07/16	08/16	-Hydro test conducted on 29.01.15.
	Date of clearance by State Govt.	: Nov , 2006.					-BLU expected in 03/16.
	Original/Latest Est. Cost	: Rs.1162227 Lakhs/ 1387000 lakhs					-SBO completion expected in 03/16
	Date of Financial Closure	: Achieved on 06.07.2010 with SBI					TG
	Exp. Upto 03/2011	:Rs.124478 Lakhs					-Condenser erection started on 05.06.13.
	Exp. During 2011-12	:Rs.137691 Lakhs					-TG erection started on 20.09.13.
	Exp. During 2012-13	:Rs.296958 Lakhs					-TG boxed up on 14.05.15.
	Exp. During 2013-14	:Rs 308897 Lakhs					-OF completed on 15.10.15.
	Exp. During 2014-15	:Rs 285952 Lakhs					Syn. Expected in 04/16.
	Exp. During 2015-16 (Up to 01/16)	: Rs. 129647 Lakhs					Unit-3:- Boiler
	Commulative Expd. (upto 01/16)	:Rs 1283623 Lakhs					- Boiler erection started on 05.09.2011.
	Type of fuel	: Coal					- Hydro test conducted on 29.11.14.
	Date of Main Plant Order	: 22.01.2009 (BTG) on M/s BHEL					- BLU expected in 06/16
	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.					-SBO start expected in 06/16.
	Zero date	23.02.2010.					TG
	MoEF clearance	Obtained on 08.09.2009.					-Condenser erection started on 10.01.14
	PPA	: PPA signed on 21.11.2008.					-TG erection started on 11.11.14
	Land	: 1468 acres of land for the project is in physical possession. Land for the facilities outside the plant area is being acquired.					-TG box up expected in 04/16.
	Fuel Linkage	: Fuel supply agreement between PPGCL & NLC for 6.95 MTPA has been executed on 29.08.2013.					-Syn. Expected in 07/16.
	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 Area as per letter dated 07.10.15						
		Non-availability of power evacuation system for units-2&3.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn.	Com.	Syn.	Com.	
2	Harduaganj Expn.,-II UPRVUNL (Distt.; Aligarh)	660					Civil Aviation Clearance granted on 11.07.12 fro Airports Authority of India. State Pollution Control Board Clearance : Applied for
	Unit-1	660	04/19	06/19	04/19	06/19	Water Allocation : Allocated on 03.12.11 from Upper Ganga Canal.
	Date of clearance by State Govt.	:					Water Allocation : Allocated on 03.12.11 from Upper Ganga Canal.
	Original/revised/Latest Est. Cost	:	Rs.482649 lakhs				<u>Unit-1:-</u> Boiler -Boiler erection start expected in 02/16. -HT Expected in 06/18.
	Date of Financial Closure	:	Achieved on 14.03.2012				
	Exp. During 2015-16 (up to 12/15)	:	Rs. 20390 Lakhs				
							TG
	Commulative Expd. (12/15)	:	Rs 20390 Lakhs				-Condenser erection start expected in 10/17.
	Type of fuel	:	Coal				
	Date of Main Plant Order/BoPs	:	M/s Toshiba JSW Systems Private Limited as a single EPC basis on 08.09.2015 Boiler: Doosan, India ; TG & Genarator: Toshiba JSW Power Systems				
	Zero date	:	08.09.2015				
	Land	:	Not required being an Expansion Project				
	PPA	:	Signed on 16.01.13				
	MoEF Clearance	:	Obtained on 12.05.2015 and Forest clearance applied for .				
	Fuel Linkage	:	From Saharpur-Jamarpani, Jharkhand coal Block allocated on 25.03.15.				
	Associated Transmission System	:					
	Critical Areas						

BROAD STATUS OF THERMAL POWER PROJECTS IN UTTARAKHAND

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn.	Comm	Syn	Comm		
1.	Kashipur Gas Based CCPP, Ph-I (M/s Sravanthi Energy Private Limited), Udham Singh Nagar	225					1. All statutory clearances are available. 2. Zero date of the project is 23.01.08. 3. Order for all the BOPs has already been placed and progressing as per schedule. 4. M/s TCE, Bangalore is the owner’s consultant. 5. Gas pipeline connectivity completed.	
	GT-1	75	05/11	05/11	*	*	<u>OPEN CYCLE</u> <u>GT-I&II</u> 1. All civil works completed. 2. Both the gas turbines (6FA, GE France) & generator placed on foundations. 3. Operation container module for local operator in open cycle placed in position. 4. Bypass diverter and damper erection completed. 5. Generator transformer, Unit Aux. transformer and Station transformer commissioned. 6. Gas conditioning skids (Both) GAIL & SEPL erection is completed. 7. Cranking of GTs completed. 8. Both the GTs are on turning gear. 9. All BOPs are commissioned. 10. Start up power available and switchyard back charged. 11. Power evacuation line (220 kV) is ready. 12. Draft PPA already submitted and under perusal with state Govt. Waiting for Gas Pricing. <u>COMBINED CYCLE</u> <u>HRSG-I&II:</u> 1. HRSG erection completed in 09/11. 2. ACC commissioning is achieved in 09/11. 3. HT for both the HRSG completed. 4. Both the HRSG are ready for ABO. <u>ST:</u> 1. ST&STG supply received in 05/11. 2. ST erection started in 05/11 and completed. 3. Oil flushing completed. 4. STG is on barring gear. *Commissioning schedule depends on availability of Gas	
	GT-2	75	05/11	05/11	*	*		
	ST	75	07/11	08/11	*	*		
	Org.Est. cost		Rs.84500 Lakhs					
	Latest cost		Rs.126600 Lakhs					
	Exp.during 2009-10		Rs.3428 Lakhs					
	Exp.during 2010-11		Rs.79972Lakhs					
	Exp. During 2011-12		Rs.9300 Lakhs					
	Exp. During 2012-13		Rs.13000 Lakhs					
	Exp. During 2013-14		Rs.2500 Lakhs					
	Exp. During 2014-15 (Upto 06/14)		Rs.600 Lakhs					
	Cumm. Exp up to 06/14		: Rs.108800 Lakhs					
	Financial closure		Achieved on 23.08.10					
	Type of fuel		: Natural Gas (1.2mmscmd)					
	FSA		: FSA yet to be signed.					
	Date of Main Plant Order		: 30.04.10 on M/s Sravanthi Infratech Private Ltd (EPC Basis).					
	Zero date of the project		: 30.04.10					
	Power Evacuation System: open access: Transmission with PGCIL for 450MW capacity power evacuations through 400 kV/220kV permission granted by NRLDC on 29.12.10. Readiness of ATS through nearby Grid sub-station is scheduled by 15.05.11.							
		Critical Areas	Availability of Gas Project is ready for commissioning subject to availability of Gas.					

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn	Comm	
2.	Kashipur Gas Based CCPP, Ph-II (M/s Sravanthi Energy Private Limited), Udham Singh Nagar	225					1. All statutory clearances are available. 2. Zero date of the project is 04.11.10. 3. Order for all the BOPs has already been placed and progressing as per schedule. 4. M/s TCE, Bangalore is the owner's consultant. 5. Gas pipeline connectivity completed. 6. All common utilities are ready.
	GT-1	77	10/11	10/11	*	*	<u>OPEN CYCLE GT-I&II</u> 1. All civil works are completed in 08/11. 2. Both the gas turbines (6FA, GE France) & generator erection already completed. 3. Cranking of GT completed. 4. Both the GTs are on turning Gear. <u>COMBINED CYCLE HRSG-I&II:</u> 1. Erection of HRSG equipment supply completed. 2. Erection of both the HRSG nearing completion. 3. HT of both the HRSGs expected just after erection is completed. <u>ST:</u> 1. ST& STG supply received at site. 2. STG erection completed. 3. ACC erection is nearing completion. 4. STG oil flushing completed. 5. STG yet to be put on BG. *Commissioning schedule depends on availability of Gas
	GT-2	77	10/11	10/11	*	*	
	ST	75	12/11	12/11	*	*	
	Org.Est. cost		Rs.89800 Lakhs				
	Latest cost		Rs. 130000 Lakhs				
	Exp. During 2010-11		Rs.70500Lakhs				
	Exp. During 11-12		Rs. 11500 Lakhs				
	Exp. During 12-13		Rs. 7100 Lakhs				
	Exp. During 13-14		Rs. 1200 Lakhs				
	Exp. During 14-15 (upto 06/14)		Rs. 800 Lakhs				
	Cumm. Exp up to 06/14		: Rs.91100Lakhs				
	Financial closure		Achieved on 04.11.10				
	Type of fuel		: Natural Gas (1.2 mmscmd)				
	FSA		: FSA yet to be signed.				
	Date of Main Plant Order		: 04.11.10 on M/s Sravanthi Infratech Private Ltd (EPC Basis).				
	Zero date of the project		: 04.11.10				
	Power Evacuation System: open access: Transmission with PGCIL for 450MW capacity power evacuations through 400 kV/220kV permission granted by NRLDC on 29.12.10. Readiness of ATS through nearby Grid sub-station is scheduled by 06/11.						
	Critical Areas		Availability of Gas Project is ready for commissioning subject to availability of Gas.				

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn.	Comm	Syn	Comm		
3.	GAMA CCPP, Module-I, at Mahuakhedaganj, Kashipur (M/s GAMA INFRAPROP (P) LTD.), Udham Singh Nagar	225					1. All statutory clearances are available. 2. Zero date of the project is 29.07.10. 3. All the BOPs have have already commissioned. 4. Both the gas conditioning skids are ready. 5. Erection of gas pipeline completed and gas line charged upto GAIL skid. 6. 107 MW (50%) PPA signed with UPCL.	
	GT-1	75	10/11	10/11	01/16	01/16		
	GT-2	75	10/11	10/11	02/16	02/16		
	ST	75	10/11	10/11	03/16	03/16		
	Org.Est. cost		Rs.83400 Lakhs					
	Latest cost		Rs. 115600Lakhs					
	Exp. During 10-11		Rs. 11000Lakhs					
	Exp. During 11-12		Rs 70400 Lakhs					
	Exp. During 12-13		Rs 2000 Lakhs					
	Exp. During 13-14		Rs 15000 Lakhs					
	Exp. During 14-15 (upto 06/14)		Rs 2400 Lakhs					
	Cumm. Exp up to 06/14		: Rs. 100800 Lakhs					
	Financial closure		Achieved					
	Type of fuel		: Natural Gas					
	FSA		: Awaiting for Domestic Gas allocation.					
	Date of Main Plant Order		: 29.07.10 on M/s Gama Infraprop (P) Ltd (EPC Basis).					
	Zero date of the project		: 29.07.10					
	Power Evacuation System: Applied to PGCIL and PTCUL. LILO of 220kV circuit from 400kV Kashipur to 220 kV Mahua Khera Ganj is required.							
		Critical Areas		1. Gas allocation 2. Transmission to 220kV Mahua Khera Ganj. 3. Project is ready for commissioning subject to availability of Gas.				

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn	Comm	
4	BETA CCPP, Module-I, at Kashipur (M/s BETA INFRATECH PRIVATE LTD.), Udham Singh Nagar	225					1. All statutory clearances are available. 2. Zero date of the project is 04.12.10. 3. All the BOPs are either already completed or nearing completion. 4. Both the gas conditioning skids are ready. 5. Gas in gas pipeline charged upto GAIL skid inside the project.
	GT-1	77	12/11	12/11	*	*	OPEN CYCLE GT & GTG 1. Both the gas turbines (6FA, GE France) & generators supply reached at site. 2. Erection of both the GTs and GTGs has completed. 3. GT oil flushing completed. 4. GT is ready to put on turning gear. COMBINED CYCLE HRSG-I &II 1. Both the HRSGs order have placed on M/s Thermax (India) 23.10.10. 2. HRSG erection completed. 3. HT of both HRSGs completed. 4. HRSG is ready for ABO. ST: 1. ACC erection started on 01.05.12. 2. ACC erection completed. 3. ST order has placed on M/s G.E. 04.12.10. 4. TG erection started 26.04.12. 5. TG Box Up completed 6. TG oil flushing completion is expected 10/13. 7. TG put on BG. *Commissioning schedule depends on availability of Gas
	GT-2	77	12/11	12/11	*	*	
	ST	75	03/12	03/12	*	*	
	Org.Est. cost		: Rs. 93600 Lakhs				
	Latest cost		: Rs. 125400 Lakhs				
	Exp. During 10-11		: Rs. 4649 Lakhs				
	Exp. During 11-12		: Rs. 74994 Lakhs				
	Exp. During 12-13		: Rs. 20008 Lakhs				
	Exp. During 13-14		: Rs. 16000 Lakhs				
	Exp. During 14-15 (upto 06/14)		: Rs. 2913 Lakhs				
	Cumm. Exp up to 06/14		: Rs. 118564 Lakhs				
	Financial closure		: Achieved				
	Type of fuel		: Natural Gas				
	FSA		: Awaiting for Domestic Gas allocation.				
	Date of Main Plant Order (GT+ST+HRSG)		: 20.09.10, 04.12.10 And 23.10.10 on M/s BETA Infraprop (P) Ltd (EPC Basis) through ICB route.				
	Zero date of the project		: 04.12.10				
	Power Evacuation System: Connectivity of the plant with 220/132kV Mahua Khera Ganj substation has been approved. LILO of 220kV circuit from 400kV Kashipur to 220 kV Mahua Khera Ganj is required. Long Term Access (LTA) from 220kV/132kV Mahua Khera Ganj sub-station has been approved by PGCIL.						
	Critical Areas		Availability of Gas Project is ready for commissioning subject to availability of Gas.				

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 on Barring 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 03/16 Insulation works under progress. 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. 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 – Completed. U-2: Completed. 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. Fills & PVC distribution pipes erection completed in 1 st compartment. Distribution pipe strapping work U/P. 11) CHP: Track hopper work U/P and civil & structural work for TP-2 ,3,4,5,6,7,8 &10 completed. 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. Conveyor 1A/B: 1A belt erected
	Unit-1	500	05/12	09/12	21.12.13 (A)	30.03.14 (A) 11/15	
	Unit-2	500	07/12	11/12	30.03.15 (A)	03/16	
	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	: Rs. 708600 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 01/16)	: Rs 99594 lakhs					
	Total Cumm. Exp. (up to 01/16)	: Rs.771450 Lakhs					
	Type of fuel	: Coal					
	Financial Closure	: 31.03.08					
	Zero date	: 11.04.08 for BTG and 25.08.09 for BOPs . Order for civil works Placed on BHEL on 31.12.08 which is considered as zero date.					
	Date of Main Plant Order	: BTG on BHEL on 11.04.08 (supply, erection & commissioning of BTG and Electrical & C&I) BTG associated civil works-M/S BHEL on 31.12.08. BOPs ordered on EPC on M/s BGR on 25.08.09					
	Power Evacuation	Work of power evacuation is being taken up by CSP Trans. Co.Ltd.. i) Order placed for 400kV Marwa-Raipur DCDS line and route survey completed. ii) Construction of 400 kV Korba (W)-Khedamara DCDS line is in progress which shall be made in/out at Marwa. iii) 220 kV DCDS I/C Marwa-Champa line-profile is approved and order placed. iv) 220 kV DCDS Marwa- Bilaspur line is proposed					
	Financial Tie -Up	10% from own sources and 90 % from PFC. PFC sanctioned loan on 31.03.08.					

	Power Purchase Agreement	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. FSA has been signed with SECL on 04.09.13 against taper linkage with parsal coal block. This block has been deallocated by the order of Hon'ble Supreme court. Further Gare Palma Sector-III coal block has been allocated by MOC with mineable reserve of 134 MT. 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.	and 1B trial completed. 2A/B- 2A trail completed. 2B structure erection U/P. 3A/B- 3B trail completed. 3A belt erection completed and hydraulic system ready. 4A/B- 4A trail completed. 4B belt erected. 5A/B – Both load trail taken. 6A/B- 6A no load trail taken. 6B belt erected. 7A/B- both trail completed. 8A/B- Structural erection U/P. 9A/B/C/D- trail taken expect 9B/D, 10 A/B/C/D and 11A/B- Structural erection U/P. 12 trail taken. Stacker 1&2- Mechanical & electrical erection U/P. 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 1&2 , 49.277 m & silo No. 3 & 4 49.427 m completed. 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 12245569.6671 MT boiler material, 19599.3298 MT of ESP material and 19073.19417 MT of Turbo generator material was received at site as on 31.01.16
		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) Parsal coal block has been allotted on 02.08.06 with GR of 150mt. There was fire accident in the project site (CHP: Crusher house) due to that the commissioning of the unit-2 will be delayed from 09/15 to 02/16. There was major fire in the Crusher House on 14.07.15. Extensive damage has been done to Crusher house equipment and building structures. May take 3-4 months for restoration. Even Unit #1 COD could not be done. Due to fire in Crusher house of Coal handling plant, major damage was caused. The restoration work to take another 2-3 months. Consequently COD of the 1st unit could not be accomplished, which is now expected by Jan.,16. Thereafter the 2nd unit will be taken up – likely in Feb.'16. - CSPGCL Unit synchronised on 31/03/15. Full Load dependent on restoration of Crusher house in CHP (since damaged due to fire in Jul '15	

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Ant.		
			Syn.	Comm	Syn.	Comm COD	
2	Salora TPP (Katghora Tal; Distt. Korba) M/s Vandana Vidyut Ltd	540					a) LOA has been issued on 21.11.08 on M/s Cethar Vessels Ltd , Thiruchirapalli on BTG basis , Boiler : Cethar Vessels Ltd, Turbine Generator: M/s Harbine Turbine Co.Ltd, China b) Land : Required 261 Ha , Possession : 260.899 Ha. c) Allocation of coal is from Fatehpur East Coal Block (Jointly) allotted by MOC and tapering coal linkage granted for 2x135 MW on 29.01.10 from SLC, LT meeting of MOC, for 2nd phase of 1x270 MW under process with MoC. Carpet coal recommended for CEA for startup of 1st unit. d) PPA was signed with CSPTCLL on 05.01.11 e) 18 MCM Water allocated by WRD, Govt.of C.G from Hasdeo River. f) MOEF clearance obtained on 09.06.09.and State pollution clearance obtained on 09.03.09.Civil aviation clearance obtained on 24.04.09. g) Cooling :Under progress h)CHP : :Under progress i)AHP: Under progress j)Chimney: Flue can erection completed. Switchyard Back-charged on 29.09.12. FSA Signed Boiler:1 Erection of Boiler-1 started in 11/10. Boiler Drum lifted on 23.02.11. HT completed on 28.01.12. Explosive Approval obtained on 22.01.13 and oil will be arranged with in 3 days.. BLU completed on 06.03.13. SBO completed. Unit synchronized on 04.09.13. Full load achieved on 10.04.14. TG-1: TG erection started in 11/11and TG box-up completed in 07/12 Letter issued by CEA to Chairman, CIL for 30000 T of coal for U-1 on 11.01.13. Boiler-2 : Boiler erection started in 11/10 and drum lifted in 04/11. HT completed in 10/12 . BLU completed in 09/14 and steam blowing completed in 10/14. Unit Synchronised and full load by 12/15 TG-2: TG erection started in 11/11and TG boxed-up 09/14 and barring gear in 10/14. Delay due to supply of boiler material & CHP material by M/s Cethar Vessels Ltd.and delay in getting of start up power. Delay due to agitation by the villagers at project site. <

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
8	Singhitarai TPP (DumatpalliTPP) Janjgir (Vill) Champa Distt. (M/s Athena Chhattisgarh Power Ltd)	1200					Unit-1: Boiler 1. Boiler erection started in 07/12 . 2. Drum lifted on 07.04.13. 3. HT conducted on 18.03.15 . 4. Non-Drainable HT done on 08.10.15 4. BLU expected in 06/16 5. SBO Completion expected in 07/16 6. Syn. expected in 08/16
	Unit-1	600	10/14	11/14	09/16		4. BLU expected in 06/16
	Unit-2	600	01/15	02/15	05/17		5. SBO Completion expected in 07/16 6. Syn. expected in 08/16
	Date of TEC	: Not Required					
	Date of Appr. State Govt.	:					
	Est. approved cost	: Rs. 620000 lakhs					
	Latest Cost	: Rs. 811900 lakhs : Rs. 844379 lakhs					
	Exp up to 03/2008	:Rs. 371 lakhs					
	Exp 2008-09	:Rs. 3509 lakhs					
	Exp 2009-10	:Rs. 6690 lakhs					
	Exp. 2010-11	:Rs. 56343 lakhs					
	Exp. 2011-12	:Rs. 50204 lakhs					
	Exp. 2012-13	:Rs: 92116 lakhs					
	Exp. 2013-14	:Rs: 129337 lakhs					
	Exp. 2014-15	:Rs: 154090 lakhs					
	Exp. 2015-16 (12/15)	:Rs: 58438 lakhs					
	Cum.Exp. up to 12/15	:Rs. 551098 lakhs					
	Financial Closure	Achieved (Common loan agreement signed on 30.03.11)					
	Zero date	01.06.11 (NIT issued)					
	Mega Status	Provisional Mega Status received from MOP on 24.11.11					
	Type of fuel	: COAL, Fuel Linkage-SECL for 1 unit and balance coal from Fatehpur East coal block. FSA – yet to be signed.					
	Land	: 911 (98%) in possession rest in final stage.					
	Water	:35 MCM per annum allocated from Mahanadi.					
	Main Plant Order(BTG)	:Awarded on 21.12.09 to M/s DECL.					
	MoEF Clearance	: Obtained on 04.06.10.					
	SPCB Clearance	: Obtained on 02.08.10.					
	BOP (EPC basis)	: M/s Abir infrastructure on 18.08.10.					
	PPA	Long term and short term PPA signed with PTC. 444 MW signed with CSPT and 150 MW signed with Nepal electricity authority. For 200 MW-participated in case-I bidding in RRVN and shortlisted for supply of 200 MW to RRVUNL.					
	Power Evacuation System	Route survey for 400 kv DC transmission line completed. Ground work in progress.					
							Pending Issues as per letter dated 07.07.15 Railway Land: 177.52 acres (external railway siding) is to be acquired . As on date 3.45 acres acquired. Delay in Land Acquisition: Jhanjgir-Champa Distt: Private 19.72 acrs. & Govt. 1.6 acrs & in Raigarh Distt: Private 137.08 arcs and Govt. 3.49 arcs
							PPA : CSPT radeco: 60 MW (5% of gross cap.) Variable Charges. 383 MW to be sold at CERC levelised Tariff 4.5977/unit (presently assumed) & Nepal Electricity Authority (NEA) for 160 MW at a levelised Tariff of Rs.3.74/unit. Balance Power sale: Company had submitted bids in RFQ stage for case-I of MP, Telangana and had qualified, but both states have not gone ahead with the case-I bid process. Qualified in case-I bid invited by TATA Power Delhi Dist. Ltd. Invited to participate in the new bid by UPPCL. Transmission: LTOA granted on 01.10.09. BTPA entered into on 24.02.10. Transmission lines erection in advanced stages and the transmission system including back charging is expected to be completed before August,2015.
							Status of Coal Linkage: FSA executed with SECL for 2.49 MTPA . Balance coal was to be sourced from allocated coal block Fatehpur East which has been cancelled. Company was not successful in coal auctions. Company requests sanction for linkage for U-2.
							Except for land acquisition for railway siding no constraints in coal transportation / constraints Start up Power will be available in 12/15.
	Critical Areas	Delay in BTG erection work.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Comm	COD	Comm	COD		
9	Binjkote TPP SKS power Gen. (Chhattis.) Ltd Vill-Binjkote, Darramura and Kharsia. Distt.: Raigarh State- Chhattisgarh	1200					Unit-1: Boiler: - Boiler erection started on 12.06.12 . - Boiler drum lifted on 02.05.13 . - HT conducted on 27.06.14 . - BLU expected in 06/16. - SBO completion expected in 06/16. TG : - Condenser erection started 04/14 . - TG erection started in 05/14 . - TG box up expected in 02/16. - OF completion by 02/16 - TG on barring gear expected in 07/16 Unit-2 Boiler : - Boiler erection started on 08.09.12 . - Boiler drum lifted on 30.05.13 . - HT conducted on 03.11.14 . - BLU expected in 08/16. - SBO completion expected in 09/16 TG : - Condenser erection started in 01/15 . - TG erection Started in 09/14 . - TG box up expected in 08/16. - TG OF completion expected in 09/16. Unit-3: Boiler : 1. Boiler erection yet to be started. * 2. Condenser erection yet to be started. 3. TG erection yet to be started. Unit-4: Boiler : 1. Boiler erection yet to be started.* 2. Condenser erection yet to be started. 3. TG erection yet to be started. * The dates would be decided after start of Boiler erection start. As per the letter dated 08.07.15 the issues are as follows: The project has been delayed due to funding constraint. (Blackstone through its subsidiary Sithe Global had committed to invest for equity of both the phases. However they stopped funding in Dec.,13) This leading to delay & cost overrun(Promoter equity till date is Rs. 889 cr. Proposal of the Cost over run approx. is Rs 1450 cr to Ph-I of the project. Has been put up for approval of SBI.As per the RBI guideline , banks can only fund 10% of the cost overrun which is acting as a major constraint in funding of the project. PPA Issue: There are limited case-I bid, which causing delay in tie up of power on long term, The states MP & Telangana have been withdrawn case-I bids. Apart from Tata Power Distribution 400 MW case-I bid, there is no case-I bid in the market. Because of non-availability of PPAs, lenders & investors are reluctant to finance the project. FSA Issue: Drawing the coal under FSA is signing of PPA.MOP/MOC to de-link validity of FSA without any condition precedents as there are no case-I bids. Total Land requirement = 900 Acres(242.54 Govt. +645.66 Pvt) Actual Land Acquired = 844.10 Acres(198.44 Govt.+645.66 Pvt) Balance Land to be Acquired = 55.9 Acres (44.10 Govt.+11.8 Pvt)	
	Unit-1	300	08/13	09/13	08/16	09/16		
	Unit-2	300	11/13	12/13	12/16	12/16		
	Unit-3	300	02/14	03/14	*	*		
	Unit-4	300	05/14	06/14	*	*		
	Date of Appr. State Govt.	: SKS signed an MOU with Govt. of Chhattisgarh on 07.01.08.for setting up coal based TPS.						
	Bank Disbursement	: Rs 180000 Lakhs						
	Est. approved cost	: Rs. 505800 lakhs						
	Latest Cost: Ph-I: 3787.2 Cr& Ph-II : 3106.8 Cr	: Rs. 689000 lakhs						
	Latest Cost : Ph-I : 5240Cr & Ph-II: 3200 Cr less 500 Cr	: Rs. 794000 lakhs						
	Exp. During 2008-09	: Rs 4000 lakhs						
	Exp. During 2009-10	: Rs. 5225 lakhs						
	Exp. During 2010-11	: Rs. 21435 lakhs						
	Exp. During 2011-12	: Rs. 55000 lakhs						
	Exp. During 2012-13	: Rs. 126590 lakhs						
	Exp. During 2013-14	: Rs. 46778 lakhs						
	Exp. During 2014-15	: Rs.112677 lakhs						
	Exp. During 2015-16 (up to 06/15)	: Rs. 11095 lakhs						
	Cumm. Exp Up to 06/15.	: Rs 382800 lakhs						
	Financial Closure	Completed.						
	Zero date	12.05.2011						
	Type of fuel	: COAL						
	Mega Status	: Achieved on 29.02.12.						
	Date of Main Plant Order (EPC)	M/s Cethar Ltd. On 02.03.11. Boiler- Cethar Ltd. trichy, India and TG - Harbin, China						
	PPA	37.5% of 1200 MW with CSPTRADECO. 550 MW with TPTCL. Participated for 100 MW in Case-I bidding in RVPN.						
	MoEF clearance	Obtained on 05.10.10.						
	Defence Clearance	Obtained for Chimney on 04.03.11.						
	SPCB Clearance	Consent to establish received on 24.01.11.						
	Civil Aviation clearance	Received clearance for Chimney on 09.04.2009.						
	Water	35 MCM from mahanadi(44 Km pipeline).						
	Land	510 acre of land acquired and 354 acre under acquisition.						
	Power Evacuation System	Signed BPTA with PGCILon 24.02.10 for evacuation of entire power from kotra sub-station.						
	FSA	Granted coal linkage for entire 1200 MW by SECL. FSA signed for U-1 &U-2 for 1.3 MTPA on 28.08.13 and 23.09.13 respectively.						

10	Uchpinda TPP Unit-1(Ph-I) Unit-2,3&4(Ph-II) R.K.M Power, Janjgir Chhatisgarh	1440	Commissioning Schedule				Ministry of Coal (MoC) approved issue of LOA for U-1 &U-2 on 24.09.07 and for U-3 &U-4 on 12.11.08.
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	Unit-I 1. Boiler erection started on 03.09.11 . 2. Boiler drum lifted on 22.04.12 . 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 on 02.09.14 9. TG oil flushing completed 07/14 . 10. TG barring gear on 09.12.14 . 11. Unit synchronized on 28.02.15 . 12. Consent to operate received on 17.07.15 13. Full Load achieved on 28.10.15 .
	Unit-1	360	03/12	05/12	28.10.15(A)	10/15	
	Unit-2	360	09/12	11/12	28.01.16(A)	01/16	
	Unit-3	360	12/12	02/13	07/16	07/16	
	Unit-4	360	05/13	07/13	10/16	10/16	
	Org.Est. cost / latest cost (Ph-I- 148750 lacs/ 238918 lacs Ph-II – 516611 lacs / 798815 lacs)		: Rs. 665361 Lacs				Unit-II 1. Boiler erection started on 12.12.11 . 2. Boiler drum lifted on 30.04.12 . 3. HT conducted on 07.11.13 4. Non drainable HT done on 07.03.14 5. BLU done on 17.04.15 6. SBO completed on 25.10.15 . 7. TG erection started on 16.03.14 8. TG boxed up in 04/2015 9. TG Oil Flushing Completed in 07/15 10. TG on barring Gear in 07/15 11. Unit Synchronized on 07.01.16 12. Coal fired on 07.01.16 13. Load achieved up to 120 MW 14. Consent to operate received from State Govt. 01.01.16 15. Full Load achieved on 28.01.16 Unit-III 1. Boiler erection started on 12.01.12 . 2. Boiler drum lifted on 19.05.12 3. HT (drainable) conducted on 22.08.14 4. BLU expected in 04/16 5. SBO expected in 05/16. 6. TG erection started on 11.10.14 7. TG box up expected in 03/16.(Temp. box up completed.) 8. TG OF completion expected in 03/16. 9. TG BG expected in 03/16. 10. Syn. Expected in 06/16 11. FL expected 07/16 Unit-IV 1. Boiler erection started on 30.04.12 2. Boiler drum lifted on 26.01.13 3. HT conducted on 20.01.15 4. BLU expected in 06/16 5. TG erection started on 25.11.14 6. TG box-up expected in 07/16 7. TG OF completion expected in 08/16 8. Syn. Expected in 08/16 Consent operate has been applied on 06.05.15 for U-3 and U-4 Delay is due to delay in getting of consent to operate with coal Waiting for SECL to sign agreement for coal procurement U-1: BTG& BOP equipment 21160 MT reached site U-2: BTG & BOP equipment 21937 MT reached site U-3: BTG&BOP equipment 20064 MT reached site U-4: BTG&BOP equipment 20513 MT reached site
	Latest cost		: 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		: Rs. 121599 lacs				
	Exp. During 15-16(01/16)		: Rs 90333 lacs				
	Cumm Exp. (Up to 01/16)		: Rs.1016667 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	Very slow erection works in TG area for U-3 and U-4.					

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com. COD	
4	Akaltara(Nariyara) TPP, (Distt: Champa) M/s KSK Mahanadi Power Company Ltd.(Formerly Wardha Power Company Ltd)	3600					1. All clearances are available. 2. Zero date of the project is 21.04.09. 3. Mega status requested for the project. 4. The order for main plant civil & Structural work placed on M/s Simplex Infra Ltd, Punj Lloyd Ltd. on 19.12.09. 5. The order for most of the BOPs have already been placed and progressing as per schedule 6. Consent for operation received from CECB Raipur (CG) for first two units.
	Unit-1	600	02/12	04/12	18.05.13 (A)	13.08.13 (A) 08/13 (A)	Unit-1 Boiler 1. Boiler erection started on 18.08.10. 2. Boiler Drum lifted on 29.04.11. 3. Boiler HT (Non-Drainable) completed on 06.07.12 4. Boiler Chemical cleaning completed on 12.04.13 and insulation work completed. 5. BLU completed on 10.04.13. 6. EDTA completed on 12.04.13 7. SBO completed on 24.04.13 8. Oil synch. Completed on 18.05.13 10. Full load achieved on 13.08.13 COD achieved on 14.08.13
	Unit-2	600	06/12	08/12	08.08.14 (A)	22.08.14 (A) 09/14	TG 1. TG Deck casting completed on 05.10.11. 2. TG erection started on 16.04.12. 3. TG boxed up on 06.11.12. 4. TG oil flushing completed on 17.01.13
	Unit-3	600	10/12	12/12	03/17	04/17	Unit-2 Boiler 1. Boiler erection started on 01.12.10 2. Boiler Drum lifted 19.06.11. 3. Boiler HT (Non-Drainable completed on 11.05.13 4. BLU completed on 17.05.14 5. SBO completed 6. Oil synchronized on 08.08.14. 7. Full load achieved on 22.08.14. COD achieved on 26.08.14
	Unit-4	600	02/13	04/13	07/17	08/17	TG 1.TG Deck casting completed on 20.02.12. 2.TG erection started on 07.11.12 3.TG boxed up 4.TG oil flushing completed. 5. TG Barring gear completed in 07/14
	Unit-5	600	06/13	08/13	11/17	12/17	Unit-3 Boiler 1. Boiler erection started on 01.04.11 2. Boiler Drum lifted on 29.04.12 3. Boiler HT (Non-Drainable) is expected in 04/16 4. BLU is expected in 09/16 5. SBO completion is expected in 12/16 6. Oil synch. is expected in 02/17. 7. Coal Firing is expected in 03/17 8. Full load is expected in 04/17
	Unit-6	600	10/13	12/13	03/18	04/18	TG 1.TG Deck casting completed. 2.TG erection start expected in 02/16 3.TG box up is expected in 09/16 4.TG oil flushing completion is expected in 10/16.
	Date of Approval by State Govt.		: N.A.				
	Org.Est. cost		:Rs.1619000 Lakh				
	Latest Cost		: Rs. 2287448 lakhs				
	Exp. During 10-11		: Rs. 45529.8 Lakh				
	Exp. During 11-12		: Rs. 821600 Lakh				
	Exp. During 12-13		: Rs. 222416 lakhs				
	Exp. During 13-14		: Rs.209517 lakhs				
	Exp. During 14-15		: Rs.164917 lakhs				
	Exp. During 15-16 (Up to 08/15)		: Rs. 32920 lakhs				
	Total Exp.(upto 08/15)		:Rs.1496900 Lakhs				
	Financial Closure		: Achieved on 30.03.10.				
	Type of fuel		:Coal				
	Fuel Linkage		:SECL (Tapering coal linkage to 3x600MW only)				
	Date of Main Plant Order (Boiler-Shanghai Boiler Works, China) (TG- Dongfang Electric Company,China)		BTG Contract awarded on 21.04.09				
	Zero date of the project		: 21.04.09				
	Power Evacuation System: Power is to be evacuated to PGCIL pooling station through 400kV transmission system. Final bulk power transmission agreement signed with PGCIL on 25.02.10.						Unit-4 Boiler 1. Boiler erection started on 08.12.11

	Land Possession : Complete land for the project is under possession Water Allocation: Water Resources Department , Govt., of Chhattisgarh has allocated 100 MCM of water /year from Mahanadi River from proposed anicut at Basantpur. MOE &F clearance: Received on 19.10.09 State Pollution Control Board: Chhattisgarh Environment Conservation Board (CECB) granted “ consent for Establishment” for 6x600 MW on 16.02.10. State pollution Control Board Clearance: Chhattisgarh Environment Conservation Board (CECB) has granted ‘Consent for Establishment ‘ for 6x600 MW power plant of WPCL,CG on 16.02.10 and Consent for operation received from CECB for first unit on 28.02.13. Civil Aviation Clearance: NOC received on 12.05.09. Back Charging of 400 kV Switchyard completed on 27.08.12 Delay due to shortage of manpower and agitations by Villagers. Supply of material due to shortage of funds. U-4 Boiler drum yet to dispatch from China. PPA: PPA signed with Gujarat Urja Vikas Nigam Ltd for 1010 MW on 03.06.10. PPA signed with APCPDCL for 400 MW on 31.07.12. PPA signed with CSP Trade Co for 225 MW on 18.10.13 PPA signed with TANGEDCO for 500 MW on 27.11.13 PPA signed with UPPCL for 1000 MW on 26.02.14 PPA in line with implementation agreement entered into Govt of Chhattisgarh for 1350 MW. PPA in line with Fuel supply agreement entered into with GIDC for 450 MW. 390 MW under case 1 tender guide-line to various state Distribution companies. Delay is due to shortage of Manpower and agitations by Villagers. As per the letter dated 15.01.14 regarding PPA 1) Discoms of A.P – 400 MW - Agreement dated 31.07.12 for 3 years. 2) Tamilnadu Generation & Distribution Corp. Ltd- 500MW – Agreement dated 27.11.13 for 15 years. 3) Gujarat Urja Vikas Nigam Ltd – 1010MW- Agreement dated 03.06.10 for 25 years 4) Chhattisgarh State Power Distribution Co. Ltd- 225 MW- Agreement dated 18.10.13 for 25 years. 5) Uttar Pradesh Power Corpn.Ltd(UPDISCOMS)-1000 MW- Agreement Dated 26.02.14	2. Boiler Drum lifting is expected in 02/16 3. Boiler HT (Non-Drainable) is expected in 08/16. 4. BLU is expected in 12/16 5. SBO completion is expected in 01/17 6. Oil synch. is expected in 06/17 7. Coal Firing is expected in 07/17 8. Full load is expected in 08/17 TG 1. TG Deck casting completed on 06.10.12. 2.TG erection start is expected in 03/16 3.TG box up is expected in 12/16 4.TG oil flushing completion is expected in 01/17 Unit-5 Boiler 1. Boiler erection started on 06.02.12. 2. Boiler Drum lifting is expected in 04/16 3. Boiler HT (Non-Drainable) is expected in 11/16. 4. BLU is expected in 06/17. 5. SBO completion is expected in 09/17. 6. Oil synch. is expected in 10/17. 7. Coal Firing is expected in 11/17. 8. Full load is expected in 12/17. TG 1. TG Deck casting completion is expected in 01/16 2.TG erection start is expected in 05/16. 3.TG box up is expected in 12/17. 4.TG oil flushing completion is expected in 11/17. Unit-6 Boiler Boiler raft casting completed. 1. Boiler erection start expected in 03/16. 2. Boiler Drum lifting is expected in 08/16. 3. Boiler HT (Non-Drainable) is expected in 05/17. 4. BLU is expected in 12/17. 5. SBO completion is expected in 12/17. 6. Oil synch. is expected in 02/18. 7. Coal Firing is expected in 03/18. 8. Full load is expected in 04/18. TG 1. TG raft casting completed and column casting is in progress. Deck casting completion is expected in 01/16 2.TG erection start is expected in 09/16. 3.TG box up is expected in 12/17 4.TG oil flushing completion is expected in 01/18 Chimney: 1: Chimney shell casting 270 m completed. Flue cane erection completed. For 1st unit. Chimney-2: Shell casting 270 m completed. Flue can fabrication & erection completed.
Coal Linkage/ FSA	Letter of Assurance(LOA) for tapering coal linkage to 3x600 MW has been granted by SECL on 11.06.09. Submitted all documents in support of completion of milestones as per LOA and awaiting for FSA.	
Critical Areas	Coal Linkage to remaining 3 units.	

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Ant.		
			Syn.	Comm	Syn.	Comm COD	
3	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. 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.. h) CHP: 100% completed for U-2 and 83% completed for U-1. 83% completed for U-3 and 80% for U-4. i) AHP: 100% completed for U-2 and 94% completed for U-1. 55% completed for U-3 and 50% for U-4. 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. k) Main power house Civil works for all 4 units 100% completed and structural work for 2 units 100% completed. <u>Unit-2</u> 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. Unit Re synchronized on 12.03.16 with oil and after that coal firing also done , unit obtained 150 MW. Now unit was shutdown due to some technical problem abd re synchronization expected on 20.03.16. <u>TG:</u> TG erection started on 25.07.10. Turbine box up completed on 10.10.11. Oil flushing completed <u>Unit-1:</u> 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 synchronized in 05/15, Full load achieved on 04.06.15 <u>Turbine:</u> TG erection started on 12.02.10. Turbine box up Completed on 20.10.10. Oil flushing completed. <u>Unit:3</u> : 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. <u>Unit-4:</u> 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.
Unit-1	300	07/10	09/10	09/11(A)	04.06.15 (A)		
Unit-2	300	02//10	04/10	05/12(A)	03/2016 XX		
Unit-3	300	03//10	06/10	05/12			
Unit-4	300	09/10	12/10	07/12			
Date of TEC		: Not Required					
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							
Latest: The project authorities are busy in commissioning of 1 st unit of captive power plant and after that U-2 will be commissioned. In the meantime there will be transmission corridor problem.							
The first unit is already commissioned and COD conducted. There is no commercial interest for the Developer to commission the second unit as PPA is only for 300 MW out of plant capacity of 600 MW. However merchant sale/ short term sale can be effected for which the Dharamjaygarh link is to be made available. (2 Towers are stuck up for forest clearance) – The line is now projected for completion in Oct.'15. Accordingly 2 nd unit commissioning in Nov./ Dec.'15.							
	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.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm COD	
	Private Sector						
1	Lanco Amarkantak Mega TPS (Pathadi) (Distt. Korba) M/s LAP Pvt. Ltd. Phase-II	1200					1) Main plant package (BTG) awarded on 17.11.09 on M/s DEC as vendor and award of contracting agency on 12.11.09 on M/s HTC/HEC . 2) PPA signed with CSP Tradeco for 35% home state share on 04.01.11.. 3) Sanction of Water requirement of 54 MCM from Hasdeo river for U-3 & U-4 received from Govt. of Chhattisgarh. 4) MOEF clearance for unit-3 received on 04.09.08 and for Unit-4 on 26.05.10. 5) NOC for 275 m . Twin flue chimney was obtained on 25.08.08 from AAI. 6) Land:Total land requirement for U-1,2,3,&4 is 1395 acres out of which 791 acres already acquired. For the entire balance land, section 4,6 &9 completed . Lease deed is to be registered shortly..(Lease deed signed for 90% of total land with CSIDC, Raipur and balance is Under process). Unit-3: Boiler erection started in 09/10. Ceiling Girder erection& alignment completed. Power house building structural erection work is completed. Pressure parts erection is U/P 4450/6000 MT completed.). Air pre heater work is completed. 1 st Pass: water wall rear upper header & rear upper water wall erection is in progress. 2 nd pass: Roof super heater erection is in progress. 54% of ducting erection completed & 45% of coal piping erection U/P. PA FD & ID fan erection completed. . Works held up due to shortage of funds. Now work is started. HT (Non-drainable) expected 08/16 . BLU expected in 03/17. Syn exp. In 07/17 and full load in 09/17.
	Unit-3	660	01/12	01/12	06/17	09/17	
	Unit-4	660	03/12	03/12	09/17	12/17	
	Date of TEC	: Not Required					
	Date of Appr. State Govt.	:					
	Est. approved cost	: Rs.688600 Lakhs					
	Latest Cost	: Rs770000 Lakhs					
		:Rs. 1081524 lakhs					
	Exp. During 2007-08	: Rs. 189 lakhs					
	Exp. During 2008-09	: Rs. 209 lakhs					
	Exp. During 2009-10	: Rs. 9841 lakhs					
	Exp. During 2010-11	: Rs.206364 lakhs					
	Exp. During 2011-12	:Rs 262658 lakhs					
	Exp. During 2012-13	: Rs. 125739 Lakhs					
	Exp. During 2013-14	: Rs. 12500 Lakhs					
	Exp. During 2014-15	: Rs. 61445 Lakhs					
	Exp. During 2015-16 (Up to 12/15)	:Rs 126655 Lakhs					
	Cum.Exp. up to 12/15	: Rs 805600 lakhs					
	Financial Closure	: Achieved in March,2011					
	Zero date	: Unit-3: 17.11.09 : Unit-4:					
	Type of fuel	: COAL					
	Date of Main Plant Order	Unit-3 &4: Main plant package (BTG) awarded on 17.11.09 to M/s DEC					
	As per letter dated 15.01.14 PPA Details: LAPL has participated in recent Case-I bid invited by Uttar Pradesh Power Corporation Ltd. (UPPCL) which is under evaluation.						
	As per the letter dated 15.07.14. Reasons for delay						
	Delay in land acquisition on account of Govt. Process delays and local disturbances. Substantial increase of interest rates. Unprecedented rupee depreciation Change in policies in respect of signing of FSA and linkage coal quantity. Shortage of domestic coal and consequential financial impact due to higher cost of alternate fuel(e- auction and imported coal) Change in policy guidelines with respect to Mega status.						
	As per the letter dated 02.09.15. Reasons for delay						
	i) Delay in physical possession of land. ii) Post award change in specification like High Density system in AHP and wagon tripler in CHP due to statutory compliance and other constrains like. iii) Frequent stoppage of construction work by local people and land loser. iv) Midway change in policy guidelines withdrawing duty draw back benefits and introducing of refundable FDR mechanism under revised mega power policy guidelines due to which the clearance of import suspended till the date of obtaining provisional Mega status certificate from MOP to avail the benefit to refund of FDR mechanism on receipt of Mega Power Status. v) Suspension of work due to extended monsoons. vi) Long drawn procedure in obtaining forest clearance for laying the transmission line and inordinate delay thereto.						
	ID/FD/PA fan erection U/P. ESP: Pass B&D electrode erection in progress. 6950/8000 MT erection completed. TG-4: Condenser erection started on 02.11.11. Deck casting completed. TG erection started in 05/13. TG box up expected in 12/16. 3/3 HP heater erection & one de-arator						

		erection completed. PHB: PHB cladding work for u-3 completed and for U-4 U/P. Architecture work for CR is U/P. CHP: Track-hopper completed. Crusher house-piles completed. Pent-house completed. Structural erection work is in progress. Tunnel –pedestal work U/P. Mech. work of Conveyor belt U/P. TP-,7,8,9 foundation work completed and TP-6 &10 U/P . TPs & Galleries structural erection work U/P. AHP: Pipe rack erection & Ash pipe corridor work U/P. Bottom ash hopper foundation pedestal completed. Ash water pump-house slab work completed. Structural erection work is in progress. Fly ash tower foundation completed. Ash slurry pipe pedestals for U-3 completed. Chimney : Civil work up to 270 m achieved. Flue can work completed for U-3. Flue can structural erection for U-4 Completed and erection U/P Cooling Tower: 3400cu.M.RCC rafting completed in U-3 and 3150cu.M. RCC rafting completed in U-4. 444/468 column 1st lift completed.398/468 column 2nd lift completed. Basin wall & partition wall under progress for U-3.
	Power evacuation System	LTOA approved and BPTA signed on 24.02.10 . Pooling station location at Champa to be confirmed by PGCIL to start survey.
	Coal Linkage (FSA)	U-3 : LOA issued by SECL on 06.06.09. All milestones achieved. Letter submitted to SECL. U-4: LOA issued by SECL on 03.06.10. All milestones achieved. Letter submitted to SECL
	Critical Areas	Additional land acquisition is in progress. Delay due to financial constraints and supply of BTG material and acquisition of additional land for water system and delay in BoPs civil works

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
5	Deveri TPP Raigarh TPP (Visa) (VISA Raigarh STPP, Ph-I,) (Distt: Jangir Champa) M/s VISA Power Ltd.	1260					1. MOEF clearance obtained on 23.08.11 Amendment in MOEF clearance issued on 20.05.14 regarding the reduction in project area of 780 acres to 637 acres. Fatehpur coal block allocated to the Visa Power. 2. Consent to establish received from Chhattisgarh Environment Conservation Board on 08.11.11. 3. Chimney clearance from AAI received on 25.05.10. 4. BTPA signed on 24.02.10. 5. Transmission agreement signed with PGCIL. Kothra substation will be the delivery point. Bank Guarantee of Rs. 33.90 Crs submitted on 24.02.10 6. Water allocation received from WRD, Chhattisgarh for 35 MCM on 26.09.09. 7. Land available . 8. CT awarded to Paharpur cooling Towers 25.01.12. 9. Chimney awarded to Bygging India Ltd on 15.01.15 10. Raw Water pipe line awarded to TATA Projects Ltd. On 14.07.11 11. Switchyard awarded to Areva Ltd. 12. The order for all the BOPs on EPC basis including civil works have been placed on M/s L&T on 29.09.10. Civil works in all the BOPs are in progress and progressing as per schedule. BHEL (Trichy) supplied 13031 MT for Boiler & BHEL(Ranipet) 7340MT for ESP up to 11/2014 out of which 5792 MT of Boiler & 3749 MT of ESP erected. BHEL (PSWR) supplied 3863 MT of bunker structure material, out of which 2261 MT bunker structure fabricated. BHEL piping center (Chennai) supplied 1235 MT. Unit-1 Boiler 1. M/s Tixel has been appointed as Boiler Erection Agency. 2. Boiler erection started on 30.09.11. 8th tier erection completed. Ceiling girder A,B,C,D,E& F erection completed. Boiler drum lifting expected in 12/15. TG : TG deck raft completed and shuttering work final deck casting U/P. EOT crane erected and commissioned. TG erection start exp in 12/15. Fan foundation & Duct support work : FD & PA fan 1 no each casting completed. ID fan 2 nos raft completed. Duct Support foundation work in between Boiler-ESP-Chimney partly completed. Coal Mill & Mill Bunker Building: All mill foundation & bunker pedestal casting completed. Bunker structure and shell fabrication under progress. ESP: Pass A casing erection work completed. Suspensions for electrodes erection completed. Erection of collecting electrodes up to 10th field completed. Hopper top part erection completed in all 10 fields. Pass B: Column erection work completed. Pass-C- electrode erection completed in all 10 fields. Pass D: Casing erection completed. electrode erection completed in all 10 fields Chimney: Foundation works completed and shell casting work U/P. CHP: PCC in wagon tippler & TP-2 area is U/P. Cooling Tower: IDCT-I &2 excavation work completed.
	Unit-1	600	06/13	08/13	Uncertain	Uncertain	
	Unit-2	660					
	Org.Est. cost for both the units	Rs. 619000 Lakh					
	Unit-1 cost	Rs. 261870 lakhs					
	Unit-1 Latest cost	Rs. 393000 lakhs					
	Exp. During 10-11	Rs. 51763 lakhs					
	Exp. During 11-12	Rs. 53457 Lakh					
	Exp. During 12-13	Rs. 15481 Lakh					
	Exp. During 13-14	Rs. 47890 Lakh					
	Exp. During 14-15	Rs. 367596 Lakh					
	Exp. During 15-16 (Up to 11/15)	Rs. 2373 Lakh					
	Cumm. Exp (11/15)	Rs. 207723 lakhs					
	Financial Closure	Achieved for both the units					
	Type of fuel	Coal					
	Fuel Linkage	: SECL: 25.06.09 MCL : 15.06.09					
	Date of Main Plant Order(LOA)	BTG Contract awarded on 28.06.10 to M/s BHEL(Boiler-BHEL) (TG- BHEL)					
	Zero date of the project	: 09.08.10					
	Delay in land acquisition & delay in placement of orders for BoPs. Delay in supply of boiler drum by BHEL. Work is on hold due to Financial crunch. As per letter dated 14.01.14 PPA signed with WBSDCo. Ltd on 04.01.11 for 510 MW for 20 years through MOU route with 3part tariff (Cap. Charges+ energy Charges+ transportation charges). CSPTCo.Ltd an authorised representative of GOCG to execute PPA with Developers on behalf of the GOCG. This PPA is in line with the implementation agreement executed with GOCG						
	Power Evacuation System: Awarded the contract for construction of 400kV D/C transmission line on M/s KEC on 24.06.11. From PGCIL S/S at New Kotra. 400/765 Kv Pooling station for power evacuation –bays construction given to Alstom T7D on 31.12.11.						
	Coal linkage /FSA: Fatehpur East Coal Block jointly allotted. Domestic coal linkage applied. FSA signed with Indonesian coal supplier (PT Kubara Bumi Lestari) for supply of imported coal.						
	PPA Signed with CSPTCL & WBSIEDCL for 424 MW & 200 MW and WBSIEDCL for 200MW						
	Critical Areas : Boiler Drum has not dispatched by the BHEL which causes the delay in project commissioning. a. Delay in receipt of Environment Clearance from the MoEF for the power project. b. Delay in execution of lease hold deed for critical land with CSIDC. c. Delay in grant of various approvals related to Fatehpur East Coal Block including i) grant of prospecting license, ii) issuance of ToR by MoEF, iii) delay in grant of prior approval for mining lease, iv) delay in conducting of public hearing, v) delay in processing of Forest Diversion Proposal due to change in guideline of MoEF regarding compensatory afforestation land. The project implementation has been re- scheduled to match the availability of coal from FECB coal production. d. Tapering linkage for Unit # 1 has not been allotted. e. Long term linkage for Unit # 2 has not been allotted. f. Acquisition of land for the rail route connecting the plant to the nearest station, Bhupdeopur has been delayed.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com. COD	
6	Nawapara TPP (TRN TPP), (Distt: Raigarh) M/s TRN Energy Pvt Ltd.	600					1. All clearances are available. 2. Land is in possession. 3. Water 19 McM has been allocated by W.R. Deptt., Chhattisgarh. 4. MOEF clearance has been received on 18.03.11 5. Civil Aviation Clearance received on 24.02.12 6. State pollution control board Clearance: Consent to establish by Chhattisgarh environment conservation board on 03.10.11. 7. 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. 8. The Engineering is in progress. 9. PPA entered with Chhattisgarh State Power Trading Company Ltd. for 35% power. Participating in case-I Bidding for the balance PPA.
	Unit-1	300	11/13	12/13	03/16	04/16	Unit-1 Boiler Boiler civil works started on 29.03.12 1. Boiler erection started on 01.10.12. 2. Boiler Drum lifted on 30.03.13. 3. Boiler HT completed on 28.03.14 4. Chemical cleaning completed. 5. BLU completed on 27.12.15 6. Steam blowing completed on 05.01.16. 7. Oil Synch. is expected in 03/16. 8. Coal Firing is expected in 04/16 9. Full load is expected in 04/16
	Unit-2	300	03/14	04/14	09/16	09/16	TG Condenser erection started on 28.02.12 and condenser free assembling is in progress out side. TG civil works started on 01.07.12. 1. TG deck raft casting completed. 2. TG erection started in 05/14. 3. TG Boxed up in 12/15 4. TG put on barring gear in 12/15.
	Org.Est. cost	:Rs. 284400 Lakhs					
	Exp. During 11-12	: Rs. 27800 lakhs					
	Exp during 12-13	: Rs. 40523 Lakhs					
	Exp during 13-14	: Rs. 121353 Lakhs					
	Exp during 14-15	:Rs. 78824 Lakhs					
	Exp during 15-16 (up to)	: Rs. Lakha					
	Cumm. Exp (03/15)	: Rs 268500 lakhs					
	Financial Closure	: Achieved on 18.12.09					
	Type of fuel	:Coal					
		: SECL: 03.07.09					
	Fuel Linkage						
		: FSA signed with SECL on 23.11.2013					
	FSA						
	Date of Main Plant Order (Boiler-China) (TG- China)	BTG Contract awarded on 27.01.11 to M/s China Western Power Co.Ltd.					
	Zero date of the project (NTP)	: 27.06.11					
	Power Evacuation System: BPTA has signed with PGCIL for Raigarh Pooling Station (Tamnar) on 11.04.11 for 400 MW.						
	Delay in start of Civil works. Slow progress in erection works of Boiler and T.G. Manpower shortage.						
	PPA: Entered with Chhattisgarh State Power Trading Company Ltd. For 35% power in accordance with MOU with Govt. of Chhattisgarh. In case-1 bidding with UPPCL, TRN was in 2nd position.(L2) for 390 MW. PPA is with PTC on take or pay basis.						
	As per Letter dated 13.01.14 Signed back to back PPA with PTC for supply of 390 MW to UPPCL on 25.07.13 and 5% of net power i.e 30 MW to be signed with CSPTCo. Ltd.						
	Coal Linkage/FSA: Coal linkage has been granted by SECL vide their LOA dated on 03.07.09. FSA signed on 23.11.2013						
	Critical Areas						

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
7	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.
	Unit-1	685	09/13	10/13	10/14 (A)	02/15 (A)	
	Unit-2	685	01/14	02/14	10/15 (A)	03/16	
	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 11/15)	: RS. 94308 lakhs					
	Cumm. Exp. (11/15)	: Rs. 1084371 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							
No Coal Linkage and no PPA and no Power Evacuation Corridor to Northern Region and Southern Region. Talabira is the linked mine for unit-1 which is IN operational. Geneshpur coal mine has been allocated for Unit-2 which is expected to produce coal from April,18 till that time tapering coal linkage is required (2.5 years).							
For U-2 : CT will be ready by 01/16(31.01.16) and full load in 02/16.							
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.						
Unit-1 Boiler 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. 9. COD on 01.06.15							
TG 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							
Unit-2 Boiler 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 4. BLU completed on 27.03.15 5. SBO started on 02.07.15 6. SBO Completed on 13.07.15 7. Unit Synchronized with Oil on 14.10.15 8. Coal Firing is expected in 03/16 9. Full load is expected in 03/16							
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 01.02.15							
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: 01) Shell casting completed. 02) Partition wall for 1st & 2nd half completed. Chimney: Chimney shell casting 100% completed (270M level). flue can fabrication completed. 1 st Flue can erection completed on 05.12.13. Platform girder erection started on 08.12.12. 2 nd flue can erection started on 12.04.13..							

BROAD STATUS OF THERMAL POWER PROJECTS IN GUJARAT

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn.	Comm	Syn.	Comm		
	State Sector							
1	Pipavav CCPP, Ph-I, GSPC PIPAVAV Power Cop. Ltd. Distt: Amreli GPPCL		702					1. All required clearances are available. 2. Sea water intake and outfall system is ready (GPPC). 3. Switchyard back-charging completed on 22.10.11. 4. Power evacuation arrangement ready for 900MW from 07/12. 5. Blk-II GT erection progress was very slow due to poor support from BHEL-Hyderabad and less manpower of M/s Indwell. Poor quality of on base pipes had further delayed the erection work. 6. Work progress was slow on commissioning of RO-DM plant. Block-II: GT-2 turning gear operation achieved on 01.03.13. Cranking done on 3.3.13. FSNL achieved on 06.03.13. Synchronization achieved on 13.03.13. ST synchronization achieved on 26.03.13. Combined cycle commissioning achieved on 27 03.13 (Base load of 338MW). Block-I: 1. On 08.08.09, truck carrying GT-1 from Mudra port to Pipavav site fell into river due to collapse of 3 rd span slab of the bridge over Shetrunji river near Bhavnagar (about 100 km from site). BHEL have now supplied new GT in place of that GT. 2. GT-1: Supply of GT was received at site on 10.7.11. GT erection started in 09/11. The work on Blk-I was on hold due to supply of damaged compressor rotor of GT-1. Replacement of damaged stator vanes has now completed. Now GT has boxed up. GT FSNL achieved on 09.10.13. GT synchronized on 10.10.13. IBH header rectification work completed on 03.12.13. 3. HRSG-1: Erection started on 24.11.09. HT completed in 11/11. Re-hydro test completed on 15.8.13. ABO completed on 11/12.10.13. SBO started on 15.10.13 but stopped due to IBH header failure on 18.10.13. Now after rectification of IBH header SBO restarted on 10.12.13 and completed on 13.12.13. Normalization completed by end 12/13. 4. ST-I: Supply of HP-IP & LPT turbine received at site. Erection started on 22.10.11. ST box up already achieved. Oil flushing completed. TG is on Barring Gear. GRP pipeline rectification work started on 03.12.13 and its completion is expected by 15.01.14. Steam Dumping is expected on 20.01.14. ST synch. achieved on 01.02.14. Combined cycle commissioning achieved on 5.2.14. 5. There is no provision of by pass stack hence GTs can not run in open cycle.
	Block-I (GT=222 MW, ST=129MW)	351	07/10	09/10	10/13 (A)	02/14 (A)		
	Block-II (GT=222 MW, ST=129MW)	351	10/10	11/10	03/13 (A)	03/13 (A)		
	Date of TEC	: Not Required						
	Org.Est. cost	: Rs.235429 Lakhs						
	Latest cost	: Rs.302900 Lakhs						
	Exp. Upto 03/08	: Rs. 23214 Lakhs						
	Exp. During 08-09	: Rs. 8272 Lakhs						
	Exp. During 09-10	: Rs. 40247 Lakhs						
	Exp. During 10-11	: Rs. 55841 Lakhs						
	Exp. During 11-12	: Rs. 69524 Lakhs						
	Exp. During 12-13	: Rs. 30767 Lakhs						
	Exp. During 13-14 (Upto 02/15)	: Rs.23401 Lakhs						
	Total CumulativeExp. (Upto 02/15)	:Rs.251265 Lakhs						
	Financial closure	: 24/01/08						
	Type of fuel	: Natural Gas(base fuel)/LNG (3.2 mcmd gas from GSPC)						
	Source and supply of Fuel	: Gas supply agreement with M/s GSPC and Gas transportation agreement with M/s GSPL						
	Date of Main Plant Order	: LOA on 27 /12 /07 , BHEL (actual order in March 08)						
	Zero date of the project	: 29/03/08						
	Notice To Proceed(NTP)	:29.03.08						
	Power Evacuation	: 3 Double Ckt 220 kV line to be erected by GETCO: 1. Pipavav- Saverkundla line 2. Pipavav- Dhokabada line 3. Pipavav- Mahuva line						
	Critical Areas	Supply of pending DUs for GT-2 from BHEL Hyderabad and other BHEL units is critical. BHEL/BJCL is slow in execution of civil works.(less manpower) All the jobs of unit-1 on hold due to Gas Turbine rotor Damage since 12.02.12.FF system, ECP, RODM, CW&ACW DG set and Expansion bellows. Now the permanent rectification of GRP pipeline and completion of pending civil works is delaying the project.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
2.	UkaITPS Extn. Unit-6 GSECL, Dist : Tapi, Gujarat	500					1. MOE&F clearance obtained on 13.06.08 2. All clearances received. 3. Coal allocated from captive mines-Machhakata in Orissa. Boiler 1. Boiler erection started in 06.05.09. 2. Boiler Drum lifted on 31.12.2009 3. Hydraulic test completed on 14.10.10. 4. BLU completed on 07.03.12. 5. EDTA completed in 04/12. 6. SBO started in 06/12 and completed in 08/12. 7. Oil synchronization achieved on 01.10.12. 8. Coal synchronization achieved on 25.12.12. 9. Full load achieved on 5.3.13. 10. COD achieved on 08.06.13. TG 1. T.G deck casting completed. 2. TG Erection started on 12.07.11. 3. TG box up completed on 27.02.12 4. TG oil flushing completed in 07/12. 5. TG deck floating completed in 09/12. 6. TG put on BG on 21.09.12. .
	Unit-6	500	12/10	01/11	10/12 (A)	03/13 (A)	
	Date of TEC	: Not Required					
	Org.Est. cost	: Rs. 195000 Lacs					
	Latest cost	: Rs. 217950 Lacs					
	Exp. During 07-08	: Rs. 11750.00 Lacs					
	Exp. During 08-09	: Rs. 23484.36 Lacs					
	Exp. During 09-10	: Rs. 47076.96 Lacs					
	Exp. During 10-11	: Rs. 62383.64 Lacs					
	Exp. During 11-12	: Rs 40864.89 Lacs					
	Exp. During 12-13	: Rs 59375.60 Lakh					
	Exp. During 13-14	: Rs 45200.51 Lakh					
	Exp. During 14-15	: Rs 13953.13 Lakh					
	Total Expenditure (upto 12/15)	: Rs.304951.09Lakh					
	Financial Closure	: 21.09.07					
	Type of fuel	: Coal					
	Date of Main Plant Order	: 07.09.07 .on M/s BHEL (EPC)					
	Zero Date of the Project	: 06.10.07					
	Critical Areas	Completion of water system, RHS Milling system, AHP&CHP. There was delay in placement of order for BOPs such as PT,DM, AC,FO,C&I, switchgear, HT/LT, power Transformer, Fire Protection and Insulation etc. Compactness of site.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
3.	SikkaTPS Extn. Unit-3&4 GSECL, Dist: Jamnagar Gujarat	500					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 Karpara has been replaced by M/s Power Mech Engrs (Boiler) and M/s Alpha Power Engg.,Pvt Ltd.
	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 (A)	09/15 (A)	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 29.03.15. 14. COD achieved on 14.09.15.
	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. 24192.70 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 50235.80 Lakh					
	Exp. During 15-16 (upto 12/15)	: Rs 18661.72 Lakh					
	Total Exp.(upto 12/15)	: Rs.321820.67 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 reached back at site in 07/15. 10. Oil Synchronization achieved on 30.08.15. 11. Full load achieved on 25.09.15. 12. COD achieved on 27.12.15.					
		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.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
	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. - Mechanical Erection work in CHP area is held up since 28.05.15. by M/s Elecon. - Due to non-readiness of Bottom ash and Fly ash handling system of #4 , coal firing activity of #4 is getting delayed. Also slow civil work Progress in CHP & AHP areas by BHEL (ISG).				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
4.	Bhavnagar Lignite TPP,Unit-1&2 Bhavnagar Energy Company Limited(BECL), Dist: Bhavnagar, Gujarat	500					1. All required clearances are available. 2. M/s TCE appointed as consultant. 3. Zero date of the project is 18.02.10. 4. Order for all the BOP packages already placed and site mobilized. 5. They are having their own captive Lignite mines (Four Km from project site). 6. Lime is from 44 Km away lime mines. 7. DCS charged on26.02.15.
Unit-1	250	01/13	02/13	11/15 (A)	02/16	<u>Unit-1 Boiler</u>	
Unit-2	250	04/13	05/13	02/16	03/16		
Org.Est. cost		: Rs. 374208 Lakh					
Latest cost		: Rs. 422311 Lakh					
Exp. During 10-11		: Rs. 42533 Lakh					
Exp. During 11-12		: Rs. 75389Lakh					
Exp. During 12-13		: Rs 123720Lakh					
Exp. During 13-14		: Rs 75612 Lakh					
Exp. During 14-15		: Rs 44954 Lakh					
Exp. During 15-16 (upto 04/15)		: Rs - Lakh					
Total Exp.(upto 03/15)		: Rs.362215 Lakh					
Financial Closure		: Achieved					
Type of fuel		: Lignite (Captive Mines)					
Date of Main Plant Order		: 18.02.10 on M/s BHEL (BTG)					
Zero Date of the Project		: 18.02.10.					
<u>Unit-2 Boiler</u> 1.Boiler erection started on 12.05.12. 2.Boiler drum lifting completed on 13.10.12. 3.HT completed on 29.06.14. 4.Refractory dry out completed on 24.05.15. 5.BLU completed on 15.12.15. 6.EDTA started on 28.01.16 7.SBO started on 14.02.16 completion with normalization is expected in 03/16. 8.Synchronization (Oil) is expected in 03/16. 9.Synchronization (Lignite) is expected in 03/16. 10. Commissioning is expected in 03/16. <u>TG</u> 1. TG deck casting completed on 04.06.13. 2. TG erection started on 01.12.13. 3. TG Box completed on 26.12.14. 4. TG oil flushing completed in 11/15. 5. TG put on BG is expected 05.02.16.							
Critical Areas		Sequential availability of material for erection by BHEL. Manpower mobilization by Sub-contractor of BHEL					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
3.	Wanakbori TPS Extn. Unit-8 GSECL, Dist: Kheda Gujarat	800					1. All mandatory clearances are available. 2. PPA signed on 01.01.2011 with GUVNL. 3. Zero date of the project is 21.10.14. 4. BoPs orders are under tendering stage by BHEL. 5. Power evacuation system readiness is expected 6 months before COD. 6. Topographical & Soil investigation work is completed. 7. Order for Site grading work is placed by BHEL and work is started by Contractor. 8. Work contracts for Material management, Storage yard Development and construction power distribution are awarded by BHEL. 9. LOI for RCC Chimney placed on M/s Bygging India Ltd.on 11.06.15. 10. BHEL issued order for civil work to M/s BJCL for Boiler to Chimney area.
	Unit-8	800	07/18	10/18	07/18	10/18	
	Org.Est. cost	: Rs.353651 Lakh					
	Latest cost	: Rs 353651 Lakh					
	Exp. During 14-15	: Rs 12701 Lakh					
	Exp. During 15-16 (upto 12/15)	: 27540 Lakh					
	Total Exp.(upto 12/15)	: Rs. 40225 Lakh					Unit-8 Boiler
	Financial Closure	:.					1. Boiler civil works started in 07/15. 2. Boiler erection start is expected in 02/16.
	Type of fuel	: Coal					
	Date of Main Plant Order Boiler: Alstom TG: Siemens	: 21.10.14 .on M/s BHEL, EPC basis					TG
	Zero Date of the Project	: 21.10.14					1. TG civil works started in 07/15. 2. Condenser erection start is expected in 08/16.
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
	Private Sector						
1.	DGEN Mega Combined Cycle Power Project (M/s Torrent Energy Limited), Dahej SEZ, Bharuch	1200					1. All statutory clearances are available. 2. Zero date of the project is 02.07.10. 3. Order for all the BOPs has already been placed and progressing as per schedule. 4. Single shaft (or common shaft) configuration is being used in the project. F Class gas turbines (V94.3A) of high efficiency (more than 58%) will be used. 5. M/s Tata Consultant Engineers is appointed for engineering review, project monitoring and quality assurance for the project.
	Module-1	400	12/11	01/12	12/13 (A)	01/14 (A)	MODULE-I 1. The order for main plant civil & structural work has been awarded on Gammon India and M/s Simplex Infrastructure. 2. The order for GT, GTG, ST, STG along with condenser has placed on M/s Siemens AG ,Germany. 3. The order for HRSG has placed on M/s Doosan Korea. 4. Module-I achieved baseload on 12.01.14. MODULE-II 1. Piling work completed and foundations are under progress. 2. HRSG erection started in 06/11. All the three drums lifted. HARP module insertion is in progress. 3. ST & STG supply started. 4. ST erection start is expected shortly 5. Module-II achieved baseload on 23.04.14. MODULE-III 1. HRSG erection started in 09/11 and is in progress. 2. ST & STG supply is expected shortly. 3. ST erection is yet to start. 4. Module-III achieved base load on 09.03.14.
	Module-2	400	02/12	03/12	04/14 (A)	04/14 (A)	
	Module-3	400	04/12	06/12	03/14 (A)	03/14 (A)	
	Org.Est. cost		Rs.550000 Lakhs				
	Latest cost		Rs.574319 Lakhs				
	Exp.during 2010-11		Rs.98614Lakhs				
	Exp.during 2011-12		Rs.150397Lakhs				
	Exp.during 2012-13		Rs.161224Lakhs				
	Exp. During 13-14		Rs.58450 Lakhs				
	Exp. During 14-15 (Upto 09/14)		Rs.83073 Lakhs				
	Total Exp.(Upto 09/14)		Rs. 551758 Lakhs				
	Financial closure		Achieved on 21.05.11.				
	Type of fuel		: Natural Gas				
	FSA		: FSA yet to be signed.				
	Date of Main Plant Order (GT+ST+HRSG)		: 02.07.10 on M/s SIEMENS AG, Germany & SIEMENS India Ltd. Zero date of the project : 02.07.10				
	Power Evacuation System: The project implementing agency is also the distribution licensee for the entire Dahej SEZ. Excess power shall be evacuated through 400 kV and 220 kV networks. Application for grid connectivity has already been made to PGCIL						

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn	Comm	Syn	Comm	
2.	UNOSUGEN CCPP, (M/s Torrent Energy Limited), Kamrej, Surat	382.5					1. All statutory clearances are available. 2. Zero date of the project is 02.07.10. 3. Order for all the BOPs has already been placed and progressing as per schedule. 4. M/s Tata Consultant Engineers is appointed for engineering review, project monitoring and quality assurance for the project. 5. Gas pipeline connectivity : sufficient capacity available in existing 24” GSPL Spur line and ready to connect.
	Module-I	382.5	02/12	03/12	12/12 (A)	01/13 (A)	
	Org.Est. cost		Rs.183333 Lakhs				
	Latest cost		Rs. 183333Lakhs				
	Exp. During 2010-11		Rs. 35123 Lakhs				
	Exp. During 11-12		Rs. 25177 Lakhs				MODULE-I
	Exp. During 12-13		Rs. 45000 Lakhs				1.The order for main plant civil & structural work has been awarded on M/s Simplex Infrastructure.
	Exp. During 13-14		Rs. 55000 Lakhs				2. Single shaft (or common shaft) configuration (1GT+1ST+1HRSG +1Gen.) is being used in the project Class gas turbines (V94.3A) of high efficiency (more than 58%) will be used.
	Exp. During 14-15 (Upto 11/14)		Rs. 20000 Lakhs				3.Main Machine erection started in 08/11.
	Cumm. Exp up to 11/14		: Rs. 180300 Lakhs				4.400 kV GIS will be used for power evacuation.
	Financial closure		Achieved on				5.GTG commissioning in open cycle achieved on 03.12.12.
	Type of fuel		: Natural Gas				6. Combined cycle commissioning is achieved on 20.01.13.
	FSA		: FSA yet to be signed.				7. COD achieved on 04.04.13.
	Date of Power Train Order (GT+ST+Gen+ Cond)		: 02.07.10 on M/s SIEMENS AG, Germany & SIEMENS India Ltd.				
	HRSG:		: Doosan Heavy Engineering, South Korea.				
	Zero date of the project		: 02.07.10(NTP issued)				
Power Evacuation System:							

3.	Salaya TPP Ph-I. Unit-1&2 Essar Power, Gujarat	Capacity(M W)	Commissioning Schedule				
			Original		Actual(A) / As now Expected		
			Syn.	Comm.	Syn.	Comm.	
	Unit-2	600			03.04.12 (A)	13.06.12 (A)	
	Date of TEC		: Not Required				
	Org.Est. cost		: Rs. 482000 Lacs (including U-1)				
	Latest cost		: Rs. 482000 Lacs (Including U-1)				
	Exp. During 07-08						
	Exp. During 08-09						
	Exp. During 09-10						
	Exp. During 10-11						
	Exp. During 11-12						
	Total Expenditure(upto 04/12)		396486				
	Financial Closure		: 09/09.				
	Type of fuel		: Coal				
	Date of Main Plant Order		: 21.11.2007.on M/s Harbin Power				
	Zero Date of the Project		: 09/09.				
	Critical Areas						

1.MOE&F clearance obtained on 17.07.09.

2. BTG:-Harbin Power Equipment.

3. Coal Linkage:-Imported coal from Indonesia/Mozambique.

Unit-II

16. HT completed on 13.09.11.

17. BLU completed on 26.02.12.

18. TG box up completed on 20.02.12.

19. Synchronised on 03.04.12.

20. Full load achieved on 13.06.12

21. Achieved COD on 15.06.12.

- 1.MOE&F clearance obtained on 17.07.09.
2. BTG:-Harbin Power Equipment.
3. Coal Linkage:-Imported coal from Indonesia/Mozambique.
- Unit-II**
16. HT completed on 13.09.11.
17. BLU completed on 26.02.12.
18. TG box up completed on 20.02.12.
19. Synchronised on 03.04.12.
- 20. Full load achieved on 13.06.12**
- 21. Achieved COD on 15.06.12.**

BROAD STATUS OF THERMAL POWER PROJECTS IN MADHYA PRADESH

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
	STATE SECTOR						
1.	SatpuraTPS Extn.(Sarni) (Dist. Betul) MPPGCL	500					Unit-10 - Boiler erection started on 08.04.10. - Drum lifted in 12/10. - Hyd test completed on 04.11.11. - BLU completed on 10.10.12. - SBO completed on 04.01.13. - TG deck casting completed on 30.4.11. - Condenser erection started in 7/11. - TG erection started in 12/11. - TG box up completed in 10/12. - TG oil flushing completed on 13.01.13. - TG on barring gear achieved on 30.01.13. - Synchronised on 22.02.13. - Coal bunkering started on 22.02.13. - Full load achieved on 22.03.13. - COD achieved on 18.08.13. Unit-11 - Boiler erection started on 1/ 07/10. - Drum lifted in 2/11. - Hyd test completed on 30.04.12. - Non drainable HT on 19.06.13. - BLU done on 30.06.13. - SBO completed on 29.08.13. - Condenser erection started on 18.08.12. - TG erection started on 11/12. - TG boxed up in 05/13. - TG oil flushing completed in 08/13. - TG on barring gear achieved on 08.09.13. - Syn on 02.10.13. - Full load achieved on 25.12.13. COD achieved on 16.03.14.
	Unit-10	250	02/12	03/12	03/13(A)	08/13(A)	
	Unit-11	250	04/12	05/12	12/13(A)	03/14(A)	
	State Govt. approval	: Accorded on 29.06.06					
	Org Est. approved cost	: Rs. 235000 Lakhs					
	Latest Cost	: Rs.351400 Lakhs					
	Up to 03/2007	: Rs. 09 Lakhs					
	Exp.2007-08	: Rs. 15117 Lakhs					
	Exp. 2008-09	: Rs. 96 Lakhs					
	Exp. 2009-10	: Rs 10584 Lakhs					
	Exp. 2010-11	: Rs 57040 Lakhs					
	Exp. 2011-12	: Rs 83416 Lakhs					
	Exp. 2012-13	: Rs 79436Lakhs					
	Exp. 2013-14	: Rs 59816 Lakhs					
	Exp. 2014-15(up to 10/14)	: Rs 6612 Lakhs					
	Cumulative Exp Till(10/14).	: Rs 311621 lakhs					
	Zero Date	:27.02.09					
	Financial Closure	: 20% GoMP and 89% PFC					
	Type of fuel	: COAL(Linkage awaited) By WCL for 1.85 mtpa.					
	MOEF clearance	: 27.02.09 obtained.					
	SPCB Clearance	: Obtained on 06.09.11 from MPPCB.					
	Land	: Land available.					
	Main plant civil work agency	: M/s Sunil Hitech.					
	EPC for BOP	: M/s McNally Bharat.					
	PPA	: With MPtradco on 04.01.11					
	Evacuation System	: 400 kv Sarni-Ashtha Lines					
	Fuel	: FSA signed on 02.01.13 with WCL for 1.8513 MTPA					
	PPA	: Signed with MP Tradeco on 04.01.2011.					
	Date of Main Plant Order	: LOA placed on 31.03.08 on M/s BHEL (BTG)					
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
2.	Shree Singaji TPP -I (Malwa TPP) Mega Project (At Purni, Distt. Khandwa) MPPGCL	1200					Unit-1 - Boiler erection started in 09/10. - Drum lifted on 8.03.11. - HT (drainable) conducted on 25.4.12. - BLU done in 05/13. - EDTA completed in 05/13. - SBO completed on 09.07.13. - Condenser erection started in 02/12. - TG erection started in 3/12. - TG box up completed in 05/13. - TG oil flushing completed in 06/13. - TG on barring gear achieved on 09.07.13. - Synchronised (oil) on 31.08.13. - Coal fired on 30.09.13. - Full load achieved on 18.11.13. COD achieved on 01.02.14. Unit-2 - Boiler Erection started in 12/10. - Drum lifted in 09/11. - HT completed on 30.11.12. - BLU done in 12/13. - SBO started on 04.03.14. - First stage SBO completed on 14.03.14. - SBO completed in 07/14. - Condenser erection started on 28.09.12. - TG erection started on 31.12.12. - TG Boxed up in 09/14. - Oil flushing of piping started in 03/14. - Oil Flushing completed in 10/14. - Oil Syn and Coal Syn on 11.10.14. - Full load achieved on 15.10.14. COD achieved on 28.12.14.
Unit-1	600	06/12	06/12	11/13(A)	02/14(A)		
Unit-2	600	10/12	10/12	10/14(A)	12/14(A)		
State Govt. approval	: Accorded						
Org Est. approved cost	: Rs.405300 lakhs						
Latest Cost	: Rs.782000 lakhs						
Exp. upto 03/07	: Rs 2405 lakhs						
Exp.2007-08	: Rs 1708 lakhs						
Exp. 2008-09	: Rs 17171 lakhs						
Exp. 2009-10	: Rs 49245 lakhs						
Exp. 2010-11	: Rs.113365 lakhs						
Exp. 2011-12	: Rs 177382 lakhs						
Exp. 2012-13	: Rs 148239 lakhs						
Exp. 2013-14	: Rs 146275 lakhs						
Exp. 2014-15 (11/14)	: Rs 51158 lakhs						
Cumulative Exp (Till 11/14)	: Rs.706951 lakhs						
Type of fuel	: COAL						
FSA	: Signed on 24.01.13.						
Land	: Available.						
BOP on EPC basis	: M/s L&T on 26.10.09.						
PPA	: With MPPMCL						
Mega Power Status	: Obtained.						
Zero Date	: 12.12.08						
Date of Main Plant Order	: Order placed on M/s BHEL for main power block with civil work on 12.12.08.						
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
	Private Sector						
1.	Bina TPP (Dist. Sagar) Bina Power Supply Co. Ltd.	500					Unit-1 - Boiler erection started in 07/09. - Boiler drum lifted on 24.03.10. - HT done in 2/11. - Boiler lighted up in 2/12. - TG erection started in 10/10. - TG box up completed in 7/11. - Unit synchronized on 27.06.12 with oil. - Coal firing done in July, 2012. - Syn.(coal) Achieved on 01.08.12. FL achieved on 12.08.12. Unit-2 - Boiler erection started in 11/10. - Boiler drum lifted in 06/10. - Hyd test done in July,12. - BLU on 09.11.12. - EDTA completed on 26.11.12. - SBO completion on 16.01.13. - Condenser erection started in 5/11. - TG erection started in 6/11. - TG box up completed on 15.09.12. - TG oil flushing comp. on 05.12.12. - TG barring gear achieved in 02/13. - Syn. On 04.03.13. - FL achieved in 03/13.
	Unit-1	250	08/11	09/11	8/12(A)	8/12(A)	
	Unit-2	250	11/11	12/11	3/13(A)	4/13(A)	
	State Govt. approval	: -					
	Org Est. approved cost	: Rs. 275000 Lakhs					
	Latest Cost	: Rs. 324000 Lakhs					
	Exp. 2008-09	: Rs 22181 Lakhs					
	Exp. 2009-10	: Rs 50451 Lakhs					
	Exp. 2010-11	: Rs 122470 Lakhs					
	Exp. 2011-12	: Rs 82667 Lakhs					
	Exp. 2012-13	: Rs 58835 Lakhs					
	Exp. 2013-14	: Rs 12502 Lakhs					
	Cumulative Exp Till 03/14	: Rs. 349106 Lakhs					
	Zero Date	09/2009					
	Environment Clearance	05.08.09					
	Main Plant civil work agency	M/s Jaiprakash Associates Limited.					
	Power Evacuation	Open access approval received.					
	Financial Closure	Nov-09 for initial project cost.					
	Coal Linkage	LOA received, FSA with CCL signed. FSA with SECL in progress.					
	PPA	Finalised and Signed.					
	Date of Main Plant Order	: LOI placed on M/s BHEL on 20.09.08 (BTG).					
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)		Commissioning Schedule				Broad Status
				Original		Actual(A) / As now Expected		
				Comm	COD	Comm	COD	
2.	Mahan TPP (Dist. Singrauli) Essar Power MP Ltd.	1200						- CHP and AHP readiness is expected by 02/16. - CT completion expected in 01/16. - Delays primarily due to financial constraint with the developer.
	Unit-1	600	06/11	06/11	02/13(A)	04/13 (A)		Unit-1 - Boiler erection started in 09/09. - Boiler drum lifted on 21.06.10. - HT done in 08/11. - BLU done in 31.3.12. - SBO completion on 21.08.12. - TG erection started in 11/10. - TG box up completed on 24.09.12. - TG oil flushing completed in 11/12. - TG on barring gear on 07.12.12. - Synchronised on 24.12.12. Full load achieved on 25.02.13. COD achieved on 29.04.13. Unit-2 - Boiler erection started in 06/10. - Boiler drum lifted in 01/11. - HT done in 02/12. - Clearance from Financial Institutions on 15.01.16. - BLU expected in 02/16. - SBO start expected on 10.03.16. - Condenser erection started in 03/11. - TG erection started in 03/11. - TG Box up expected on 28.02.16. - TG oil flushing in progress & its completion is expected in 02/16. - Syn. expected on 20.03.16. - Coal firing is expected on 25.03.16. - Full Load is expected 31.03.16.
	Unit-2	600	09/11	09/11	03/16	03/16		
	State Govt. approval	: -						
	Org Est. approved cost	: Rs. 773800 Lakhs						
	Latest Cost	: Rs. 773800 Lakhs						
	Exp. 2006-07	: Rs 155 Lakhs						
	Exp. 2007-08	: Rs 36609 Lakhs						
	Exp. 2008-09	: Rs 38200 Lakhs						
	Exp. 2009-10	: Rs 114755 Lakhs						
	Exp. 2010-11	: Rs 335743 Lakhs						
	Exp. 2011-12	: Rs 12807 Lakhs						
	Exp. 2012-13	: Rs 92434 Lakhs						
	Exp. 2013-14	: Rs 8953 Lakhs						
	Exp. 2014-15	: Rs 119169 Lakhs						
	Exp. 2015-16 (upto 12/15)	: Rs 43420 Lakhs						
	Cumulative Exp (Upto 12/15)	: Rs 784389Lakhs						
	Financial Closure	: 21.01.2009						
	MOEF clearance	: 20.4.07.						
	PPA Signed	: Long Term PPA with ESIL for 200 MW and 55.5 MW with Govt. of MP (on variable charge basis). For tie up of balance capacity of 855 MW, company is participating in various competitive bids/merchant power.						
	Water	: 0.058 MAF/year from Rihand Reservoir.						
	SPCB	: Obtained on 03.03.09.						
	Civil Aviation Clearance	: Obtained on 02.02.2007.						
	land	:Physical possession of 185.81 Ha. Govt. Land is available.167.32 Ha. Pvt. Land in Viil. Bandhora, 150.31 in Nagwa Vill. 79.08 Ha in Kharahi. For 4 th viilage Karsualal(100.17 Ha.) compensation distribution is in progress.						
	Fuel	: Mahan Coal Block allotted jointly to ESSAR and Hindalco had been cancelled on 24.09.14. Essar has signed CMPDA with GOI on 2-3-2015 for Tokisud Coal Mine located in the State of Jharkhand post e-auction. Vesting order is awaited. As per present mining plan, peak capacity of production of the mine is 2.32 MTPA.						
	Power evacuation	:1 st unit commissioned by LILO (Temp arrangement). Long term open access granted by PGCIL through Mahan-Sipat line.						
	Date of Main Plant Order	BTG order placed on M/s Harbin Power Co. Ltd, China on 24.08.07.						
	Critical Area	In lieu of cancellation of captive coal block, Coal linkage (5.5 MTPA) or any other coal sourcing is essential to run the plant. Return of expenditure incurred on Mahan Coal Block.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
3.	Nigrie STPP (Dist. Singrauli) J.P.Power Venture Ltd.	1320					Unit-1 - Boiler erection started in 01/11. - Girder erection has been erected and HT (drainable) achieved on 06.02.13. - BLU done on 18.02.14. - SBO started in 03/14. - SBO completed on 03.04.14. - Condenser erection started in 04/12. - TG erection started in 07/12. - TG box up completed in 07/13. - Synchronised on 07.05.14. - CF done in 08/14. - FL achieved on 29.08.14. Unit-2 - Boiler civil works start in 05/10. - HT completed on 08.10.13. - BLU done on 10.11.14. - TG oil flushing started in 07.14. - SBO started in 11/14 and completed in 01/15. - Syn on 11.02.15. - Full Load achieved on 17.02.15.
	Unit-1	660	06/13	07/13	08/14(A)		
	Unit-2	660	12/13	01/14	02/15(A)	02/15	
	State Govt. approval	: -					
	Org Est. approved cost	: Rs. 810000Lakhs					
	Latest Cost	: Rs. 810000 Lakhs					
	Exp. 2009-10	: Rs 82501 Lakhs					
	Exp. 2010-11	: Rs 39058.71 Lakhs					
	Exp. 2011-12	: Rs 294575.37 Lakhs					
	Exp. 2012-13	: Rs 358872.58 Lakhs					
	Exp. 2013-14	: Rs 213142.67 Lakhs					
	Exp. 2014-15(Till 12/14)	: Rs 44310.72 Lakhs					
	Cumulative Exp (Up to 12/14)	: Rs 1032462 Lakhs					
	Financial closure	: Achieved in 08/2010					
	Land	: 432.308 Ha under possession.					
	Water	: 65.3 Cusec from Gopad river					
	Coal	:5.7 MTPA from Amelia North and Dongri Tal-II coal block developed by JAL and MPSMCL					
	MOEF clearance	: Obtained in Feb.10					
	PPA	:					
	Date of Main Plant Order	M/s L&T on 23.08.09 (BTG).Boiler-LMB					
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
4.	Avantha Seoni TPP (Dist. Seoni) Jhabua Power Ltd.	600					• All the clearances are available. • 400kV switchyard commissioned. • 400kV double Circuit Transmission line is operational. • In CHP & AHP erection completed .Commissioning of equipments is in progress. • Cooling Tower and WTP is operational.
	Unit-1	600	03/13	03/13	03/16	03/16	Unit-1 • Boiler erection started in 4/11. • Drum lifted on 17/1/12. • Hyd. Test done on 22.12.12. • Hyd. Test (Non drainable) done in 06/13. • BLU done on 12.03.14. • SBO started on 10.06.15 and completed on 27.06.15. • Unit normalisation completed. • TG erection started in 11/11. • TG boxed up in 12/13. • TG oil flushing completed in 05/15. • TG put on BG in 06/15. • Boiler re-lighted up for steam dumping in 02/16. • Syn. Expected in 02/16. • Full load is expected in 03/16.
	Org Est. approved cost	: Rs. 35500Lakhs					
	Latest Cost	: Rs. 419400 Lakhs					
	Exp. 2008-09	: Rs. 1000 lakhs					
	Exp. 2009-10	: Rs. 14700 Lakhs					
	Exp. 2010-11	: Rs. 22700 Lakhs					
	Exp. 2011-12	: Rs. 66800 Lakhs					
	Exp. 2012-13	: Rs. 121500 Lakhs					
	Exp. 2013-14	: Rs. 67700 Lakhs					
	Exp. 2014-15(01/15)	: Rs. 82919 Lakhs					
	Cumulative Exp Till 01/15	: Rs. 377319 Lakhs					
	Financial closure	Achieved in 12/2009.					
	SPCB clearance	Obtained in Dec-10.					
	Civil Aviation Clearance	Obtained in Sep-10.					
	MOEF clearance	Obtained in Feb-10. Forest Clearance not applicable.					
	Coal Linkage	FSA signing executed with SECL/MCL. FSA Signed with MCL for 35% quantity.					
	PPA	: 5% to govt of MP.30% to be provided to MPPTCL and 35% tied up with M/s Reliance Energy Trading company Limited.					
	Power Evacuation System	: Application for availing connectivity with PGCIL network submitted. Order placed for 400 kV transmission line from JPL to pooling point. Prior approval of MoP under section-68 for dedicated transmission line obtained. Sec6tion 164 received.					
	Land	811 Acres (100% land aquired)					
	Date of Main Plant Order	BHEL on 02/10 (BTG).					
		Critical Areas	BHEL support is solicited in terms of completion of balance supply & erection for achieving the scheduled dates.				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
5.	Anuppur TPP Phase-I Jaithari Dist. Anuppur M.B.Power (MP) Ltd.	1200					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. • COD achieved on 20.05.15. Unit-2 • Blr erection started in 02/12. • Blr. Drum lifted on 29.06.13. • HT done in 31.03.14. • Non-drainable HT done on 10.03.15. • BLU achieved on 20.10.15. • SBO completed on 28.11.15. • Unit is under normalisation. • TG erection started in 12/13. • Final box up completed on 17.10.15. • TG put on BG in 01/16. • Oil synchronisation is expected in 02/16. • CHP readiness is expected in 02/16. Track Hopper & Stacker cum Reclaimer are operational. • Wet ash system is expected to be ready by 02/16.
Unit-1	600	04/13	5/13	04/15(A)	05/15(A)		
Unit-2	600	08/13	9/13	03/16	03/16		
State Govt. approval	: -						
Org Est. approved cost	: Rs. 624000Lakhs						
Latest Cost	: Rs. 624000 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	:Rs. 230100 Lakhs						
Exp. 2015-16 (11/15)	:Rs17085Lakhs						
Cumulative Exp (Till 11/15)	: Rs. 758000 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 is kept in zone of consideration.						
Date of Main Plant Order BTG make: Harbin China	EPC contract awarded to M/s Lanco Infratech Ltd on 15.11.10						
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
6.	Gorgi TPP (Dist. Singrauli) DB Power (MP) Ltd.	660					- All the mandatory clearances are available for two units. - The major part of total land acquired by the company in time but delay in granting government land which is significant stretches had affected the contiguity and due to which construction could not commence at desired time. - PPA has been signed with MP Power Management Company (State Utility) for 35% capacity from both the 2x660 MW.
	Unit-1	660	06/13	07/13	08/17	09/17	Unit-1 - The site enabling activities like area grading etc has already completed. - Construction of administrative building and hostel facility also completed. - Excavation work in water reservoir area and chimney also started. - Erection yet to be started.
	State Govt. approval	: -					
	Org Est. approved cost	: Rs.394100 Lakhs					
	Latest Cost	: Rs.394100 Lakhs					
	Exp. 2008-09	: Rs. 349 Lakhs					
	Exp. 2009-10	: Rs. 2303 Lakhs					
	Exp. 2010-11	: Rs. 13487 Lakhs					
	Exp. 2011-12	: Rs. 21157 Lakhs					
	Exp. 2012-13	: Rs. 4036 Lakhs					
	Exp. 2013-14	: Rs. 4712Lakhs					
	Exp. 2014-15	: Rs. 1614 Lakhs					
	Exp. 2015-16 (upto 09/15)	: Rs. 78 Lakhs					
	Cumulative Exp Till (09/15)	: Rs 47579 lakhs					
	Financial closure	Achieved in 03/2011 for unit-1					
	Consultant	Desein					
	Date of Main Plant Order	BHEL on 03/11 (BTG).					
	BOP order	Indure Pvt. Limited.					
	MOEF clearance	Obtained in Sept.10 for 1 st unit.					
	PPA	35% with MPPMC from 2x660 MW					
	Power Evacuation System	PGCIL has granted LTA and connectivity. Power evacuation at vindhyachal pooling station.					
	Coal linkage	2.1048 MTPA available for unit-1.					
	Land	735 acre land is acquired.					
	Water	25 MCM PA water from Gopad river for 2x660 MW.					
	Critical Areas	Acquisition of balance land.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
7.	Niwari TPP (Dist. Narsinghpur) BLA Power Ltd.	45					Unit-1 - Boiler erection started in 01/13. - Drum lifted in 08/13. - Hydro test expected by 12/15. - TG deck casted in 09/13. - TG erection to be started by 12/15. - Presently work at site is on hold. * Assessed after restart of work.
	Unit-2	45	05/14	05/14	12/15*	12/15	
	State Govt. approval	: -					
	Org Est. approved cost	: Rs.23249 Lakhs					
	Latest Cost	: Rs.25049 Lakhs					
	Exp. 2010-11	: Rs. 5100 Lakhs					
	Exp. 2011-12	: Rs. 16880 Lakhs					
	Exp. 2012-13	: Rs. 5164 Lakhs					
	Exp. 2013-14	: Rs. 354 Lakhs					
	Exp. 2014-15	: Rs. 1503 Lakhs					
	Cumulative Exp Till 03/15	: Rs. 29001 lakhs					
	Financial closure	Achieved.					
	Date of Main Plant Order	Boiler(ISGEC) in 02/11.Turbine and Generator (Siemens) in 04/11.					
	MOEF clearance	Obtained on 07.11.07.					
	PPA	30% with MPPTCL and 5%with MP government on variable cost.					
	Power Evacuation System	PGCIL has granted LTA and connectivity. Power evacuation at vindhyachal pooling station.					
	Coal linkage	FSA signed with BLA industries Ltd. on 25.04.11 for 350000 tonnes per annum.Ammendment to fuel supply agreement signed with BLA industries on 26.03.13 for the following quantities— U-1x45 MW=187000 tonnes/annum, U-2x45 MW=374000 tonnes/Annum.					
	Land	129.15 Acres of land is acquired for 3x45 MW.					
	Water	7 MCM PA water from Narmada river for 140 MW.					
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
3.	Shri Singaji TPP –II (At Dongalia Distt. Khandwa) Shree Singaji Power project Ltd (SPV) MPPGCL	1320					1. Design and Engineering works under progress. 2. Excavation/PCC/RCC works in Chimney area, NDCT area, CHP/AHP areas and CW area are in progress. 3. Supply of Boiler structure is in progress.
	Unit-1	660	06/18	07/18	06/18	07/18	Unit-3: 1. Excavation/PCC/RCC works completed in Boiler, ESP, Mills & Bunker Bay. 2. Excavation/PCC/RCC works in PH building (including TG) CW pit, CEP pit & STG foundation is in progress. 3. Boiler erection started on 18.06.15 4. ESP erection started on 06.07.15. 5. Fabrication of Ceiling Girder is in progress. 6. Coal bunker fabrication is in progress. 7. Duct fabrication is in progress. Unit-4: 1. Excavation/PCC/RCC works under progress in Boiler, Mills & ESP area. 2. Excavation/PCC/RCC works in PH building (including TG), NDCT Area, CHP/AHP Areas ad CW area is in progress. 3. Erection of slip form assembly for Chimney is in progress.
	Unit-2	660	10/18	11/18	10/18	11/18	
	Org Est. approved cost	: Rs.650000 lakhs					
	Latest Cost	: Rs.650000 lakhs					
	Exp. 2013-14	: Rs 252.00 lakhs					
	Exp. 2014-15	: Rs 46406 lakhs					
	Exp. 2015-16 (12/15)	: Rs 25581.19 lakhs					
	Cumulative Exp (Till 12/15)	: Rs. 72239.19 lakhs					
	Type of fuel	: Coal.					
	Fuel Linkage	: Gondbahera-Ujjaini coal block having 532 MT reserve to MPPGCL on 07.06.13.					
	Land	: Available.					
	Financial Closure	: Achieved in 03/15					
	PPA	: With MPTradco (now known as MPPMC) on 04.01.2011.					
	Mega Power Status	: Obtained on 05.07.12					
	MoEF	: Received on 27.08.14.					
	Date of Main Plant Order	:M/s L&T on 31.12.14. on EPC basis					
	Project Consultant	M/s Lahmeyer International (I) Ltd, Gurgaon					
	Critical Areas	First stage Forestry clearance of Gonbahera Coal Block by MoE&F Power evacuation is yet to be completed by MPPTCL					

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 Extn (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. 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. 14. COD is expected in 03/16. 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 completed on 22.08.15. 5. CW and ACW completed in 11/15. 6. SBO started on 13.12.15 and completed on 26.12.15. 7. Unit normalization also completed. 8. Oil synch. is expected in 02/16. 9. Coal firing is expected in 03/16. 10. Full load is expected in 03/16. TG 1. Condenser erection started on 17.10.13. 2. TG erection started on 17.10.13. 3. TG box up completed on 18.08.15. 4. TG oil flushing completion is expected in 11/15. 5. TG put on BG in 01/16. 6. Deck floating is expected by 02/16..
	Uni-8	500	04/12	06/12	01/15 (A)	03/15 (A)	
	Uni-9	500	07/12	09/12	02/16	03/16	
	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 (upto 12/15)	Rs: 55108 Lakhs					
	Total Exp. (Upto -12/15)	: Rs 649808 Lakhs					
	Type of fuel	:Coal					
	Fuel Linkage	: From Machhakata captive coal mines Orissa.					
	Financial closure						
	Date of Main Plant Order	: M/S BHEL on 25.07.08 (BTG + C&I, Electrical &Aux.Equip.)					
	Power Evacuation System: Existing 400kV/220 kV Chandrapur-II s/s along with switching station.						
	Critical Areas	Delay in finalization of BOP agency. Delay in readiness of BoPs by M/s BGR.Delay in readiness of CHP by BGR. Readiness of Bunkers and Feeders. Delay in readiness of ACW & CW piping.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
2.	Koradi TPS , (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. 10. COD achieved on 16.12.15.
	Uni-9	660	03/14	06/14	01/16 (A)	03/16	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	03/16	04/16	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 started on 09.12.15 and completed on 04.01.16. 5. Oil synch. achieved on 21.01.16. 6. Coal firing is expected in 02/16. 7. Full load is expected in 03/16.
	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. Chemical cleaning completed on 03.10.15. 4. BLU is expected in 02/16 5. SBO completion is expected in 04/16. 6. Oil synch. is expected in 05/16. 7. Coal firing is expected in 05/16. 8. Full load is expected in 06/16.
	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 completed on 19.05.15. 5. TG oil flushing is in progress and its completion is expected in 02/16. TG on BG is expected in 03/16.
	Latest Proj.cost		: Rs. 1323210 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 11/15)		:Rs 119342.79 Lakhs				
	Cumulative Exp.(Upto 11/15)		: Rs 1302576.00Lakhs				
	Type of fuel		:Coal (11MMTPA or 24931.5 MT/Day)				
	Fuel Linkage		: Machhakata & Mahanadi coal Block in Odisha (Gare Palma Sector-II, Chhattisgarh)				
	Financial closure		: Not Achieved				
	Date of Main Plant Order(LOA)		: M/S L&T on 23.09.09 (BTG)				
	Mega Power Project Status:		Granted on 16.12.09 by MoP, GOI				
	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/Rev L1		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.
	Uni-8	250	<u>11/11</u> 07/13	<u>01/12</u> 08/13	02/16	03/16	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.
	Date of TEC		: Not Required				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. Boiler HT (Non-Drainable) completed on 22.05.15. 6. BLU completed on 22.05.15. 7. EDTA completed on 06.09.15. 8. SBO started on 17.12.15. and completed on 04.01.16 9. Oil synch. is expected in 02/16. 10.Coal firing is expected in 02/16. 11.Full load is expected in 03/16. 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 started on 16.05.15 and completed on 04.09.15. 6. TG on BG is expected on 20.01.16.
	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 15-16 (Upto 12/15)		:Rs 27179 Lakhs				
	Cumulative Exp. (Upto 12/15)		: Rs 194164 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. Severe water shortage in the region. Commissioning will depend on water availability.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
	Private Sector						
1.	Tirora TPP ,Ph-I (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	1320					Unit-1 Unit resynchronized on 02.09.12. Full load achieved on 11.09.12.COD achieved on 23.09.12 Unit-2 Coal synchronization achieved on 30. 01.13. Full load achieved on 25. 03.13. COD achieved on 25.03.13.
	Unit-1	660	03/11	04/11)	08/12 (A)	09/12 (A)	
	Unit-2	660	06/11	07/11	01/13 (A)	03/13 (A)	
	Date of TEC		: Not Required				
	Date of Approval by State Govt.		: N.A.				
	Org.Est. cost		: Rs.656000 lakhs				
	Latest Cost		:Rs. 730900 lakhs				
	Exp. upto 03/09		: Rs. 31835 lakhs				
	Exp. During 09-10		: Rs. 53304 Lakhs				
	Exp. During 10-11		: Rs. 365061 Lakhs				
	Exp. During 11-12		: Rs. 221400Lakhs				
	Exp. During 12-13		: Rs. 78400Lakhs				
	Total Exp.(upto 06/13)		:Rs. 750000Lakhs				
	Financial Closure		: Achieved on 20.08.09				
	Type of fuel		:Coal				
	Fuel Linkage		:Imported Coal (very low Sulphur & Ash content)				
	Date of Main Plant Order (Boiler-Babcock, China) (TG-BSTG,China)		BTG Contract awarded to SCMEC China on 28.02.08				
	Zero date of the project		: 28.02.08				
	Power Evacuation System: yet to start						
		Critical Areas	Accordance of Mega Status. Power evacuation system. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited.400 KV Transmission line Forest Clearance awaited for 15 Nos. foundations. Presently matter is pending at MOEF, Delhi and expected to be completed by end of April, 12 (Matter resolved now). Unit-1 is ready for Synchronization. ATS readiness is achieved on 25.08.12. Line successfully charged on 25.08.12.				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
2.	Tirora TPP ,Ph-II (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	660					<u>Unit-1</u> Unit synchronization achieved on 24.05.13.Coal synch. achieved on 25.05.13. Full load achieved on 10.06.13.COD achieved on 14.06.13.
	Unit-1	660	09/11	10/11	05/13 (A)	06/13 (A)	
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.899300 Lakhs (Three units)					
	Latest Cost	:Rs.963500 lakhs (Three units)					
	Exp. upto 03/10	: Rs. 26822 Lakhs					
	Exp. During 10-11	: Rs. 96342Lakhs					
	Exp. During 11-12	: Rs. 358400Lakhs					
	Exp. During 12-13	: Rs. 195200Lakhs					
	Exp. During 13-14	: Rs 258600Lakhs					
	Exp. During 14-15 (Upto 06/14)	: Rs 27800Lakhs					
	Total Exp.(upto 06/14)	:Rs 963164Lakhs (Three Units)					
	Financial Closure	: Achieved on 18.09.09					
	Type of fuel	:Coal					
	Fuel Linkage	Imported Coal (very low Sulphur & Ash content)					
	Date of Main Plant Order (Boiler-Babcock, China) (TG-BSTG,China)	BTG Contract awarded to SCMEC China on 28.02.08					
	Zero date of the project	: 28.02.08					
	Power Evacuation System: Tirora- Warora 400kV D/C line : Warora- Wardha 400 kV D/C Line						
	Critical Areas	Adani is the owner of these lines and is expected to keep the commissioning of line matched with station though there is a forest clearance issue for 15 locations. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
3.	Tirora TPP ,Ph-II (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	1320					1. All clearances are available. 2. Zero date of the project is 05.11.09. 3. Design & Engineering is in progress. 4. The order for all the BOPs have been placed and progressing as per schedule. BOPs are common for both the units.
	Unit-2	660	05/12	07/12)	03/14 (A)	03/14 (A)	Unit-2 Boiler
	Unit-3	660	08/12	10/12	09/14(A)	09/14 (A)	1. Boiler erection started on 06.12.10. 2. Boiler HT completed on 25. 09.12. 3. BLU completed on 31.12.13. 4. SBO started on 22.01.14. 5. SBO completion is expected on 25.01.14. 6. 765 kV line readiness is expected on 25.01.14. 7. CHP is ready in all respect. 8. Synchronization achieved on 13.03.14. 9. Full load achieved on 23/03/14. 10.COD achieved on 31.03.14.
	Date of Letter of support from State Govt.	: 17.02.10					
	Org.Est. cost	: Rs.899300 Lakhs (Three units)					
	Latest .Est. cost	:Rs.963500 lakhs (Three units)					
	Exp. during 09-10	: Rs. 26822 Lakhs					
	Exp. during 10-11	: Rs. 96342Lakhs					
	Exp. during 11-12	: Rs. 358400Lakhs					
	Exp. During 12-13	: Rs. 195200Lakhs					
	Exp. During 13-14	: Rs 258600Lakhs					
	Exp. During 14-15 (Up to 06/14)	: Rs 27800Lakhs					
	Total Exp. (Upto 06/14)	:Rs. 963164 Lakh (Three units)					
	Financial Closure	: Achieved on 20.08.09					
	Type of fuel	:Coal					
	Fuel Linkage	: Coal linkage awaited					
	Date of Main Plant Order (BTG is being sourced from SEC China)	EPC Contract awarded to SCMEC China on 05.11.09					
	Zero date of the project	: 05.11.09					
	Power Evacuation System: The power will be evacuated through 400kV Double Circuit line with quad conductor from Tirora to Warora and 765kV transmission system from Tirora to Koradi to Akola to Aurangabad. The construction of 400kV Double Circuit line is in full swing.						
	Critical Areas	Coal Allocation/ Long Term Coal Linkage for Unit#2 & Unit#3 is awaited from MoC.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
4.	Bela Thermal Power Project (Distt. Nagpur) M/s Ideal Energy Projects Limited (IEPL)	270					1. All required clearances are available. 2. Zero date of the project is 06.12.08. 3. Order for all the BOPs have been placed on 29.07.09 on M/s McNally Bharat Engg. Co.Ltd. Kolkata (MBE) on EPC basis. 4. FSA with SECL signed.
	Unit - 1	270	10/11	12/11	03/13 (A)	03/13 (A)	5. BHEL have opened site office on 16.08.09. 6. M/s MBE have mobilized site on 22.09.09.
	Date of Approval by State Govt.	: N.A.					Unit-1
	Original Est. cost.	: Rs- 147700 Lakhs					Boiler
	Latest Cost	: Rs. 176800 Lakhs					1. Boiler front handed over to BHEL by MBE.
	Exp. Upto 03/09	: Rs. 7200 lakhs					2. Boiler material supply started from 29.11.09.
	Exp. During 09-10	: Rs. 16451Lakhs.					3. Boiler erection started on 06.03.10 against the original schedule of 26.12.09.
	Exp. During 10-11	: Rs. 54409Lakhs					4. Boiler drum lifting completed on 25.08.10.
	Exp. During 11-12	: Rs54058Lakhs					5. Boiler HT(D) achieved on 06.06.11.
	Exp. During 12-13	:Rs.87120 Lakhs					6. Boiler HT (Non-Drainable) completed on 24.02.12.
	Exp. During 13-14 (upto 06/13)	:Rs.11971 Lakhs					7. BLU achieved on 29.02.12.
	Total Exp.(Upto 06/13)	:Rs176800 Lakhs					8. EDTA completed from 1.4.12 to 6.4.12.
	Type of fuel	: Coal					9. SBO started on 04.05.12 and completed on 25.05.12.
	Fuel Linkage	:From WCL and MCL					10. Synch achieved on 07.03.13.
	FSA	: FSA with SECL in progress.					11. Coal firing completed on 07.03.13.
	Financial closure	: Achieved in 10/09					12. Full load achieved on 20.03.13.
	Date of Main Plant Order	: Placed on M/s BHEL on 6.12.08 for BTG.					13. COD achieved on 18.07.13.
	Power Evacuation System: M/s IEPL has been granted connectivity & open access on 400KV Koradi-Wardha Double Circuit line.						TG
Critical Areas		Commissioning of Koradi-Wardha 400kV double circuit line. (Required for Start up Power) BHEL supplies of generator stator from Haridwar. Regular Chimney is ready (Brick lining work is in progress).BLU and EDTA has been carried out through temporary Chimney. Synchronisation and full load is getting delayed due to non availability of Start up power and readiness of power evacuation system by MSETCL (ROW Issue). As a contingency arrangement PGCIL has granted start up power connectivity on Mouda-Deoli 400KV PGCIL line by providing LILO arrangement. Work on last tower is also completed on 22.10.12. Other formal clearances are in progress. Start up power received on 15.12.12. Switchyard back charged on 16.12.12. Delay is due to non-availability of evacuation line of MSETCL.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
5.	GEPL Thermal Power Project,Ph-I (Distt. Chandrapur) M/s Gupta Energy Pvt.Limited (GEPL)	120					1. All required clearances are available. 2. Order for all the BOPs have been placed and work is in progress. Unit-2 Boiler 1. Boiler erection started on 02.09.09. 2. Boiler Drum lifted on 14.01.10. 3. Boiler HT (Non-drainable) achieved on 01.10.10. 4. BLU completed in 11/11. 5. SBO started on 08.01.12 completed on 20.01.12. 6. Unit synchronization achieved on19.04.12. 7. Commissioning achieved on 28.04.12. 8. COD achieved on 09.05.12. 9. TG 1. Condenser erection started on 05.03.10. 2. TG erection started on 16.04.10. 3. TG box up completed in 12/10. 4. Oil flushing completed. 5. TG put on BG on 21.11.11. Unit-1 Boiler 1. Boiler erection started on 02.11.09. 2. Boiler Drum lifted on 14.03.10. 3. Boiler HT (Non-drainable) completed on 15.08.11. 4. BLU completed on 25.11.11. 5. SBO completed on 15.02.12. 6. Synch. achieved on 29.08.12. 7. Commissioning achieved on 08.09.12. TG 1. Condenser erection started on 05.05.10. 2. TG erection started on 16.06.10. 3. TG box up completed in 01/12.
	Unit - 2	60	12/10	12/10	04/12 (A)	04/12 (A)	
	Unit - 1	60	11/10	11/10	08/12 (A)	09/12 (A)	
	Original Est. cost.	: Rs- 65649 Lakhs					
	Latest Cost	: Rs. 75000Lakhs					
	Exp. Upto 03/10	: Rs. 32354lakhs					
	Exp. During 10-11	: Rs. 20200 Lakhs					
	Exp. During 11-12	: Rs. 16164 Lakhs					
	Exp. During 12-13 (Upto 12/12)	: Rs. 3800Lakhs					
	Total Exp.(Upto 12/12)	:Rs.72518 Lakhs					
	Type of fuel	: Coal					
	Fuel Linkage	: (washery reject coal) in process					
	FSA	: in progress.					
	Financial closure	: Achieved					
	Date of Main Plant Order	: Placed on M/s Thyssenkrupp Industries India Pvt.Ltd. (Boiler) in 04/09 and China National Automotive Industries International Cooperation (TG) in 03/09.					
	Power Evacuation System:						
	Critical Areas	Coal availability					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
					Syn.	Comm.	
6.	Butibori TPP, Ph- II, (Ph-I is CPP) (Distt: Nagpur) M/s Vidarbha Industries Power Ltd.	300					1. All clearances are available. 2. The order for civil & structural work (GCW) has placed on M/s JMC. 3. DM Plant commissioned on 05.10.11. 4. Chimney is ready for BLU. 5. Switchyard is ready for back charging (21.11.11).
	Unit-1	300	12/11	01/12	06/12(A)	08/12 (A)	
	Org.Est. cost	: Rs.160000 lakhs					Unit-1 Boiler 1. Civil works started on 01.06.10. 2. Boiler erection started in 10/10. 3. Boiler drum lifting is completed. 4. Boiler HT (ND) completed on 27.10.11. 5. BLU completed on 27.03.12. 6. SBO started on 13.04.12 and completed on 27.04.12. 7. Unit normalization completed. 8. Synch achieved on 25.06.12. 9. Coal Firing achieved on 25.06.12. 10. Full load achieved on 17.08.12. 11. COD achieved on 04.04.13. TG 1. Civil works started on 01.06.10. 2. TG erection started. 3. TG Box up completed in 04/12. 4. TG put on BG in 04/12.
	Latest Cost	: Rs.160000 lakhs					
	Exp. upto 03/10	: Rs 940 lakh					
	Exp. During 10-11	:Rs 15440 lakh					
	Exp. During 11-12	: Rs 86400 lakh					
	Exp. During 12-13 (Upto 12/12)	: Rs.9900 lakh					
	Total Expenditure (upto 12/12)	:Rs.112700 lakhs					
	Financial Closure	Expected in 10/10					
	Type of fuel	:Coal					
	FSA	: Available					
	Fuel Linkage	: Available, WCL, 1.11million tones per annum					
	EPC contract awarded to:	: M/s Reliance Infrastructure Limited.					
	Date of Main Plant Order (Boiler &TG from SEC, China)	:BTG Contract awarded to Shanghai Electric Company China on 16.12.09.					
	Power Evacuation System: MSTECL Grid. 220 kV D/C power evacuation transmission line is ready for energisation.						
	Critical Areas	There was problem in mills and turbine bearing, problem already attended. Mill commissioning is in progress.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
7.	Amravati TPP , Ph-I, (Distt: Amravati) M/s RattanIndia Power Limited (Formerly known as Indiabulls Power Ltd.)	1350					1. All clearances are available. 2. Zero date of the project is 30.11.09. 3. Design & Engineering is in progress. 4. The order for all the BOPs have already placed and work in progress. 5. Work on all the BOPs is progressing well. 6. One chimney with twin flue (U-1&2) completed. Triple flue (U-3-5) expected by 10/12.
	Unit-1	270	11/11	12/11	03/13(A)	03/13(A)	Unit-1 Boiler 1. Boiler civil works started on 16.03.10. 2. Boiler erection started on 04.10.10. 3. Boiler drum lifting completed on 01.03.11. 4. Boiler HT (Drainable) completed on 11.03.12. 5. Boiler Light up completed on 24.08.12. 6. SBO started on 11.01.13 and completed on 31.01.13. 7. Steam dumping started on 05.03.13. 8. Oil synch. achieved on 09.03.13. 9. Coal synch. achieved on 22.03.13 10. Full load achieved on 25.03.13. 11. COD achieved on 03.06.13.
	Unit-2	270	12/11	12/11	02/14(A)	02/14(A)	TG 1. TG civil works started on 27.04.10. 2. TG erection started on 25.08.11. 3. TG Box up completed on 08.06.12. 4. TG oil flushing completed in 12/12. 5. TG put on BG on 19.01.13.
	Unit-3	270	01/12	01/12	01/15(A)	01/15(A)	Unit-2 Boiler 1. Boiler civil works started in 05/10. 2. Boiler erection started on 20.10.10. 3. Boiler drum lifting completed on 25.03.11. 4. Boiler HT (D) completed on 31.03.12. 5. Boiler light up achieved on 31. 03.13. 6. SBO completed on 15.11.13. 7. Normalization completed in 12/13. 8. Oil synch. achieved on 01.02.14. 9. Coal synch achieved on 01.02.14. 10. Full load achieved on 17.02.14. 11. COD achieved on 28.03.14.
	Unit-4	270	02/12	02/12	03/15(A)	03/15(A)	TG 1. TG civil works started in 06/10. 2. TG erection started on 31.12.11. 3. TG Box up achieved on 05.08.13. 4. TG oil flushing completed on 21.07.13. 5. TG put on BG on 12.08.13.
	Unit-5	270	03/12	03/12	03/15(A)	03/15(A)	Unit-3 Boiler 1. Boiler civil works started in 07/10. 2. Boiler erection started on 05.01.11. 3. Boiler drum lifting completed on 17.06.11. 4. Boiler HT (D) completed on 07.10.12. 5. Boiler Light up completed on 12.03.14. 6. SBO started on 15.12.14and completed with normalization on 10.01.15. 7. Oil synch achieved on 18.01.15. 8. Coal synch. also achieved on 18.01.15. 9. Full load achieved on 29.01.15. 10. COD achieved on 03.02.15.
	Date of Approval by State Govt.		: N.A.				TG 1. TG civil works started in 08/10. 2. TG erection started on 29.02.12. 3. TG Box up completed on 10.01.14. 4. TG oil flushing completed in 01/14. 5. TG put on BG on 30.01.14
	Org.Est. Proj. cost		: Rs.688900 lakhs				Unit-4 Boiler 1. Boiler civil works started in 09/10. 2. Boiler erection started on 17.02.11. 3. Boiler drum lifting completed on 27.11.11. 4. Boiler HT (D) completed on 31.03.13.
	Latest.Proj. cost		: Rs.749333 lakhs				
	Exp. upto 03/10		: Rs 97723 Lakh				
	Exp. During 10-11		: Rs. 80446Lakhs				
	Exp. During 11-12		: Rs.225784 Lakhs				
	Exp. During 12-13		: Rs. 185928 Lakhs				
	Exp. During 13-14		: Rs. 111494 Lakhs				
	Exp. During 14-15 (Upto 03/15)		: Rs. 70303 Lakhs				
	Total Exp.(Upto 03/15)		:Rs. 771678 Lakhs				
	Financial Closure		: Achieved on 26.11.09				
	Type of fuel		:Coal				
	FSA		:With SECL & WCL in 06/09(LOA) FSA Letter awaited				
	Date of Main Plant Order		: BTG on EPC basis awarded to BHEL on 30.11.09.				
Fuel Linkage		: From SLC (LT) on 12.11.08.(5.093MTA)					
Date of Main Plant Order		: BTG on EPC basis awarded to BHEL on 30.11.09.					
Zero date of the project		: 30.11.09					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
	Power Evacuation System: Through 400kV D/C quad Moose transmission line upto Akola from there in nearest CTU/STU.						5. Boiler Light up achieved in 12/14. 6. SBO started on 12.01.15 and completed on 28.01.15. 7. Oil synch. achieved on 02.03.15. 8. Coal synch. achieved on 03.03.15. 9. Full load achieved on 04.03.15. 10. COD achieved on 07.03.15. TG 1. TG civil works started in 10/10. 2. TG erection started on 25.05.12. 3. TG Box up completed in 11/14. 4. TG oil flushing completed in 12/14. 5. TG on BG achieved on 02.12.14. Unit-5 Boiler 1. Boiler civil works started in 11/10. 2. Boiler erection started on 25.03.11. 3. Boiler drum lifting completed on 13.01.12. 4. Boiler HT (D) completed in 11/14. 5. Boiler Light up achieved on 27.01.15. 6. SBO started 06.02.15 and completed on 14.02.15. 7. Steam dumping completed on 09.03.15. 8. Oil synch. achieved on 11.03.15 9. Coal synch. achieved on 11.03.15. 10. Full load achieved on 12.03.15. 11. COD achieved on 13.03.15 TG 1. TG civil works started in 12/10. 2. TG erection started on 10.11.12. 3. TG Box up completed on 18.10.14. 4. TG oil flushing completed on 09.02.15. 5. TG put on BG on 22.02.15.
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
8.	Amravati TPP , Ph-II, (Distt: Amravati) M/s RattanIndia Power Ltd.(Formerly known as Indiabulls Power Ltd.)	1350					1. All clearances are available. 2. Zero date of the project is 11.10.10. 3. Design & Engineering is in progress. 4. The order for all the BOPs have already placed and work in progress. 5. Work on all the BOPs is progressing well. @: Work is on hold (April,2012) Unit-1 Boiler 1. Boiler erection started on 24.11.11. 2. Work is on hold. Unit-2 Boiler 1. Boiler erection started in 01/12. 2. Work is on hold Unit-3 Boiler Work is on hold. Unit-4 Boiler Work is on hold. Unit-5 Boiler Work is on hold.
	Unit-1	270	05/14	07/14	05/14	07/14 @	
	Unit-2	270	07/14	09/14	07/14	09/14 @	
	Unit-3	270	09/14	11/14	09/14	11/14 @	
	Unit-4	270	11/14	01/15	11/14	01/15 @	
	Unit-5	270	01/15	03/15	01/15	03/15 @	
	Date of Approval by State Govt.		: N.A.				
	Org.Est. cost		: Rs.664600 Lakh				
	Exp. During 11-12		: Rs. 49727 Lakhs				
	Exp. During 12-13		: Rs.20866 Lakhs				
	Exp. During 13-14		: Rs.3397 Lakhs				
	Exp. During 14-15 (Upto 03/15)		: Rs.2390 Lakhs				
	Total Exp.(Upto 03/15)		:Rs 76380 Lakhs				
	Financial Closure		: Achieved on 01.02.11				
	Type of fuel		:Coal				
	FSA		:Letter awaited				
	Fuel Linkage		:With MCL & WCL in 11/10(LOA) FSA Letter awaited				
	Date of Main Plant Order		: BTG on EPC basis awarded to BHEL on 11.10.10.				
	Zero date of the project		: 11.10.10				
	Power Evacuation System: Through 400kV/765KV Akola and Wardha Substations of MSETCL through 400KV/765KV D/C transmission line.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
9.	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 completed. 4. The BOPs are common for all the five units. All the BoPs are either already completed or nearing completion. 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. Rolling completed on 31.03.14. 8. Readiness of Railway siding by 03/16. 9. GIS clearance received in 01/16. 10. Clearance given to BHEL to start the work on 10.01.16. 11. BHEL re-started work at site on 30.01.16. 12. Coal synch. is expected in 03/16. 13.Full load is expected in 03/16. 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-1	270	12/11	02/12	02/14 (A)	02/14 (A)	
	Unit-2	270	02/12	04/12	03/16	03/16	
	Unit-3	270	04/12	06/12	12/16	12/16	
	Unit-4	270	06/12	08/12	02/17	02/17	
	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		:Rs 98461 Lakhs				
	Exp. During 15-16 (Upto 02/16)		:Rs 98461 Lakhs				
	Total Exp.(Upto 02/16)		:Rs. 661312 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					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
	Power Evacuation System: Through 400kV D/C quad Moose transmission line upto MSETCL sub-station at Bhabaleshwar.						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 08/16. TG 1. TG erection started on 19.01.12. 2. TG box up is expected in 07/16. 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 07/16. TG 1. TG erection started in 05/12. 2. TG box up is expected in 09/16. 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 09/16. TG 1. TG erection start is expected in 03/16.
	Critical Areas						• Railway siding for coal transportation. • Finalization of PPA. • Rectification of defect in GIS switchyard by Siemens-Germany.

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
10.	Nasik TPP , Ph-II (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. @: Work is on hold (May, 2012) Unit-1 Boiler 1. Boiler erection started in 09/11. 2. Work is on hold. Unit-2 Boiler 1. Boiler erection started in 11/11. 2. Work is on hold. Unit-3 Boiler Work is on hold Unit-4 Boiler Work is on hold Unit-5 Boiler Work is on hold
	Unit-1	270	01/13	04/13	05/14	07/14 @	
	Unit-2	270	03/13	06/13	07/14	09/14 @	
	Unit-3	270	05/13	08/13	09/14	11/14 @	
	Unit-4	270	07/13	10/13	11/14	01/15 @	
	Unit-5	270	09/13	12/13	01/15	03/15 @	
	Date of Approval by State Govt.		: N.A.				
	Org.Est. cost		: Rs.678900 lakhs				
	Exp. upto 03/10		: Rs.36805 Lakhs				
	Exp. During 10-11		: Rs. 10000 Lakhs				
	Exp. During 11-12		:Rs. 5339 Lakhs				
	Exp. During 12-13		:Rs. 9615 Lakhs				
	Exp. During 13-14		:Rs. 5022 Lakhs				
	Exp. During 14-15 (upto 03/15)		:Rs. 4400 Lakhs				
	Total Exp.(Upto 03/15)		:Rs. 71181Lakhs				
	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.						
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
11.	GMR Warora TPP, Ph-I &II , (Distt: Chandrapur) M/s GMR Warora Energy Ltd (Erstwhile M/s EMCO Energy.Ltd.)	600					1. All clearances are available. 2. Order for all the BOPs have already been placed. 3. M/s TCE Consulting Engineers, Bangalore are owner’s engineers. 4. All the BOPs are progressing well.
	Unit-1	300	09/11	11/11	12/12(A)	02/13 (A)	Unit-1 Boiler 1. Boiler erection started in 12/10. 2. Boiler Drum lifted in 05/11. 3. HT (Non-Drainable) completed in 01/12. 4. EDTA completed on 21.07.12. 5. BLU completed on 29.08.12. 6. SBO started on 02.10.12 and completed on 14.10.12. 7. Normalization completed. 8. Oil Synch. achieved on 10.12.12. 9. Coal bunkering started on 15.1.13. 10.Coal synch. achieved on 25.01.13. 11.Full load achieved on 07.02.13. 12.COD achieved on 19.03.13.
	Unit-2	300	12/11	02/12	08/13(A)	08/13 (A)	TG 1. Condenser erection started on 18.07.11. 2. TG erection started on 12.12.11. 3. TG box up completed on 13.05.12. 4. TG oil flushing completed on 05.09.12. 5. TG put on BG on 15.09.12.
	Org.Est. cost	: Rs.348000 lakhs					
	Latest Est.Cost	: Rs.400000 lakhs					
	Exp. upto 03/10	: Rs.30300 lakhs					
	Exp. During 10-11	: Rs.50600 Lakh					
	Exp. During 11-12	: Rs.186000 Lakh					
	Exp. During 12-13	: Rs.96700 Lakh					
	Exp. During 13-14 (Upto 06/13)	: Rs.11500 Lakh					
	Total Exp.(upto 06/13)	: Rs.375100Lakhs					
	Financial Closure	Achieved on ----					
	Type of fuel	:Coal					
	FSA	: Available					
	Fuel Linkage	: Available					
	Date of Main Plant Order (Boiler &TG from SEC, China)	: BTG Contract awarded to Shanghai Electric China on 25.09.09.					
	Power Evacuation System: ▪PGCIL has granted long term access and bulk power transfer agreement. ▪Agreement signed with PGCIL on 15.12.09 for construction of 2 bays at Bhadravati substation. ▪Line survey work completed and construction work has started..						Unit-2 Boiler 1. Boiler erection started in 02/11. 2. Drum lifting completed in 08/11. 3. Boiler HT (D) completed on 24.07.12. 4. EDTA completed on 28.03.13. 5. BLU completed on 03.04.13. 6.All Mills completed by 30.07.13. 7. SBO completion and normalization achieved in 07/13. 8. Oil synch. achieved on 06.08.13. 9. Coal firing done on 25.08.13. 10. AHP readiness achieved on 30.07.13. 11. Full load achieved on 27.08.13. 12. COD achieved on 01.09.13.
							TG 1. Condenser erection started on 19.03.12. 2. TG erection started on 21.02.12. 3. TG boxed up on 27.02.13. 4. TG oil flushing completed in 05/13. 5. TG put on BG on 15.05.13.
	Critical Areas	Acquisition and handing over of railway siding and ash pond land is getting delayed from MIDC. Readiness of Transmission line for back charging. MIDC has delayed the award of weir Contract. Contingency arrangement for start up power has been made. Regular start up power received on 22.10.12.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
12.	Dhariwal TPP, (Distt: Chandrapur) M/s Dhariwal Infrastructure Private Ltd.	600					1. All clearances are available. 2. Design & Engineering completed. 3. Order for BOPs on EPC basis have been placed M/s Punj Lloyd on 03.08.10. In all the BOPs work is in progress. 4. Readiness of second ATS line is expected by end 02/14.
	Unit-1	300	02/12	02/12	09/13 (A)	11/13 (A)	Unit-1 Boiler 1. Boiler erection started on 31.03.11. 2. Boiler drum lifting completed on 18.10.11. 3. HT (D) completed On 30.06.12. 4. HT (ND) completed on 06.01.13.
	Unit-2	300	05/12	05/12	04/14 (A)	05/14 (A)	5. BLU achieved on 13.02.13. 6. EDTA completed on 09.03.13. 7. SBO completed on 02.04.13. 8. Rolling done in 07/13. 9. Oil synch. achieved on 02.09.13. 10. Coal firing achieved on 16.09.13. 11. Full load achieved on 03.11.13. 12. COD achieved on 13.02.14.
	Org.Est. cost	: Rs.285000 lakhs					
	Latest Est. Cost	: Rs.372900 lakhs					
	Exp. During 10-11	: Rs 44300 lakh					
	Exp. During 11-12	: Rs 120600 lakh					
	Exp. During 12-13	: Rs 127900 lakh					
	Exp. During 13-14	: Rs 58900 lakh					
	Exp. During 14-15 (Upto 07/14)	: Rs 7600 lakh					
	Total Expenditure(Upto 07/14)	:Rs 352300 lakhs					
	Financial Closure	Achieved in 09/09					
	Type of fuel	:Coal					
	FSA	: Available					
	Fuel Linkage	: SECL					
	Date of Main Plant Order (Boiler &TG from SEC, China)	: BTG Contract awarded to Shanghai Electric Corporation China on 28.04.10.					
	Power Evacuation System: 50% with Chandrapur substation of MSETCL and 50% through 400KV Bhadrawati Parli circuit of CTU by LILO.						
	Critical Areas		400 KVTransmission line is ready but due to non-readiness of Chandrapur –II MSETCL substation, arrangement for start up power being made at 220 KV level. However, for power evacuation Chandrapur II Substation should be ready.				
	TG 1. Condenser erection started 10.07.12. 2. TG erection started on 10.07.12. 3. TG oil flushing completed in 12/13. 4. TG Box is completed on 15.10.13. 5. TG put on BG on 13.01.14.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
13.	Lanco Vidarbha TPP, (Distt: Wardha) M/s Lanco vidarbha Thermal Power Ltd.	1360					1. All clearances are available. MOEF clearance received on 24.02.11. 2. Design & Engineering completed. 3. Order for all BOPs have been placed and progressing as per schedule. 4. FSA is in process. 5. PPA with MSEDCL for 680MW signed on 25.09.08. 6. Work is on hold since 01/2013. 7. Work at site restarted since Apr01, 2015. 8. Work in all the BoPs is also progressing nicely.
	Unit-1	660	09/13	01/14	12/16	06/17	
	Unit-2	660	01/14	05/14	03/17	09/17	
	Org.Est. cost		Rs.693600 lakhs				
	Latest cost		Rs.1043300 lakhs				
	Exp. upto 03/11		Rs 97600 lakh				
	Exp. During 11-12		Rs 181100 lakh				
	Exp. During 12-13		Rs 67200 lakh				Unit-1
	Exp. During 13-14		Rs 15200 lakh				Boiler
	Exp. During 14-15		Rs - lakh				1. Boiler erection started on 01.08.11. 2.Main structure erection upto 6 th tier completed upto 10/15. 3. All the (5) Ceiling Girder (CG) erection work completed. 4. Pressure parts erection work expected to start shortly. 5. APH erection work is under progress.
	Exp. During 15-16 (upto 01/16)		Rs 82900 lakh				TG
	Cumulative Exp.(Upto 01/16)		Rs 444000 lakh				1. TG Deck casting completed. 2. TG handed over to mechanical department for erection 3. TG erection start is expected in 01/16. 4. EOT Crane (2 nos.) already commissioned.
	Financial Closure		Achieved on 01.12.10.				
	Type of fuel		Coal				
	FSA		In process				
	Fuel Linkage		SECL				
	Date of Main Plant Order		EPC Contract awarded to M/s				Unit-2
	Boiler & Aux.: Dongfang, China		Lanco Infra Tech Ltd.(LITL)				Boiler
	TG & Aux.: Harbin, China,		through ICB Route in 11/09.				1. Boiler erection started in 10/11. 2. Main structure erection upto 6 th tier completed. 3. All the (5) Ceiling Girder (CG) erection work completed. 4. Pressure parts erection work expected to start shortly.
	Power Evacuation System: Grant of connectivity letter received at 765 kV from Wardha-Seoni line from PGCIL. Connectivity agreement is in progress.						TG
							1. TG raft completed and Mezzanine Floor work completed. Top deck shuttering work is in progress. 2. TG erection start is expected in 04/16.
	Critical Areas	# Work was on hold due to financial crunch. Work has now restarted since 04/15.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
14.	Bijora Ghanmukh TPP, (Distt: Yavatmal) M/s Jinbhuvish Power Generations Pvt. Ltd. (JPGPL)	600					1. All statutory clearances are available. MOEF clearance received on 30.07.12. 2. Design & Engineering in progress. 3. Order for all BOPs on EPC basis has already been placed on M/s AEMPL on 26.05.14. The process of subletting package wise contract to reputed vendors is in progress. 4. Site leveling and grading is in progress. 5. Capacity revision from 2x250 MW to 2x300 MW accepted and issued letter on 19.03.14. 6. FSA is in process. All the milestones required under the terms of LOA have been completed. 7. PPA: MOA signed on 27.02.12 with PTC India Ltd. for sale of 430 MW (75%) on Long Term Basis and remaining 25% on merchant power basis. 8. Various site enabling works are in progress.
	Unit-1	300	10/16	12/16	12/16	01/17	Unit-1 Boiler 1. Boiler Civil works started in 09/15. 2. Boiler erection start expected in 03/16. TG 1. TG Civil works start is expected in 03/16. 2. TG erection start expected in 09/16. Unit-2 Boiler 1. Boiler Civil works start is expected in 03/16. 2. Boiler erection start expected in 09/16. TG 1. TG Civil works start is expected in 05/16. 2. TG erection start expected in 11/16.
	Unit-2	300	01/17	03/17	02/17	03/17	
	Org.Est. cost	: Rs.318900 lakhs					
	Latest cost	: Rs.345000 lakhs					
	Exp. upto 03/14	: Rs 37475 lakh					
	Exp. During 14-15	: Rs 4752 lakh					
	Exp. During 15-16	: Rs - lakh					
	Cumulative Exp.(Upto 03/15)	: Rs 42227 lakh					
	Financial Closure	: Achieved (REC &PFC)					
	Type of fuel	:Coal					
	FSA	:Coal Linkage LOA received from WCL, however FSA is yet to be signed					
	Fuel Linkage	: WCL(1.851MMT)					
	Consent to Establish	: Obtained from MPCB					
	Date of Main Plant Order (Boiler &TG from CWPC, China)	: BTG on EPC basis Contract awarded to M/s CWPC (China Western Power Corporation) (through ICB Route) on 28.09.11.					
	PPA	Signed with PTC India Ltd.					
	Power Evacuation System: Final connectivity on LILO from PGCIL Wardha-Parli D/C transmission line.						
	Critical Areas	The schedule of implementation got revised due to change in capacity from 2x250 MW to 2x300 MW. Formal approval received on 19.03.14. Signing of FSA with WCL has to be expedited.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
15.	Mangaon CCPP, (Distt: Raigad) M/s Pioneer Gas Power Ltd. (PGPL)	388					1. All mandatory clearances are available. 2. Design & Engineering completed. 3. Order for allf the BOPs have already been placed. 4. Configuration is 1GT+1 ST. 5. Readiness of gas substation is expected by 06/13. 6. Readiness of power evacuation is expected by 08/13. 7. DM plant is expected to be ready by 05/13.
	Block-I(1GT+1 ST+ 1HRSG) GT:255MW, ST:133 MW	388	03/13	12/13	03/16	03/16	
	Org.Est. cost	: Rs.123300 Lakh					
	Latest Est. cost	: Rs.146000 Lakh					
	Exp. During 11-12	: Rs. 14198 Lakh					
	Exp. During 12-13	: Rs 50873 Lakh					
	Exp. During 13-14 (Upto06/14)	: Rs 58650 Lakh					
	Cum.Expenditure upto 06/14.	: Rs 123721 Lakh					
	Financial Closure	: Achieved on 28.12.11.					
	Type of fuel	:Gas					
	FSA	: In process					
	Fuel Linkage	: Yet to be accorded					
	Date of Main Plant Order GT/GTG- GE, USA ST/STG- Scoda, Czech HRSG- Wuxi Huaguang	: EPC Contract awarded to M/s Tata Project Ltd.(TPL) through ICB Route on 16.12 11.					
	<u>Power Evacuation System:</u> The start up power and power evacuation for this project will be at the voltage of 220kV Vile-Bhagad Sub-station of MSETCL located at around 2km distance from the site.						
	Critical Areas	Allocation of Gas from D-6, KG Basin.Gas requirement for this project is 1.75mmscmd.					

Southern Region

BROAD STATUS OF THERMAL POWER PROJECTS IN ANDHRA PRADESH

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / Now expected		
			Syn Com	COD	Syn Com	COD	
3.	Vizag TPP (HNPC Ltd), Palavalasa village Distt. Vishakhapatnam	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 is ready. • CT: Not applicable due to once through cooling system. • CHP: Truck hopper route up to U-1 is ready. 04 crushers erected. For U-2, JNT-1&2 structural erection complete. Associated mechanical works to LHS, RHS sides, erection of tippers to be completed. Stacker Reclaimer- 2 testing in progress. • AHP: Series pump’s erected. Ash slurry p/h is ready. Ash slurry pipe line up to dyke is nearing completion. • Desalination Plant is ready. DM Plant commissioned. • CW System: Piping work completed except a small portion of U-2 intake pipe line. 02 nos of sea water p/p for U-1 are erected. EOT crane ready. U-2 intake well works are in progress.. Diffuser portion on outfall side is completed. Down comers (12) erected. HDPE diffuser pipelines laying on sea bed is in progress. • FO System: ready. • Switchyard: Gantry work completed. Equipment erected. • 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. EDTA works started on 11.08.2014 and completed on 14.08.2014. SBO started on 24. 09.14 & works are affected due to Hudhud cyclone. 08 Mills ready. SBO restarted on 06.03.2015 and completed on 20.03.2015 and Normalization works completed on 10.04.2015. Synchronized on 6/12/15 & loaded to 350 MW. • 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 on 21/04/15. TG on barring gear from 05/ 08/14. • Re- synchronized and achieved Full load on 27/12/15. COD w.e.f 10/01/16. • Unit-2: Boiler: erection started on 29-09-11. Mills are ready. • Drum: lifted on 18/04/12. HT conducted on 28-03-13. BLU: completed on 30/07/14, EDTA started on 18/04/2015 and completed on 27/04/2015. SBO started on 5/10/15 completed on 12/10/15. • 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 15/04/14. TG put on barring gear on 30/05/15.
Unit-1	520	05/13	06/13	6/12/15	10/01/16		
Unit-2	520	06/13	07/13	27/12/15			
		08/13	09/13	03/16	03/16		
		09/13		03/16			
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.	90000.00 Lakh					
Expend during 15-16	:Rs	121314.00 Lakh (up to 12/15)					
Total Expenditure	: Rs	7168.38 Crores (up to 12/15)					
Bank disbursement	: Rs.	3618.00 Crores					
Zero date	:30.06.2010						
Financial closure	:Achieved on 29 th June’10 with a consortium of 15 Banks led by SBI (75:25 :: Debt: Equity)						
Coal Linkage	: LOA issued by MCL for supply of 100% coal normative quantity to HNPNCL 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 Permanent Railway line Permanent transmission facilities for power evacuation by APTRANSCO.						
Delay reasons	Readiness of transmission line for back charging, intake and outfall system, CHP, Hudhud cyclone						

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Orig.		Actual(A) / Anticipated			
			Syn. Com	COD	Syn. Com	COD		
6.	Pynampuram TPP (2x660 MW) Disistt. Nellore, AP (M/s Thermal powertech Corporation Ltd.) Unit-1	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. • AHP: Order placed on Macawber Beekay Pvt. Ltd. on 19-06.12. Silos are in progress. • WTP: ready • DM Plant: ready • 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. 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. • TG: Condenser erection started on 10-05-13. TG erection started on 10-06-13. 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. • HT: Non-drainable hydro test completed in 07/14. Chemical cleaning completed. Cold flushing completed on 19.06.2015. BLU done in June, 2015. SBO completed on 29.06.2015. Synchronized on 11/08/15. • ESP: Insulation and cladding works in progress. • 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 completed and is on barring gear from 11.06.2015. full load acheived on 03/09/15.	
	Unit-2	660	02/14 05/14 08/14	08/14 11/14	22/12/14 07/02/15 11/08/15 03/09/15	03/15 10/15		
	Original Estimated Cost		Rs 686900.00 Lakh					
	Latest Estimated Cost		Rs 686900.00 Lakh					
	Expenditure During 09-10		Rs 2409.00 Lakh					
	Expenditure During 10-11		Rs. 45929.00 Lakh					
	Expenditure During 11-12		Rs. 50374.00 Lakh					
	Expenditure During 12-13		Rs. 346848.00 Lakh					
	Expenditure During 13-14		Rs. 253988.00 Lakh					
	Expenditure During 14-15		Rs. 161247.00 Lakh					
	Expenditure During 15-16		Rs. 59908.00 Lakh					
	Total Expenditure		Rs 9207.03 Crores (up to 08/15)					
	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		PPA						

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Actual.(A) / Anticipated			
			Syn. Com	COD	Syn. Com	COD		
1.	Sri Damodaram Sanjeevaiah TPP (Krishnapatnam) (APPDCL) Distt.Nellore Unit-1	1600					<u>Unit-1</u> Blr: Erection commenced on 20-02-11. HT conducted in 03/13. Blr lighted up on 13-08-13. Mill trail run completed. EDTA cleaning completed on 09-09-13. SBO Completed and normalization works completed. Coal firing done on 17.04.2014. TG: Condenser erection commenced 04-02-12. TG erection started on 10-01-12. Box up completed. Both TDBFP boxed up. Unit synchronized on 31.03.2014 on oil. Achieved full load on 28.08.2014. Unit declared on COD w.e.f 05.02.2015. <u>Unit-2</u> Blr: Erection commenced on 24-04-11and 25920/31122 MT material erected till 06/14. Pressure parts erected. Mill equipment erected up to separator top.HT (drainable) completed in 12/2013. BLU completed on 22.06.2014. EDTA cleaning started on 27.06.2014. EDTA completed. SBO started on 13.09.2014 and completed on 20.11.2014. TG: Condenser erection commenced 04-07-12. TG erection started on 28-07-12. TG boxed-up in 11/13. Unit synchronized on 16.12.2014 and achieved full load 17.03.2015. Unit declared COD w.e..f. 23.08.2015.	
	Unit-2	800	05/1207 /12	08/12	03/14 08/14	02/15		
		800	11/12 01/13	02/13	12/14 03/15	08/15		
	Org. Est. Cost	:Rs 843200 lakh						
	Latest Est. Cost	:Rs ----- lakh						
	Expend during 06-07	:Rs. 432 lakh						
	Expend during 07-08	:Rs. 449 lakh						
	Expend during 08-09	:Rs. 89960 lakh						
	Expend during 09-10	:Rs. 54785 lakh						
	Expend during 10-11	:Rs. 167208 lakh						
	Expend during 11-12	:Rs. 285441 lakh						
	Expend during 12-13	:Rs. 166940 lakh						
	Expend during 13-14	:Rs. 140394 lakh						
	Expend during 14-15	:Rs. 189744 lakh						
	Expend during 15-16	:Rs. 74525 lakh						
	Total Expenditure	Rs 11810.51 Crore (up to 08/15)						
	Approval date:	: 28-01-2006						
	Date of Main Plant Order	: SG on BHEL on 25-07-08 : STG on L&T on 26-06-08 : BOPs on Tata's on 10-02-09						
	Zero date	: 29-08-08 BHEL- Steam Gen : 23-09-08 L&T - STG : 27-02-09 Tata Pro Ltd - BOPs						
	Financial closure	: Financial Tie-up is made with PFC on 26-12-07, KFW Germany on 11-12-08 and local banks						
	Type of Fuel	:Coal – FSA on 20-12-06 for 5 million Ton per Annum with MCL (70:30::Ind: Imp)						
	PPA	:Entered with DISCOMs of 22-11-2010						
	Power Evacuation system	:Consent of APTRANCO on 01-03-2007						
Critical Areas		Readiness of external CHP(~ 4km length) by M/s Indwell						

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Orig.		Actual(A)/Now Anticipated		
			Syn. Com	COD	Syn. Com	COD	
2.	Rayalaseema TPP St-IV (M/s. APGENCO) Distt.Cuddapah Unit - 6	600 600	 07/14 08/14	 	 09/16 12/16	01/17	- MOEF clearance obtained on 21.10.2010. - PFC Sanctioned a loan of Rs 2423 crores. - M/s Desein Pvt. Ltd is providing engineering consultancy services. Chimney: (M/s Gammon) Shell concreting started on 25.05.15 & 146.3M/275 M completed. NDCT: (M/s Gammon) Raft work in progress. CHP: Levelling is in progress. M/s Thyssenkrup is executing these works. AHP: package is to be re-awarded Vacuum pump house building, Silos area civil works are in progress. RWR: Trimming of slopes of reservoir bund is in progress. PTP: 90% of clarifier works completed. Filter water reservoir works in progress. CWS: raft work in CW pump house is in progress. PCC works of fore bay in progress. CW pipe line fabrication completed. DM: Roof slab work of building to be done. Vessels foundations ready. Vessels material available at site. Some vessels are placed in position. FO System: Tanks fabrication in progress. M/s Xicon is executing these works. Boiler: Erection started on 04-02-2013. Boiler Drum lifted on 30-11-13. 19760 MT structural materials erected out of 29730MT. Boiler air leak test completed. ESP: 8349 MT out of 9582 MT erected. TG: Columns erection completed. Deck slab concreting completed. Condenser pedestals (4/4) completed.. TG rotors received at site. Cable: laying cables for construction power supply is under progress. Switchyard: Foundations of all equipment were completed except for one.
Original Estd. Cost : Rs. 302886 Lakh Latest Est. Cost : Rs. 378186 Lakh Expenditure during 2009-10 : Rs 555.00 lakh Expenditure during 2010-11 : Rs 25833.00 lakh Expenditure during 2011-12 : Rs 8155.00 lakh Expenditure during 2012-13 : Rs 29331.00 lakh Expenditure during 2013-14 : Rs 80045.00 lakh Expenditure during 2014-15 : Rs 52429.00 lakh Expenditure during 2015-16 : Rs 59303 lakh Total Expenditure : Rs. 2556.51 Crores (up to 01/2016) Zero date : 10-02-2011 Financial closure : Achieved on 19-03-10 Type of Fuel : Coal Main Plant Order : Placed on M/s BHEL for BTG on 18.11.10. BOP Package : Purchase order placed on the consortium led by M/s Tecpro Systems Ltd, including civil works on EPC basis on 15-12-10. Now it is led by VA Tech.							
Critical Areas	Delay in handover of various civil fronts and inputs by BOP contractor to BTG contractor (BHEL).						
	Slow progress of Civil works and BOP works by the consortium led by Techpro systems Ltd. Now the consortium leader is changed to VA Tech and APGENCO is making direct payments to consortium partners.- Action by APGENCO						
	Award of CHP, AHP by the consortium leader VA Tech.						
Delay reasons	1. Boiler erection start was delayed by 13 months due to initial land acquisition and civil works problems. Mill and ID, FD & PA foundation work not started.						
	2. Slow progress of Civil works and BOP works by the consortium led by VA Tech, Techpro and Gammon.						

No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Orig.		Actual(A)/ As Now exp.			
			Syn. Com	COD	Syn. Co m	COD		
PRIVATE SECTOR								
7.	Bhavanapadu TPP Ph-I (M/s East Coast Energy Pvt. Ltd.) Distt.: Srikakulam	2x660					• Land: Total land of (2050 + 36.94 Coloney) Acres is acquired. • MoEF: Clearance obtained on 09-04-2009 & revalidated on 20/08/14. • Water: Permission for drawl of 168 cusec sea water from Govt. of AP is obtained on 10-06-2008. • SPCBC: clearance obtained from APPCB on 15-06-2009 revalidated on 30/12/14. • Civil Aviation: AAI clearance obtained vide Ir. Dt. 04/03/08 & revalidated up to 3rd March 2020. • Chimney: Order placed on M/s. R S Pabla in Oct 10. Shell casting completed. Flue can erection is in progress. • NDCT: Order placed on M/s Paharpur Cooling Towers. • CHP: Awarded to M/s BSBK. Piling completed. Dewall works in track hopper area completed. • AHP: Order placement is in progress. • WTP: Engineering is in progress. • DM Plant: Engineering is in progress. • CW S: Dewall works in track hopper area completed. • FPS: Engineering is in progress. • FOS: Order placed on Delta P.D. Pumps on 14-05-12. Switchyard: Engineering is in progress. ATS: Award of contract to be done by ECEPL. Unit-1 •Boiler: Boiler erection is started on 27.03.2014. 5th tier erection completed. Girders are to be placed which are available at site. HT expected by 05/16. •ESP: Structures, hoppers erection is in progress. •TG: Deck casting completed on 28/05/15. Power house erection (2nd tier) is in progress. EOT crane to be erected. TG erection start expected by 02/16. Unit-2 •Boiler: Boiler erection started in 02/15. 2nd tier erection completed. •ESP: Piling completed. •TG: Raft cased on 29/05/15. TG columns scaffolding work is in progress. Condenser erection start expected by 03/16. Reasons for delay Law & Order problem, Financial problem of the company, acquisition of balance land for sea water intake & railway siding.	
U-1	660	08/13 10/13	12/13	04/17 06/17	07/17			
U-2	660	01/14 03/14	05/14	09//17 11/17	12/17			
Original Estimated Cost			:Rs 657194.00 lakh (Eq:dbt::25:75)					
Latest Estimated Cost			:Rs 934315.00 lakh (09/07/14)					
Expenditure during 07-08			:Rs 1674.00 lakh					
Expenditure during 08-09			:Rs 7018.00 lakh					
Expenditure during 09-10			:Rs 27800.00 lakh					
Expenditure during 10-11			:Rs 72100.00 lakh					
Expenditure during 11-12			:Rs 22900.00 lakh					
Expenditure during 12-13			:Rs 29208.00 lakh					
Expenditure during 13-14			:Rs 76300.00 lakh					
Expenditure during 14-15			:Rs 82210.00 lakh					
Expenditure during 15-16			:Rs 49740.00 lakh					
Total Expenditure (till 12/15)			:Rs 3752. 60 Crores					
Zero Date			: 15-09-2010					
Financial Closure			: Achieved on 08-09-2010					
Date of Main Plant Order			: Order placed on 03-09-2009 on DEC China (BTG)					
BOPs			: EPC of BOP & Main plant Civil works contract awarded to consortium of M/s NEC and M/s Abir Infrastructure Pvt Ltd on 30.01.10.					
Coal Linkage / FSA			: LOA received from MCL for 4.273 MTPA on 11-06-2009. FSA to be signed. FSA signed with Global Fuels pvt Ltd Singapore for balance quantity of coal on 23-04-09					
PPA			:Long term PPA signed with PTC India Ltd on 25-06-10 as an amendment of 06-05-09					
BPTA			: BPTA signed with PGCIL on 21-09-12.					
Critical Area			Signing of FSA. SLC to decide. Readiness of ATS from Plant to power grid pooling station at Palasa (42 km) by M/s East Coast. Allotment of land for railway siding, sea water intake pipelines and pump house by Govt. of A.P.					

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / Now Anticipated			
			Syn. Com	COD	Syn. Com	COD		
4.	Thamminapatnam TPP Ph-II (M/s Meenakshi Energy Pvt.Ltd.), Thamminapatnam Distt.: SPSR Nellore, AP	2x350					563.90 Acres of land acquired for entire 1000 MW. - MOE&F: Clearance obtained on 03-06-2009 & 19-10-09. Further extended up to 18-10-19 on 25-10-13. - SPCB: Clearance obtained in May, 2011 from APPCB. - Civil Aviation: NOC obtained on 28-02-11from AAI for 281 m height of chimney.	
	Unit-3	350	01/12 05/12	06/12	07/16 08/16	09/16	Water:100 Cusec/day sea water from Kandaleru Creek accorded by Principal Secy (FAC), Infrastructure & Investment (Ports-I), AP on 18-02-10	
	Unit-4	350	03/12 08/12	09/12	10/16 11/16	12/16	Chimney: shell concreting completed (out of 270 m). Flue cans fabrication (781.21/848) in progress.	
	Original Estd. Cost Latest Estd. Cost	:Rs 312000 lakh :Rs 500500 lakh						
	Expnd during 2008-09 Expnd during 2009-10 Expnd during 2010-11 Expnd during 2011-12 Expnd during 2012-13 Expnd during 2013-14 Expnd during 2014-15 Expnd during 2015-16 (Up to 12/2015)	:Rs -NIL- :Rs 1157.00 Lakh :Rs 42362.00 Lakh :Rs 53379.46 Lakh :Rs 21802.67 Lakh :Rs 47833.82 Lakh :Rs 81556.43 Lakh :Rs. 72659.39 Lakh						
	Total Expenditure Bank disbursement	: Rs 4160 .05 Crores (up to 12/15) : Rs 1000.00 Crores						
	Financial Closure :	: 01-10-2010 Loan agreement signed with REC, IBDI & other Banks, REC as lead lender						
	Date of Main Plant Order :	: 10-12-2009 Boiler –Cethar Vessels Ltd, Trichy, Tamil Nadu, India TG – China National Automotive International Corporation, China (Harbin)						
	Fuel Linkage:	: Coal linkage with MCL for 2.032 MTPA, ‘F’ Grade Coal on 11-06-2009. Coal linkage also with M/s Coal & Oil Company LLC on 01-09-2009 for 1.8 MTPA (amended on 15-07-11 for 2.2 MTPA) coal of 4400 Cal/kg GCV						
	FSA	: Signed for U-1 in 08/13						
	BPTA	: BPTA signed with PGCIL for 300 MW on 24-02-2010 and for additional 300 MW on 24-12-2010. Annexure to BPTA signed for 1000 MW on 02-01-12						
	Transmission System	: 400 KV MEPL – Manubolu (PGCIL) 27 km line is completed by M/s Sujana Towers Hyderabad and charged.						
	Power Purchase Agreement:	: PPA signed with M/s PTC on 25-02-2010 for 600 MW.						
	Mega Status	: Achieved in 02/12						
	Critical Areas							

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Orig.		Actual(A) / Now Anticipated		
			Syn. Com	COD	Syn. Com	COD	
5.	NCC Power Project(2x660 MW) Distt. Nellore, AP (M/s NCC Limited) Unit-1 Unit-2	1320 660 660	 02/15 03/15 05/15 06/15	 03/15 06/15	 05/16 06/16 08/16 09/16	 07/16 10/16	• Land: 100% land is under physical possession. • MOE&F: clearance issued on 18-05-2011(Amended clearance). • SPCBC: clearance obtained on 16-06-2011. • Civil Aviation: AAI issued NOC on 02-06-2011. • Water: Permission obtained from GoAP for drawl of 325000 m³ per day (132.8 cusec) of sea water. • Chimney: 270 m shell concreting is completed. Unit-1 flue can erection in progress. Unit-2 Flue can fabrication completed. • NDCT: CT-1 shell casting completed. Internals like precast column & beams erection completed. Fills received at site & erection in progress . CT-2 (148/170) shell casting in progress. Internal hot water duct & internal columns are under progress. • CHP: order placed on M/s Thyssen Krupp Industries India on 30-03-13. Crusher house erection is in progress. SR-1, 2 & 3 equipment erection in progress. 30:70 Import: Domestic coal. 7.5 Km piped conveyor for transportational coal from Krishnapatnam port to site. Coal linkage is from MCL. FSA is to be finalized. • AHP: Order placed on BSBK Engineers Pvt. Ltd. on 05-02-13. Fly ash silo construction is completed. Bottom ash silo slab casted & silo erection in progress. As pond lining work is in progress. • RWPH: excavation and pile chipping is in progress. • PT Plant: Order placed on VA Tech WABAG on 21-01-13. Desalination water pump house and tank raft completed. Raft is completed for PTP, Desalination water PH and tank, DMF/PSF areas. PCC & raft work is in progress for SWRO reject tank, BWRO & MB feed tanks, clarified water and filter storage tanks. • DM Plant: Order placed on VA Tech WABAG on 21-01-13. Mechanical & piping works completed. Electrical & C&I works are in progress. One stream is expected to be ready by Jul 2015. • CWS: Order placed on M/s Jyoti Pumps Ltd on 07-11-12. CW pumps house structural fabrication completed. Operating floor civil works in progress. Intake (dia 1.6m, 1.15 km) and outfall pipeline (dia 1.6m, 1.6 km) laying completed in offshore & onshore area. CW channel & forebay completed. • FPS: LOA issued to Agnise Fire Protection Limited on 11-07-13. • FOS: LOA issued to United System & Project Limited on 11-06-13. LDO/HFO tanks erection completed. Pump house civil work in progress. • Switchyard: LOA issued to Ms ABB Ltd. on 12th Feb, 2013 for supply and erection of 400 kV GIS. GIS bays erection, cable laying in progress. Stringing of ACSR twin moose conductors from GT-1 to switchyard completed. Outdoor bus duct erection in progress. Unit-1 • Boiler: erection started on 10-05-13. Divisional super heater erection completed. 7357/8448 MT pressure parts erection completed. Nearly 49616/52867 joints completed. ID fan erection in progress. 06/08 coal mills erected. Coal piping erection under progress. HT: done on 29/07/15. • ESP: erection completed. Air leak test completed. Electrode alignment is under progress. • STG: TG deck casting completed on 21.02.2014. Condenser erection started in 06/14. TG erection started in Jul’14. HIP, LP-1 & LP-2 rotor placed centering works in progress. TG box-up expected in 02/16. • Control room civil work is under progress. Unit-2 • Boiler: Boiler erection started on 27-11-13. 7711/8348 MT pressure parts erection completed. Nearly 51509/52890 joints completed. ID fan foundation completed. 06/08 coal mills erected. HT: done on 01/16. • ESP: Pass-B inner roof insulation lagging works are under progress. • STG: Pile capping and pedestal work for TG building is under progress. Deck casting completed. TG erection started on 15.12.2014. Tube insertion in condenser is in progress. TG box-up expected in 04/16. • Coal mills erection under progress.
Original Estimated Cost		Rs 704600.00 Lakhs					
Latest Estimated Cost		Rs 704600.00 Lakhs					
Expenditure During 11-12		Rs. 126225.00 Lakhs					
Expenditure During 12-13		Rs. 52599.00 Lakhs					
Expenditure During 13-14		Rs. 138230.00 Lakhs					
Expenditure During 14-15		Rs. 318102.00 Lakhs					
Expenditure During 15-16		Rs. 147515.00 Lakhs					
Total Expenditure(up to 12/15)		Rs 774300.00 Lakhs					
Zero date		: 10-02-2012					
Financial closure		: Achieved on 04-06-2011					
Date of Main Plant Order		: 10-02-2012					
Award of contract		: BTG order placed on Harbin Boiler, Harbin Turbine and Harbin Electric Companies for boiler, turbine and generator respectively.					
Coal Linkage		: LOA issued by CIL for Coal on 01-12-11 from MCL instead of SECL.					
PPA		: NCCP submitted bid for UP case-1 on 24-09-2012 for 200 MW power					
Power Evacuation System		: LTOA approved and connectivity agreement signed with PGCIL					
BPTA		Agreement signed with PGCIL.					

Critical Areas	• Signing of PPA.
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BROAD STATUS OF THERMAL POWER PROJECTS IN TELANGANA

(STATE SECTOR PROJECT)

			Orig.		Actual(A) / Now Anticipated			
			Syn. Com	COD	Syn. Com	COD		
9.	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. Erection yet to start. • 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 & erection works of LDO HFO tanks completed. • Switchyard: Raft casting works in GT, ST, UT, UAT area in progress.	
	Unit-1	600	05/14 12/14	02/15	02/16 03/16	03/16		
	Unit-2	600	09/14 04/15	06/15	03/16 04/16	05/16		
	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	:Rs	230752 lakhs						
2015-16 (11/15)	:Rs	102955 lakhs						
Cumulative exp up to (11/15)		:Rs 637952 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 Nally Bharat M/s Mc						
		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		: Signed with APDISCOMS for sale of 1050 MW of power after meeting the self requirement of 150 MW.						
Power Evacuation System		: 400 KV Quad DC line from Project site to Gajwel 400 KV station (length: 162.46 KM). This work is awarded by APTRANSCO.						
BPTA		Zero date is 06.02.13						
		• Mill, Bunkers, Track hopper, IDCT, DM Plant, Fans, Chimney etc. Civil structural works are in progress.						

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Orig.		Actual.(A) / Now Anticipated		
			Syn. Com	COD	Syn. Com	COD	
8.	Kakatiya ST- II TPP (APGENCO) Distt. Warangal Unit-2	600 600	 <u>05/12</u> 07/12	 08/12	 <u>22/10/15</u> 31/12/15	 03/16	• 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. 8589.67/10011 MT structural material erected. 6550/6701 MT pressure parts erected and 31305/33097 HP joints and 38160.16/38959 Eq joints completed till 6/15. 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 done on 31/ 05/15. SBO completed on 30/08/15. • 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. Unit commissioned on 31/12/15. • 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					
	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	: Rs. 63313 lakhs						
Exp During 2015-16	: Rs. 59255 lakhs						
(up to 09/15)	: Rs. 40041 lakhs						
Cumulative exp up to (09/15)	: Rs 310545 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.					

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Orig.		Actual.(A) / Now Anticipated		
			Syn. Com	COD	Syn. Com	COD	
10.	Kothagudem TPS –VII (TSGENCO) Distt. Kammam	800	09/17 11/17	12/17	NA		• MOEF clearance obtained on 16/07/15. SPCB: Applied for consent for establishment and approval awaited. • REC has sanctioned a loan vide letter dated 17/01/14. • PPA: PPA signed on 22.01.2013 and power evacuation system 400 Kv by TSTRANSCO. • Water allocation available vide G.O.MS No.47, dated 24.12.14. • Chimney: AAI clearance obtained vide letter No.AAI/SR/NOC/RHQ dt.15.10.12. • CHP: Wagon tippler and stacker cum reclaimers awarded to M/S TRF on 06.07.15 / 12.08.15 respectively. Inspection of equipment carried out at workshop. • Boiler: Civil work started on 12/06/15 and erection commenced on 24.01.2016 , work is in progress. • TG Deck: TG civil work started in 23/08/15.
	Org. Est. Cost : Rs. 554844lakhs						
	Latest Est. Cost Latest : Rs lakhs						
	Est. Cost : Rslakhs						
	Expenditure upto 3/09 : Rs.						
	Exp During 2009-10						
	Exp During 2010-11						
	Exp During 2011-12						
	Exp During 2012-13						
	Exp During 2013-14						
Exp During 2014-15							
Exp During 2015-16							
(up to 09/15)							
Cumulative exp up to (09/15)							
Zero date : 01/01/2015							
Financial closure : Tied up with REC on 17/01/2014							
Date of Main Plant Order: (BTG on M/s BHEL)							
Critical Areas							

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: 2.04 TMC water allotted on 10-09-09 by Govt of Karnataka. - Chimney: 275 m Shell concreting is completed. External platform and corbels casting completed. AR brick lining completed. Hopper work completed. Painting and lighting 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. Erection of hot water riser and distributor pipes is in progress. Fill erection to be taken up after receipt of steel rods from Kolkata. - 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 erection of galleries is in progress. All mills and bunkers erection completed. Trippers of both sides erected. - AHP: Order placed on M/s DC Industrial Plant Services on 5-7-11. Vacuum pumps, motors and compressors erected. Silo shells and bottom ash hopper completed. Erection of FAE towers, ash pipes below ESP and up to ash silo, from bottom ash hopper, ash slurry pump house one stream commissioned and balance work is in progress. Pipe rack: BAH to slurry pump house and slurry pump house to ash dyke work is in progress. - CWPH: All 3 ACW and 3 CW Pumps erected along with motors. 2 CW pumps erection is in progress. Pipe erection completed. - DM: Storage tanks 1&2 erected and DM make up water pump house erected. Equipment erection completed. Commissioning is in progress. - FOPH: FOPH is completed, all equipment & motors erected. Oil piping is completed and is in use. - Boiler: Erection commenced on 26-11-12. HT completed on 30-11-14 / 02-02-15. Welding joints completed. ID1&2, FD1 and PA1 fans erection completed. FD2 & PA2 fans chamber grouting and silencer assembly erection completed. Unit was synchronized done on 25.12.2015. - BLU: conducted on 28-03-15. EDTA completed on 02-05-15. - SBO: started on 25th July 2015. 1st stage SBO completed and 2nd stage completed on 10.10.15 - ESP: Erection of emitting electrode in all passes completed. Inlet duct air leakage test for A&B passes completed. Insulation and cladding is completed. ESP control room is ready. - STG: Erection of TG was started on 12-11-13. TG boxed up on 12th June 2015. TG put on barring gear on 15-09-15. TDBFP oil flushing is in progress. Barring gear erected. - FPS: Supply of equipment is completed and erection is in progress in some areas. - Switchyard: All 400 kV equipment erected. Gravel spreading in switchyard area completed. Switchyard control room equipment testing and commissioning completed. Switchyard charged on 26-06-15.	
	Unit-3	700	08/14 09/14	2014	12/15 03/16	04/16		
	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 01/2016)		: Rs. 52545.00 Lakh					
	Total Expenditure		: Rs. 4572.07 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						
Critical Areas		1. Supply of material for ash handling system, coal handling system, NDCT etc. 2. Completion of CHP and AHP						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Anticipated/ Now expected		
			Syn Com	Cod	Syn Com	Cod	
2.	Yermarus TPP (2x800 MW) Distt.-Raichur, M/s Karnataka Power Corpn. Ltd	1600					- 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: Obtaine3d 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. Flue can erection for U-1 completed. Second segment of flue cans erected for U-2. - IDCT: Order placed on L&T on 15-05-13. CT1&2 completed for U1 and that for CT3&4 is in progress. Hot water riser pipes and erected for U1and that for U2 is in progress. Fan and motors erected and testing completed. - 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 erected for U1but bottom ash handling system is not completed. Civil works are in progress in Slurry and ash water pump houses. - RWPH: Jetty construction is in progress. Roof slab is to be casted. Pipe laying is in progress. About 750 m stretch is disputed land. Pumps and motors are available at site. - CWPH: Fore bay, CW channel, CW pipe lines completed. ACWPH building completed and pumps erected. CW system for U-1 completed and that for U-2 is in progress. - RO/DM: Building completed. All equipment erected. Testing and commissioning is in progress. One stream would be ready by end Sept15. - FOPH: Erection of LDO & HFO tanks 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 completed. - U-1 - Blr: erection started on 29-10-12. HT conducted on 10-09-14. BLU completed on 10-08-15. 20543 MT structural material and non-pressure parts erected. 9190MT pressure part erected. Flue gas ducting at ESP outlet is in progress. - ESP: Mechanical erection is completed. 9425/9500 structural material erected. Roof insulation is completed and in progress on outer portion. Control room construction completed. - TG: HPT, IPT and LPT alignment completed. Oil flushing completed in 09/15. Final box up completed in 11/15. TG put on barring gear. Unit synchronized on 09-02-2016. - U-2 - Blr: Blr erection started on 03-12-12. HT conducted on 30-12-14 Non drainable HT expected in 02/16. Light up expected in 02/16. Erection of mills, PA, FD & ID fan erection completed. Erection of pressure parts and structure & non-pressure parts completed. - ESP: 9255/9500 MT structural material erected. Mechanical erection of ESP and emitting electrodes completed. Insulation and cladding is in progress. Fly ash evacuation piping erection is in progress. - TG: 85 % equipment received. Erection is in progress and 74% erection completed. 1300/1709 pipe welding joints completed. TG lube oil pipe erection is in progress. Generator stator erection completed, exciter yet to be received.
Unit-1	800	01/14	2014	02/16	03/16		
Unit-2	800	04/14 07/14 10/14	2014	02/16 03/16 04/16	05/16		
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. 1130000.00 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 2015-16 (Up to 01/16)		: Rs. 137281.00 Lakh					
Total Expenditure		: Rs. 10381.29 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		: Placed on M/s BHEL (BTG) on 09.04.10 with agreed BOP'					
Boiler- Alstom / BHEL		: Civil works awarded to M/s Prasad & Co. and M/s Coastal Project Ltd for U-1 & U-2 respectively.					
Tur - Siemens / BHEL							
Gen - Siemens / BHEL							
Zero Date		: 09-04-2010					
PPA		: Discussions initiated with ESCOMS of Karnataka on 18-12-2010.					
Critical Areas		1. Completion of CHP and AHP 2. Raw water pipe line outside the project premises in 1.5 kM stretch for which compensation to be paid. 3. Supply of exciter of Unit-2					

BROAD STATUS OF THERMAL POWER PROJECTS (PVT.) IN TAMIL NADU

BROAD STATUS OF THERMAL POWER PROJECTS (T.V.) IN TAMIL NADU							
Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As now Expected		
			Syn. Com	COD	Syn. Comm	COD	
14.	PRIVATE SECTOR						
	Mutiara TPP (Coastal Energen) (Distt. Tuticorin) T.N.	1200					• Land: Entire land of 875 Acres is in possession for the project. • MOEF clearance obtained on 05.05.2009. • Civil Aviation clearance obtained on 16.05.08 • SPCB clearance obtained on 03.03.2009 • BPTA signed with PGCIL on 24.02.2010. • CRZ clearance obtained on 10.08.09 • Chimney: Work awarded to M/s Gammon India on 12.11.09. Shell and Flue-cans erected. Bitumen coat works completed. Chimney is ready for use. • CHP: Order placed on M/s TKIIL on 18-03-10. All works completed for unit-1 and is in use. Trial run for mills 1, 2 & 3 is being done for unit-2. • AHP: Order placed on 09-009-10. All fly ash silos completed. Scrapper chain conveyor work is in progress. C&I work is in progress for U2. Ash bund is ready. • IDCTs: cooling towers are ready for use for U-1. C&I work is in progress for U2 • RWPH: RW PH completed and pumps & motors erected. • PT Plant: Clariflocculator civil work completed. Equipment erected • DM Plant: RO/ DM plant is completed and is ready for use. • CW system: Order placed on 11.10.10. CW system is ready and is in operation for U1. Pump erection is in progress for U2. • FO system: FO system is ready and is in operation for U1. • Fire Protection: Pipe erection completed. Hydrant system erection is in progress in some areas of U-2. Sprinkler system for transformer yard is in progress. • Switchyard: Switchyard is ready for use in all respect. It is charged Unit-I • Blr: Erection started in 12/10. Blr drum lifted on 07-07-11. Boiler completed with all auxiliaries. HT: conducted on 02-06-12 / 08-05-13. • BLU: conducted on 25-03-14. SBO: completed in 7/14 • ESP: Erection, testing and commissioning of ESP is completed. • TG: Box-up: Completed on 15-06-14. Unit synchronized on 07-09-14. Full load achieved on 02-12-14. COD declared on 23-12-14. Unit-II • Blr: Erection started in 01/11 & drum lifted on 10-10-11. Erection of pressure parts, PA/FA / ID fans and bunkers completed. HT done on 15-07-13. BLU: done in 08/15, SBO: completed in 11/15 • ESP: erection of ESP completed. Cladding and sheeting is in progress. Testing done. • TG: Generator stator lifted and positioned. TG erection started in 12/11. Boxed up in 10/15. Oil flushing completed in 12/15. Unit synchronized on 26/12/15(180MW).and commissioned on 02/01/2016.
	U-1	600	12/11 02/12	02/12	9/14(A) 12/14-A	12/14	
	U-2	600	02/12 03/12	03/12	26/12/15 02/01/16	01/16	
	Date of Sanction	: 10.09.2007					
	Date of financial closure	: 02.07.2009					
	Original Estimated cost	: Rs. 480000 Lakh / 515800 Lakh					
	Latest Estimated cost	: Rs. 787000 Lakh					
	Expd. during 2007-08	: Rs. 957 Lakh					
	Expd. during 2008-09	: Rs. 16689 Lakh					
	Expd. during 2009-10	: Rs. 50886 Lakh					
	Expd. during 2010-11	: Rs. 118638 Lakh					
	Expd. during 2011-12	: Rs. 145130 Lakh					
	Expd. during 2012-13	: Rs. 147469 Lakh					
	Expd. during 2013-14	: Rs. 39422 Lakh					
	Expd. during 2014-15	: Rs. 83000 Lakh					
	Expd. during 2015-16 (Up to 10/15)	: Rs. 59109 Lakh					
	Total Expd. (10/15)	: Rs. 7013.00 Crores					
	Type of fuel	: COAL					
	Date of Main Plant Order	: 25.02.2009 (BTG) on M/s Harbin Power Engg. Co. Ltd. China.					
	Financial Closure	: Achieved on 02-07-2009 with SBI as the lead bank					
	Zero Date	: 06.08.2009					
	Fuel Linkage	: The Company has entered into Fuel Supply Agreement (FSA) with M/s Coal & Oil, Dubai for Supply of Entire Coal requirement for the Project, on 26 th June 2008. Domestic Coal Linkage has also been sought from the Ministry of Coal, GOI.					
	Associated Transmission System	: LILO of 1 Ckt of 400 KV Madurai,-Tutucorin (JV) D/C line at Energen's Power Plant to draw start-up Power and Evacuate Power until the complete Transmission system is established. :BPTA signed on 24-02-10					
	BPTA PPA	: PPA signed for 700 MW power with Tata Power Trading Company Ltd on 28-11-08 . PPA signed with TANGEDCO for 558 MW on 14-11-13.					
Critical Areas	1. Unseasonal heavy rainfall affected the progress. Reduction in work force in April/May 2011 due to elections in the State 2. Civil work affected due to non availability of sand for concreting as policy was regulated 3. Availability of construction water effected due to ban on ground water extraction in the project locality 4. Supply of BTG equipment was delayed by M/s Harbin Power Engineering Company, China 5. Disbursement of additional term loan due to problems in power sector						

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

13.	Tuticorin TPP (Ind. Barath Power Limited) Tamil Nadu	660					• Land: Total land of 880 acre acquired • Water: Agreement between IBPML and South Ganga was signed on 03-04-2010. • MOEF: clearance obtained on 12-07-2010. • SPCB: Consent obtained on 17-10-2013. • Civil Aviation: clearance obtained on 24-08-10 • PPA: To be executed through case –I bidding. • BPTA: signed with PGCIL on 24.02.2010. • Chimney: Awarded to simplex Infrastructure. Foundation raft concreting is in progress. • CHP: Order placed on Sokeo Power. Works to start from 09/14. • AHP: Order placed on Sokeo Power. Drawings under finalization. Supplies are expected in 09/17. • ACC: Order placed on HAC China. Drawings under finalization. ACC foundation works in progress. • M/s Consolidated Construction Consortium Limited have been awarded main plant civil & structural work on 14-12-10. Civil work started • WTP: Order placed on Sokeo Power. Engineering works in progress. • DM Plant: Technical discussions are in progress. • CW system: Order placed on Sokeo Power. Technical specification verification is in progress. • FO system: Engineering is under progress. • FPS: Foundation works completed. Erection works to start from 01/16. • Switchyard: Engineering in progress. Unit-I • Blr: All civil foundation completed. Structural fabrication and erection to started. Erection to start from 01/16. • ESP: All civil foundation work completed. Structural fabrication started. Erection started. • HT: expected in 10/16 • BLU: expected in 02/17. • SBO: expected in 07/17. • Condenser: erection to start in 08/16 • TG: All civil foundation completed. TG erection works to start from 01/16. Oil flushing is expected in 02/17. • Box up: expected in 02/17.
	U-1	660	03/12 05/12	05/12	06/17 10/17	12/17	
Date of Sanction		: 10.09.2007					
Date of financial closure		: 24-02-2011					
Original Estimated cost		: Rs.359500 Lakh					
Latest Estimated cost		: Rs.359500 Lakh					
Expd. during 2010-11		: Rs. 17000 Lakh					
Expd. during 2011-12		: Rs 2000 Lakh					
Expd. during 2012-13		: Rs 31000 Lakh					
Expd. during 2013-14		: Rs. 9000 Lakh					
Expd. during 2014-15		: Rs. 91000 Lakh					
Expd. during 2015-16 (Up to May 2015)		: Rs. 500 Lakh					
Total Expenditure		: Rs. 2000.00 Crores					
Type of fuel		: COAL					
Date of Main Plant Order		: 28-05-2010 (BTG) on M/s Shandong Runch Power Plant Engg and Technology Limited.					
Zero Date		: 25-03-2010 / April 2012					
Financial Closure		: Achieved on 24-02-2011					
Fuel Linkage		:Coal linkage / FSA signed with Mahanadi Coal Fields on 23-11-10					
PPA		:Participating in the Bids					
Power Evacuation System		: BPTA signed with PGCIL on 24-02-2010. LTOA signed with PGCIL on 12-06-2013.					
Critical Area							

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A)/ As Expected			
			Synch Comm	COD	Syn. Comm	COD		
16.	IL&FS TPP at Cuddalore Distt., in Tamil Nadu U-1	1200					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s Shandong Tiejun Electric Power Engg. Co. Ltd. (SEPCO-III) on 22/12/10. - CPCB & MOE&F Clearances obtained. - Civil Aviation: clearance obtained on 275 meters chimney height. Chimney: L&T-98% Completed. - CHP: (L&T). Almost 95% work completed. - AHS-(L&T) Around 80% work completed.. - CW System / PT/DM plant & Cooling Towers: Awarded to L&T / Simplex PT / DM Plant common for U-1 & 2 and are complete in all respects. CW / CT almost 90% work completed. - FO System: (L & T) around 90% work completed. - Switchyard: (L & T) Around 90% work completed. - Boiler-1 (M/s SEPCO-III) Erection commenced on 28/12/12. Boiler drum lifted on 22/07/13. HT done on 17.10/14 & BLU done on 01/08/15. SBO completed on05/08/15. - TG &Condenser-1: Condenser erection started on 05/08/13 and TG erection started on 01/03/14. TG boxed up on 28/15 & Oil Flushing completed on 07/07/15. - Unit was synchronized on 01/09/15 and achieved full load on 19/09/15. COD declared w.e.f. 29/09/15. - Boiler-2 (M/s SEPCO-III) Erection commenced on 01/02/2013. Boiler drum lifted on 19/08/2013. HT done on 26/09/2015 & BLU & SBO completion expected in 03/16. - TG & Condense-2: Condenser erection started on 05/10/13 and TG erection started on 06/06/15. TG boxed up on 20/12/15. Synchronization & full load expected by 03/16. - FGD plant erection is in progress and completion expected by 05/16.	
	600	03/14 03/14	05/14	01/09/15 19/09/15	29/09/15			
	600	07/14 07/14	09/14	02/16 03/16	03/16			
	Date of Sanction	:						
	Sanctioning Authority	:						
	Org. Est. cost	: Rs.1060000 Lakh (Inclusive of cost of captive mine at Indonesia, FGD plant as per MoE&F stipulation Land cost of phase-I & II, common coal stock yard facilities dedicated port & dedicated transmission line (47km))						
	Revised Estimated Cost	: Rs Lakh						
	Expd. during 2010-11	: Rs - 32543 Lakh						
	Expd. during 2011-12	: Rs - 110074 Lakh						
	Expd. During 2012-13	: Rs - 93706 Lakh						
	Exp. During 2013-14	: Rs. 272014 Lakh						
	Exp. During 2014-15	: Rs. 103596 Lakh						
	Exp. During 2015-16 (up to 09/ 2015)							
Cumm. Expend. (up to 09/ 2015)	: Rs 872749 Lakh							
Type of fuel	: COAL Long term FSA for imported coal from Indonesia.							
Date of Main Plant Order	: 22/10/2010 (EPC) on M/s SEPCO-III, China							
Zero Date	: 15/02/11.							
Critical Areas								

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As Expected		
			Synch Comm	COD	Syn. Comm	COD	
17.	Neyveli New TPP	1000					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on for SG & Auxiliaries on 31/10/13 and TG & Auxiliaries on 23/12/13 - PPA signed for 25 years with AP- 113.77 MW, Karnataka 70.54 MW, Kerala 32.38 MW, Tamil Nadu 653.07 MW and Puduchery 4.24 MW. MOE&F Clearances obtained on 26/11/15. CPCB on 21/01/12 & &respectively. Civil Aviation: clearance obtained on 25/11/09 CHP: (M/ EPIL) Stacker and reclaimers: Excavation, PCC & RCC foundation work are in progress. Pre-casting of boundary wall pole, panel & fabrication of fencing pole is in progress. Conveyors junction tower civil foundation work is yet to commence. AHS- Order was placed by M/s EPIL to M/s Meacawber Beekay on 02/02/15. Silo drawing was approved cat – 2 (AAN). Silo work commenced on 04/11/15. CW System: Awarded to M/s EPIL on 30/04/14 and further to M/s KBL on 20/01/15. Design and Engg. works are in progress. RO/DM plant: Awarded to M/s EPIL on 30/04/14. Civil works are in progress. FO System: Awarded to M/s BHEL on 31/10/13, civil works are in progress. Switchyard: Awarded to M/s EPIL on 30/04/14. Civil works are in progress both in 200 Kv GIS and 400 Kv GIS halls. . Boiler (M/sBHEL): Erection commenced in SG & ESP area, So far 2938 /5130 MT in U-1 and 2753/5130 MT in U-2 ESP area erection completed. TG & Condenser: TG deck work is in progress, One no. EOT crane work completed. TG & Aux. erection will be taken up in May, .2016 after completion of TG deck & availability of EOT crane.
	M/s Neyveli Lignite Corporation Ltd. at						
	Neyveli in U-1	500	<u>05/15</u>	06/15	<u>10/17</u>	12/17	
	Tamil Nadu U-2	500	<u>06/15</u> <u>11/15</u> <u>12/15</u>	12/15	<u>11/17</u> <u>04/18</u> <u>05/18</u>	06/18	
	Date of Sanction	:					
	Sanctioning Authority	:					
	Org. Est. cost	: Rs.	590711	Lakh			
	Latest cost	: Rs.	590711	Lakh			
	Expd. during 2011-12	: Rs -	1447.15	Lakh			
	Expd. during 2012-13	: Rs -	1353.19	Lakh			
	Expd. During 2013-14	: Rs -	31114.26	Lakh			
	Exp. During 2014-15 (up to 08/ 2013)	: Rs -	44560.23	Lakh			
	Exp. During 2015-16 (up to 11/ 2015)	: Rs -	58901.83	Lakh			
Cumm. Expend. (up to 01/ 2016)	: Rs-	137376. 66	Lakh				
Type of fuel	:	Lignite					
Date of Main Plant Order	:	SG & Auxiliaries on 31/10/13 and TG & Auxiliaries on 23/12/13 on M/s BHEL					
Zero Date	:	09/06/11					
	FUEL LINKAGE: Lignite is from NLC Mine 1 & 1A. <u>Evacuation of power</u> Evacuation of power and drawing of start up power, 400 Kv and 220 Kv switchyard are to be provided.						
Critical Areas							

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As Expected		
			Synch Comm	COD	Syn. Comm	COD	
18.	TuticorinTPP St-IV/M/s SEPC Power Pvt.Ltd. (Distt. Tuticorin) U-1	525	07/18 09/18	10/18	-	-	• Main Plant Package Awarded on EPC basis to M/s MEGHA Engg.and Infrastructures Ltd. ("MEIL") on 18.01.14. M/s MEIL in turn awarded the BTG package to M/s BHEL on 30.10.2015. • CPCB & MOE&F Clearances obtained and valid upto 10./11/18 and 03/11/17 respectively. • Civil Aviation: Clearances obtained and valid upto1 8./12/16. • PPA signed with TANGEDCO and approved by TNERC. • For power evacuation 2x400 Kv line has been approved by TANGEDCO and is to be implemented by TANGEDCO/ TANTRANSCO. • CHP, AHP, CT, Chimney, PT and DM Plant, CW system, Fuel oil system and all other systems related to power evacuation k, switchyard including C&I, Fire protection system, air-conditioning & ventilation etc. are all awarded to M/s MEL on 18.01.14. It is the all part of EPC package • Boiler: (M/s MEIL) M/s MEIL in turn awarded the BTG package to M/s BHEL on 30/10/15 ant main plant civil work to M/s L&D Geo Structures Ltd. M/s MEIL has already Mobilized at site and have created the required construction infrastructure. •
Date of Sanction		:					
Sanctioning Authority		:					
Org. Est. cost		:	Rs. 351400 Lakh				
Latest cost		:	Rs. 351400 Lakh				
Expd. during 2013-14		:	Rs 7231 Lakh				
Expd. during 2014-15		:	Rs 1513 Lakh				
Expd. During 2015-16 (up to 12/ 2015)		:	Rs 33556 Lakh				
Cumulative Expenditure (up to 12/ 2015)		:	Rs . 42300 Lakh				
Type of fuel		:	COAL Imported coal to be tied up in 6 months.				
Date of Main Plant Order		:	18-01-2014(EPC) on M/s MEIL & in turn BHEL for BTG.				
Zero Date		:	30/10/2015				
Critical Areas							

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As Expected		
			Synch Comm	COD	Syn. Comm	COD	
12.	Ennore SCETPP TANGEDCO (Distt. Thiruvallur) U-1	660	<u>10/17</u> <u>01/18</u>	01/18	<u>08/18</u> <u>09/18</u>	-	- Letter of Acceptance for Main Plant Order (EPC) issued to M/s LANCO on 05/14. LANCO in turn placed order on Dong Fang Electric Corpn., China on 18.02.15. MOE&F Clearances obtained on 18/09/2014. SPCB clearance obtained on 18/02/13. Civil Aviation: clearance obtained on 16/05/2008 - Water allocation: Sea water is available near the project. Cooling water consumption to be drawn from Sea is 1,33,896 m3/day. - PPA:PPA does not arise as the entire power is to be utilized by TANGEDCO. Regarding Power Evacuation system is under TANRANSCO scope. CHP: Awarded to FL SMIDTH (P) Ltd and Chennai on 23.04.15. The soil investigation work commenced on 1.8.2015. NOC/ROW (Statutory clearance) approval has been obtained from PWD for routing ECHS from North Chennai to project site through Ennore Creek. LITL remitted the Lease rent & refundable caution deposit to PWD on 26.11.15. The CE / PWD recommended the proposal for the waiver of track rent to Government on 18.11.2015 and orders from GoTN is pending. NDCT: Awarded to M/s HamonThermal Europe S.A on 05.05.15. Out of 767 working piles balance 1 No to be completed. The earth work excavation for pile cap commenced on 15.10.2015 and pile chipping commenced on 16.12.15. Basin piling work under progress. CW System: Awarded to Kirloskar Brothers Ltd and Sea water intake & outfall system-off shore to M/s Coastal Marine construction and Engineering Ltd, Mumbai on 07.09.15. Intake pump house earth excavation under progress. The earth work excavation in cooling water intake pump house was commenced on 7.09.2015 and in progress. LITL committed to complete the permanent marking along the route by 31.12.15. Obtaining approval from various departments is a time consuming process hence M/s LITL was requested to arrange statutory clearance from Railways, Highways, Chennai Corportion, TNHB and etc., as early as possible. PT/DM plant: Awarded to M/s Tech Universal U.K and M/s Pennor Enviro Ltd – Hyderabad on 27.10.15. Piling work under progress.. FO System: Award to M/s General Mechanical Works Pvt. Ltd – Vadodara on 12.10.15. Chimney: Awarded to LITL, Gurgoan. Chimney raft casting commenced on 22.07.2015 and all 8 nos. completed. Shell fabrication of slip form work is under progress. Switchyard: Switchyard and related electrical systems are yet to be awarded. Boiler (M/s Lanco): Civil work commenced on 16/02/15. TG & Condenser: Civil work commenced on 18/06/15
Date of Sanction							
Sanctioning Authority		: Govt. of Tamil Nadu					
Org. Est. cost		: Rs. 495600 Lakh					
Latest cost		: Rs. Lakh					
Revised Estimated Cost		: Rs Lakh					
Expd. during 2014-15		: Rs - 23970 Lakh					
Expd. during 2015-16 (up to 12/ 2015)		: Rs - 8945 Lakh					
		:					
Cumm. Expend. (up to 12/2015)		: Rs- 32915 Lakh					
Type of fuel		: COAL					
Date of Main Plant Order		: 05/2014 (EPC) on M/s LANCO and lanco in turn awarded to Dong Fang electric corporation, China on 18/02/15					
Zero Date		: 14/07/2014					
FUEL LINKAGE: <u>Evacuation of power</u>							
Critical Areas							

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As Expected		
			Synch Comm	COD	Syn. Comm	COD	
11.	Ennore SEZ SCTPP TANGEDCO (Distt. Thiruvallur)	1320					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 27.09.14. Boiler (M/s BHEL): Design & Engineering work, site leveling and site office work are in progress.
	U-1	660	<u>01/18</u>	03/18	<u>09/18</u>	-	
	U-2	660	<u>01/18</u>		<u>09/18</u>		
			<u>03/18</u>	05/18	<u>02/19</u>		
			<u>03/18</u>		<u>03/19</u>		
	Date of Sanction		: 12.12.2005				
	Sanctioning Authority		: Govt. of Tamil Nadu				
	Org. Est. cost		: Rs. 980000 Lakh				
	Latest cost		: Rs. Lakh				
	Revised Estimated Cost		: Rs Lakh				
	Expd. during 2010-11		: Rs - Lakh				
	Expd. during 2011-12		: Rs - Lakh				
	Expd. During 2012-13		: Rs - Lakh				
	Exp. During 2013-14 (up to 08/ 2013)		: Rs - Lakh				
	Cumm. Expend. (up to 08/ 2013)		: Rs Lakh				
	Type of fuel		: COAL(Mahanadi coal fields)				
Date of Main Plant Order		: 27.09.14. (EPC) on M/s. BHEL					
Zero Date		:					
FUEL LINKAGE: <u>Evacuation of power</u>							
Critical Areas							

Eastern Region

BROAD STATUS OF THERMAL POWER PROJECTS IN BIHAR
(M/s JAS INFRASTRUCTURE & POWER LTD)

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
1.	Siriya Thermal Power Project, Village.: Siriya, Distt: Banka (Bihar) (JAS INFRA)	2640					Boiler, Turbine & Generator (BTG): Manufacturing & Supply of BTG equipments, BTG material handling at port, Supervision of BTG erection, testing and commissioning job, mandatory spares of BTG by M/s. Dong fang Electric Corporation Ltd., China. Unit-1: Civil foundation of boiler, ESP & Chimney completed. Civil foundation of PHB & Mill-Bunker building under progress. Civil Foundation of PA fan under progress. 2730 MT Structural Steel in PHB erected. Fabrication of 9000MT Structural steel completed. Unit-2: Boiler foundation work was started. Unit-3: Civil works yet to start. Unit-4: Civil works yet to start. Presently no work is in progress at site.
	Unit-1	660	08/14		**		
	Unit-2	660	12/14		**		
	Unit-3	660	04/15		**		
	Unit-4	660	08/15		**		
	Zero date : 30.03.2011						
	Investment approval. : NA						
	Estimated cost : 11,120.00 Cr.(extracted from MOE&F Clearance letter NO. J-13012/89/2008-IA.II(T) dated 29.06.2011						
	Main Plant order Date : NA						
	<u>MOE&F Clearance</u> : MOE&F Clearance received vide letter NO. J-13012/89/2008-IA.II(T) dated 29.06.2011 <u>SPCB Clearance</u> : NOC for consent to establishment obtained from BSPCB. <u>Civil Aviation Clearance</u> : Aviation Clearance has been obtained from Airport Authority of India. Supply of BTG Equipment: M/s Dong fang Electric Corporation Ltd., China						
			** Commissioning schedule will be assessed after restart of work at site				

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.	Barauni ExtnThermal Power Station, P.O.: Barauni, P.S.: Barauni, Dist: Begusarai (Bihar) PIN – 742237	500					Land: required land acquired. except land required for ash dyke. Water Allocation: Approval for 60 cusec water from River Ganga has been obtained from Irrigation Department, Govt. of Bihar. Approval for 45 cusec water from River Ganga has also been received from Central Water Commission. MOE&F Clearance: MoE&F clearance obtained on 08.05.14. Civil Aviation Clearance: Aviation clearance obtained from AAI. Chimney: Completed in all respect including aviation light. CT: U#8:8/12 shell civil work & mechanical and electrical erection in progress. U#9:5/12 shell civil work completed.
	Unit-8	250	02/14 05/14		06/16 08/16	12/16	CHP: Crusher house fabrication completed and erection is in progress.SCR erection of rail track completed. AHP: Order for civil work placed on M/s McNally Bharat.Vacuum pump house equipment erection under progress.
	Unit-9	250	04/14 07/14		10/16 11/16	12/16	DM and PT plant: RCC piling completed. Equipment foundation work under progress.
	Zero date	: 11.03.2011					
	Investment approval.	:					
	Original Estimated cost	: Rs. 366606.00 Lakhs					
	Revised Estimated cost	: Rs. 5308007.00 Lakhs					
	Exp. During 2006-07	: Rs 5.00 Lakhs					
	Exp. During 2007-08	: Rs 0.00 Lakhs					
	Exp. During 2008-09	: Rs 25.00 Lakhs					
	Exp. During 2009-10	: Rs 0.00 Lakhs					
	Exp. During 2010-11	: Rs 12498.00 Lakhs					
	Exp. During 2011-12	: Rs 25953.00 Lakhs					
	Exp. During 2012-13	: Rs 68055.00 Lakhs					
	Exp. During 2013-14	: Rs. 152967.00 Lakhs					
	Exp. During 2014-15	: Rs. 78391.00 Lakhs					
	Exp. During 2015-16	: Rs. 45855.00 Lakhs					
	Total Expenditure: (up to 01/16)	: Rs. 386348.00 Lakhs					
	Zero Date	: 11.03.2011					
	Main Plant order Date	: The order for EPC was awarded to M/s BHEL on nomination basis on 11.03.2011.The associated works like water infrastructure, rail infrastructure etc. to be taken up separately through tendering process. M/s EVONIK – ES Pvt Ltd , Noida is the consultant .					
	PPA	Dt. 31.12.2010.					
	Power Evacuation System	LILO at Barauni of Begusarai-Biharsarif 220KV D/C done. Power evacuation system expected to be ready by Dec-2015.					
	Critical Areas	Critical Area: 1. Land for Ash dyke: : Acquisition of balance land of 290 acres 2. Readiness of CHP 3. Readiness of Ganga Water System 4. Readiness of Railway siding 5. DM& PT Plant					

**BROAD STATUS OF THERMAL POWER PROJECTS IN JHAKHAND
PRIVATE SECTOR**

Sl. No	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As Expected		
			Syn. Comm	COD	Syn. Comm	COD	
1	Matri Shri UshaTPP (Corporate Power Ltd.) (Distt. Latehar) Jharkhand	1080					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 09/2009. BOPs are common for both units of Phase-I. Cooling towers, chimney, PT plant, DM plant, CW system, Fire protection system Fuel oil system & Switch yard completed. CHP- 90% structure erection completed &equipment erection is in progress. AHP- FA silo completed. Erection of Bottom Ash Hopper and foundation work of HCSD pedestal is under progress. - Station transformer, Generator Transformer & Unit Transformers placed on foundation and erection of associated systems is in progress. ATS balance work is to be taken up after stage – II Forests clearance is obtained. Phase-I Unit-1: Boiler: Erection started on 05/10/10. Boiler drum lifted on 31/03/11. HT done on 28/12/11. TG: condenser erection started on 25/05/11, Turbine erection started 15/6/11. TG boxed up in 10/12. - Erection of 3/6 bunker completed. 3/6 mills received at site &erection is in progress. Unit-2: Boiler: Erection started on 19/12/10. Boiler drum lifted on 19/07/11 HT completed on 10/12. Total 10500 joints completed. TG: condenser erection started on 24/08/11, Tube insertion is under progress Turbine erection started 13/10/11. HPT & IPT placed and erection of LPT is in progress. Phase-II Unit-3: Boiler: Erection started on 06/11. Boiler drum lifted on 12/11 TG: TG erection started in 10/12. BoP's civil work and erection works are under progress. Phase-II Unit-4: Boiler: Erection started on 07/11. Boiler drum lifted on 04/12 TG: TG deck is ready for handing over. BoP's civil work/ erection works are under progress.
	Phase-I U-1	270	03/12	05/12	*		
	U-2	270	04/12	06/12	*		
	Phase-II U-3	270	05/12	10/12	*		
	U-4	270	09/12	01/13	*		
			10/12				
			12/12				
			01/13				
	Org. Est. cost	: Rs. 2900 Crores	Rs. 3182 Crores				
	Total Expd.	: Rs. 3120 Crores (till 15.11.12)	Rs.2207 Crores (till 30.09.12)				
	Type of fuel	: COAL					
Date of Main Plant Order	: 09/2009 for Phase-I and 12/2009 for Phase-II(EPC) on M/s BHEL						
Financial Closure	: Achieved on 05/12/2009 for Phase-I and on 28/03/2011 for Phase-II.						
Zero Date	: 09/2009						
	*Work held up due to payment issue to BHEL since 11/12. Commissioning Schedule will be assessed after restart of work.						
	Company vide letter dated 10.01,15 intimated that as per their latest assessment the U-1 will be commissioned by 03/16 and subsequent units after a gap of three months each i.e. 06/16, 09/16 and 12/16 respectively.						
Critical Areas		1.Associated Transmission System for a short distance is to be taken up after Stage-II forest clearance is obtained.					

**BROAD STATUS OF THERMAL POWER PROJECTS IN JHARKHAND
PRIVATE SECTOR**

Sl. No.	Project Details	Capa-city (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A)/ As Expected			
			Syn. Comm	COD	Syn. Comm	COD		
2	Tori TPP Essar Power (Jharkhand) Ltd. Distt. Angarha Latehar Jharkhand	1800					Land 1210 acres of land required for both the Phases 1&II of (2x600 +1x600 MW) is available. BOPs are common for both units. MOEF clearance already available for U-I of Phase-I. Clearance for 2 of Phase-I and U-3 Phase-II received vide MOEF letter da 14.11.2013. Civil Aviation Clearance: NOC for height of chimney is valid till 21.07.2020 SPCB: Clearance obtained from JSPCB is valid till 31.03.2016 Coal: Due non availability of MOEF clearance for the Chakla & Ashok Karkatta coal block allotted to this project it is proposed to import coal from Indonesia & Australia for the time being. Water Source of water is from Damodar and Amanat rivers which are 20 &30 KMs from the site. Chimney: M/s Essar Projects India Ltd.-18/08/2010,Windshield work completed. Flue can fabrication 60% completed. CHP: M/s Elecon engg & Mcnally Bharat Engg.Co. on 31/08/2010 and 22/11/10. Received at site. AHP: Basic engineering completed. HCSD pumps delivered at Indian port. CT: M/s SPIG Cooling Tower India Pvt. Ltd. Manufacturing under progress PT & DM Plant: Manufacturing and delivery is in progress.40% material received. Switch yard:- M/s Alstom T&D-22/12/10, manufacturing in progress,50% of material ready for dispatch at vendor's workshop. FPS: M/s Brijbasi Hi-tech Udyog Ltd. Detailed engineering is in progress. all equipment to be ordered separately. Phase-I Unit-1: Boiler: Boiler erection started in 04/12. Boiler structure work under progress. Drum lifting expected by 03/16 ESP: Foundation work completed. HT expected in 06/16. TG Civil work started in 31.05.12; hall foundation completed/ deck foundation is in progress. TG building structural fabrication completed and ready for erection. Synchronization expected in 11/16. Unit-2 Boiler: Erection started in 6/12 and drum lifting expected by 04/16. HT expected in 10/16. TG: TG civil work started on 15/06/11. TG erection start expected in 12/16. Phase-II Unit-3 –Work not yet started.	
	U-1 Phase-I	600	05/12 07/12	07/12	11/16 12/16	01/17		
	U-2 Phase-I	600	08/12 09/12	10/12	5/17 6/17	7/17		
	U-3 Phase-II	600	10/15 12/15	12/15	2018-19	-		
	Equity: Debt	1470:4270						
		Phase-I	Phase-II					
	Org. Est. cost (Phase I)	: Rs.570000 Lakh		Rs. 250000 Lakh				
	Expd .during 2009-10	: Rs. 10641 Lakh		Rs. Nil				
	Expd. during 2010-11	: Rs. 42437 Lakh		Rs. 2825 Lakh				
	Expd. during 2011-12	: Rs.162489 Lakh		Rs. 13845 Lakh				
	Expd. during 2012-13	: Rs. 32446 Lakh		Rs. 3172 Lakh				
	Expd. during 2013-14	: Rs. 96502 Lakh		Rs. 4760 Lakh				
	Expd. during 2014-15	: Rs. 43838 Lakh		Rs. 63 Lakh				
	Total Expenditure (Till 11/15)	Rs.3883.53 Cr. (till 6/15)		Rs.246.65 Cr(till 3/15)				
	Type of fuel	: COAL (Chakla &Ashok Karkatta coal blocks)						
	Date of Main Plant Order (BTG)	: 18/08/2008 Main plant Civil & Structural work by Essar Projects (I) Ltd. (BTG) on M/s Harbin Power (HPE) Engineering, China in 11/2008 for Ph-I. BTG on HPE & Main plant Civil works on EPI Ltd on 26/02/2010 for Ph-II.						
Financial Closure	:Achieved							
Power Purchase agreement	1.450MW+300MW with BSEB 2.PPA signed with JSEB for 12% of the total power generated at variable cost under MoU route 3. Draft PPA submitted to JUVNL for 13% of the total power generated at JSERC rates under MoU route.							
Power Evacuation System	BPTA signed with PGCIL and bay agreement executed. PGCIL is setting up 400KV substation near the project.							
Critical Areas		Mega Power Project status is yet being issued from MoP due to which 97% imported main plant equipment are lying at site/ Port. Tapering coal linkage. Reasons for Delay:- Delay in MoE&F Clearance` (14.11.2013 for U2 & U3), Change of design in water cooled condenser to air cooled condenser due to water availability issue, Law & order issue, delay in grant of Mega power project status, cancellation of coal block and non availability tapering / long term coal linkage etc.						

BROAD STATUS OF THERMAL POWER PROJECTS IN ODISHA

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
A.	PROJECT UNDER CONSTRUCTION						
	PRIVATE SECTOR						
1.	Ind Barath TPP M/s Ind-Barath Energy (Utkal) Ltd. (Distt-Jharsuguda)	700					Land: Required land acquired MOEF: Clearance of MOEF has been obtained dt.30.11.2009 Water: Approval to draw water from Mahanadi river obtained on 23.02.2008 SPCB: Clearance obtained from Orissa SPCB 13.08.2010 Civil Aviation: Clearance obtained from AAI on 14.07.09 Chimney: Completed for both the units. CT: completed for U-1 and that for U-2 is in progress. CHP: structural erection completed and electrical work in progress, Track hopper completed Bunker & Liner erection completed, feeder erection completed AHP: U-2 BAH and F/A expected in 04/16. PT Plant: completed DM plant: Ready to use. CW system: completed and ready for functioning. FO System: for U-1 & U-2 completed. Switchyard: completed in all respect and charged. Unit-1: Boiler: Boiler erection started in 01/11, Erection of feeders & tripper, all bunkers & Liners erection and mills completed. SBO completed on 15.12.14, Flame establishment problems are being attended presently. Drum: lifted on 30.5.11, HT completed on 24.05.12. BLU: Completed on 9.01.15. boiler to be relighted on 21.02.2016 ESP: work completed TG: TG erection commenced in 5/12. TG boxed up on 23.05.14, Oil flushing completed on 10.10.14. Unit synchronized on 17.06.15, now unit-I under commissioning process. Unit-2: Boiler: Boiler erection started in 05/11, Mills erection completed, Feeder, Bunker and liner erection completed. Drum: Drum lifted in 12/11. HT completed on 20.05.14. BLU: expected in 03/16.SBO expected in 03/16. ESP: erection completed installation & cladding of ESP hopper and hot gas ducts to be done. TG: Erection of condenser completed. Turbine and generator placed in position..TG box up completed and synchronization expected in 04/16.
U-1	350	07/11 09/11	10/11	06/15 02/16	04/16		
U-2	350	10/11 12/11	12/11	03/16 04/16	06/16		
Date of Sanction / Investment Decision		29.03.2010					
Sanctioning Authority							
Est. approved cost		: Rs. 315000 Lakhs					
Latest Est. cost		: Rs. 318500 Lakhs					
Expenditure during 2010-11		: Rs. 100000 Lakhs					
Expenditure during 2011-12		: Rs. 85000 Lakhs					
Expenditure during 2012-13		: Rs. 110000 Lakhs					
Expenditure during 2013-14		: Rs. 47000 Lakhs					
Expenditure during 2014-15		: Rs. 54800 Lakhs					
Expenditure during 2015-16 (upto 01/16)		: Rs. 24200 Lakhs					
Total Expenditure		: Rs. 4210.00Cr.					
Zero date		16.05.09					
Financial closure		FC has been made with M/s. Axis Bank Ltd. on 14.05.2008					
Coal Linkage		Coal linkage obtained on 08.07.2009 (450 MW) & 12.12.2008 (250 MW)					
Order of main plant		Cethar Vessels (16.05.2009), Chinese					
PPA		PPA signed with GRIDCO on 14.9.09 & TNEB on 8.8.13.					
BoPs and civil works		Awarded to Punj Lloyd on 07.01.2010					
Power Evacuation system		Bulk Power Transmission Agreement (BPTA) with PGCIL in 24.02.2010					
Critical Areas		1.Non readiness of CHP & AHP and ATS for Unit-2 2.Establishment of flame in U-I 3. Completion of bottom ash hopper					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
B.	PROJECT UNDER CONSTRUCTION						
PRIVATE SECTOR							
5.	Lanco Babandh TPP M/s Lanco Babandh Power Ltd. (Distt-Dhenkanal)	1320					Land: Required land acquired (949 acres). MoE&F: Clearances obtained on 17.02.10 Forest: ST-II clearance received on 31.12.13 from MoEF Water: Principle approval received for 40 cusecs water for U-1 &U-2 on 07.02.09 SPCB: NOC obtained on 20.05.2011 from Odisha SPCB. Civil Aviation: NOC obtained on 03.09.08 and valid till 02.09.2020 Chimney: 252m out of 270m shell construction completed. Flue-can fabrication in progress. CT (IDCT): Cooling tower#1 foundation work is in progress. Excavation to be taken up for U-2. CHP: Track hopper raft completed, Both side walls completed.SCR excavation and raft concreting in progress.90% crusher house civil work completed. AHP: Ash water pump house foundation work completed. Raft footing completed. Wall 1 st lift completed. PT/DM plant: Foundation of DM tank 1&2 completed.DM tank-1 Erection 9m out of 13.5m completed. Clarifloculator#2 raft completed and ring wall is in progress. FO system: 2LDO fuel oil tanks erection completed.LDO2 water fill and vacuum test completed.HFO-1 3/12mtr shell erected.HFO-2 8m/12m shell erected. Switch yard: foundation completed, structural erection in switch yard is in progress. Control room upto plinth beam completed. Generator transformer foundation and fire wall completed. Unit-1 Boiler: Boiler erection started in 5/11. Ceiling girders placed in position. Welded-beam erection is in progress. Pressure part erection is in progress, all mills foundations completed. Erection of mill H is in progress. Civil work for bottom ash Hopper completed. Pressure part erection and water wall erection is in progress. BLU: Expected in 09/16 ESP: Civil work completed, side casing and electrode erection is in progress, Foundation work for ESP control room of Unit-I completed TG: TG1 deck casting completed. Floor casting in progress at 7.36mtr and 14.95mtr at AB and BC bay. Foundations of MDBFP, CEP, and Condenser completed and that for TDBFP is in progress. Unit-2 Boiler: Erection started in 9/11.Three ceiling girders placed in position Handrails and Platforms work completed at various level.ID fans erection is in progress.7/8 mills foundation completed BLU: expected in 11/16 ESP: Foundation completed. Hopper erection is in progress. Pass-A collecting electrode erection is in progress. TG: TG deck reinforcement work is in progress, PHB structural erection work under progress. MDBFP foundation completed.
U-1	660	02/13 04/13	05/13	10-16 12-16	12/16		
U-2	660	06/13 08/13	09/13	12-18 02-17	02/17		
Date of Sanction / Investment Decision		FC achieved on 09.09.2010					
Original Cost		693000 Lakhs					
Revised estimated cost		1043000 Lakhs					
Expenditure during 2010-11		133000 Lakhs					
Expenditure during 2011-12		224100 Lakhs					
Expenditure during 2012-13		74000 Lakhs					
Expenditure during 2013-14		55300 Lakhs					
Expenditure during 2014-15		62000 Lakhs					
Expenditure during 2015-16		85700 Lakhs					
Total Expenditure: (upto 01/16)		6341.00 Crore					
Type of fuel		Coal					
Fuel Linkage/FSA		Coal linkage for U-1 received on 29.12.08. FSA is to be executed.					
Order main plant		Main plant order placed on Lanco Infaratec Ltd. On 17/11/2009, Boiler: DEC China, TG: HEC China. BOPs to LTTL.					
Power Evacuation system		BPTA signed with PGCIL for 1600 MW on 24.02.10. From LBPL to pooling station Angul.					
PPA		PPA signed with UPPCL on 08.08.13 for 454MW and 374MW with RVPNL on 01-11-13 ,25% with GRIDCO odisha on 04-01-11					
Financial Closure		Achieved on 08.09.2010.					
Critical Areas		1. Work was held up due to financial constraints, now the work restarted. 2. Acquisition of Ash pond and corridor land. 3. Transfer of Govt. land to the project.					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
PRIVATE SECTOR							
3.	KVK Nilachal TPP, Kandrei Odisha M/s KVK Nilanchal Ltd. (Distt-Dhenkanal)Ph-I U-1	350					Land: Required land acquired. MOEF: Clearance obtained vide letter no.J-13011/51/20008-IA.II(T) DT.18/02/2009 Water: Allocated by GoO vide letter irr-ii-wrc-73/08/15032 dt.15.04.20008 for 48 cusec from Mahanadi. SPCB: Clearance obtained for SPCB Orissa vide letter no..26748/Ind-II-NOC-5065 dt.19.12.2008 Civil Aviation: Received AAI vide letter No. AAI/20012/131/2007-AR(NOC) Chimney: 90 mtr. Chimney shell completed. CT: Excavation completed, Raft completed CHP: awarded to M/s Energo. Excavation in ERH area completed, Raft laying completed. AHP: Engineering is in progress PT Plant: Engineering is in progress DM plant: Engineering is in progress CW system: Engineering is in progress FO System: Engineering is in progress Switchyard: Engineering is in progress Unit-1: Boiler: Boiler erection started on 20.06.11, structural erection started. Drum lifting expected in 03/15 HT expected in 11/16 BLU: expected in 15.11.16 ESP: Foundation work completed, structural erection completed upto hopper level. TG: Deck casting partially completed, Foundation of all three MDBFPs completed.
		350	10/11 12/11	12/11	17-18 17-18		
	Date of Sanction / Investment Decision	FC achieved for Ist phase of 350 MW capacity in 7/2008 & for Ph-II of 2x350 MW capacity in 8/2010					
	Sanctioning Authority						
	Est.approved cost	₹. 499000.00 Lakhs					
	Expenditure during 2008-09	₹. 11974.41 Lakhs					
	Expenditure during 2009-10	₹. 20861.15 Lakhs					
	Expenditure during 2010-11	₹. 35187.00 Lakhs					
	Expenditure during 2011-12	₹. 75226.00 Lakhs					
	Expenditure during 2012-13	₹. 15740.00 Lakhs					
	Expenditure during 2013-14	₹. 5847.00 Lakhs					
	Expenditure during 2014-15	₹. 6000.00 Lakhs (upto 03/2015)					
	Total Expenditure						
	Zero Date	09.11.2009					
	Type of fuel	Coal					
	Fuel Linkage	Received (for 1000MW)					
	Power Evacuation system	Bulk Power Transmission Agreement (BTPA) with PGCIL					
	PPA	23.07.09,15.01.11,28.09.06					
	FSA	Unit-I FSA signed on 28.08.13					
	Order main plant	BTG-Harbin, China, 09.11.09					
	Critical Areas	1.Law and order problem 2. Work held-up due to stay by honorable HC of Odisha. From 18.05.12 to 05/2015					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
B	PROJECT UNDER CONSTRUCTION						
	PRIVATE SECTOR						
5.	Malibrahmani TPP M/s Monnet Ispat (Distt-Angul)	1050					Land: 770 acre acquired out of 995 acre required. MOEF: Clearance of MOEF has been obtained Water: Water allocation done SPCB: Clearance obtained from Orissa SPCB. Civil Aviation: Clearance obtained from AAI. Chimney: Chimney shell casting completed flue can erection for U-I completed, for U-II is in progress. Two top segments erected. IDCT: Orders placed to M/s Indure On 22.02.2010. Construction of cooling tower for both the units are completed in all respect, mechanical and electrical erection work is in progress. CHP: Fabrication and erection of CHP structure are in progress along with equipment erection.. AHP: Civil work for ash slurry sump, pump house, ash water pump house and silos completed. Pipe erection is in progress. DM Plant: Civil & structural work is completed mechanical and electrical erection is in progress. PT Plant: Civil work completed, mechanical and electrical erection is in progress. CW System: Pump house completed. Pumps and associated pipe lines erection are in progress. FO System: Pump house, tank erection, pipe rack work in progress. Switchyard: Construction completed. Commissioning and testing is in progress. Fire Protection: Fire water pump house construction is completed and mechanical & electrical erection is in progress. Unit-1: Boiler: Erection started on 18.08.11. Erection of pressure part is in progress, welding of HP joints is in progress. Feeder floor casted, 4 mills installed and 4 mills are yet to installed. Drum: lifted on 21.03.12., HT completed on 3.4.13 BLU: Boiler light up expected in 9/2016. ESP: All 4 passes completed and air test done. Control room completed, panel erection and cabling done. TG: Condenser erection started on 01.08.12, Turbine erection started on 28.01.13. Generator stator erected, TG box up expected in 5/16. Unit-2: Boiler: Erection started on 10.10.11, 4 out of 8 mills are installed, foundation of PA and FD fans completed. Drum: Drum lifted 21.07.12. HT expected in 03/2016. BLU: expected in 12/16 ESP: Erection of pass B,C & D done and pass A yet to be done. TG: Condenser erection started on 7.02.13 and TG erection started in 08/2015, TG box up is expected in 09/16.
	U-1	525	10/12 12/12	01/13	09/16 10/16	11/16	
	U-2	525	12/12 02/13	3/13	02/17 03/17	4/17	
	Date of Sanction / Investment Decision	FC achieved on 23.08.2010					
	Sanctioning Authority						
	Est.approved cost	509300 Lakhs					
	Expenditure during 2010-11	63300 Lakhs					
	Expenditure during 2011-12	78292 Lakhs					
	Expenditure during 2012-13	143681 Lakhs					
	Expenditure during 2013-14	126817 Lakhs					
	Expenditure during 2014-15	120885 Lakhs (upto 12/2014)					
	Type of fuel	Coal					
	Fuel Linkage	Mandakini captive coal mines.					
	Order main plant	BHEL, 12.06.2009					
	Power Evacuation system	400KV double circuit transmission line up to proposed PGCIL pooling station, which is 31km away from power plant.					
	Power purchase agreement	PPA signed with GRIDCO for 117MW for 400 MW with West Bengal through PTC.					
		NOTE: Work is not yet started					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
B.	PROJECT UNDER CONSTRUCTION						
STATE SECTOR							
1.	Ib Valley TPP. OPGC (Village : Banaharpalli, Dist: Jharsaguda)	1320					LAND: Required land is in possession of OPGC except the 361 acre of land for ash pond which is in advance stage of possession. MOEF: EC was granted on 04.02.2010, amended on 22.01.2014 and validity extended on 16.1.2015. WATER: Agreement signed with water resource department on 26.08.2013 SPCB: Consent to establish was granted from OSPCB on 04.02.2010 CIVIL Aviation: Clearance obtained from AAI on 15.03.2010 CHP: Civil work of Track Hopper, Crusher house & TP 18, 16 is in progress. Structural erection of crusher house is in progress. AHP: Engineering & procurement in progress.U#3: Surge Hopper Foundation in progress. Ash water and ash slurry pump house civil works started. DM Plant: Foundation of DM tank, N pits, Vessels, are in progress PT Plant: Civil work of clarifier A & B, Chemical house and Clarified storage tank in progress.RW pipe laying is progress. CW System: CW pipe laying in progress. CWPB, forebay and channel civil work in progress. Fire Protection System: Water tank foundation completed two nos. Pump house civil works in progress. Fabrication & erection of fire water storage tanks in progress. FO System: Fuel oil pump house civil works in progress. Chimney: Shell concreting completed up to 12m, Fabrication of flu cane are in progress. Switchyard: Tower, Equipment structure and Gantry erection in progress. Control building civil works in advance stage of completion IDCT: IDCT 3: RCC of column, beams in progress up to deck level. IDCT 4: RCC of column, beam are in progress. Unit-3: Boiler erection started on 20.1.2015. Erection completed-6150MT (7 th tier in progress). BLU: Expected in 04/17. ESP:.1500MT erection completed.Structural erection started in pass C & D, erection of casing in progress of pass C. Excavation work for ESP control room is underway for unit-3. TG: TG foundation column have been cast and TG deck casting completed. Unit-4: Boiler erection started on 29.05.2015. Boiler erection completed-5000MT (6 th tier in progress). BLU: Expected in 08/17. ESP: Erection completed-400MT (Pass B & C in progress) TG: Erection of TG hall structures has been started and raising of column is in progress
	U-3	660	08/17 09/17		08/17 09/17		
	U-4	660	12/17 01/18		12/17 01/18		
	Date of Sanction / Investment Decision						
	Sanctioning Authority						
	Original project cost		1196500 Lakhs.				
	Latest Est. cost		1196500 Lakhs.				
	Expenditure during 2013-14		68690 Lakhs.				
	Expenditure during 2014-15		56887 Lakhs.				
	Expenditure during 2015-16		85447 Lakhs. (upto 12/15)				
	Total Expenditure:		2110.24 Cr				
	Zero date Financial closure		26 th March 2014 Agreement signed with PFC Ltd. and REC Ltd. on 23.11.2012				
	Coal Linkage/FSA		Coal will be sourced from Manoharpur and Dip side Manoharpur allocated to OCPL, A JV company of OPGC and OHPC.				
	Order main plant		Boiler: BHEL, NTP Issued in 3/2014				
	Power Evacuation system		Power evacuation through 2xD/C 400KV transmission lines, one going to OPTCL's 400kV substation at Lapang and other to PGCIL's 400KV pooling station. Signed on 11.09.2013				
	Power purchase agreement:		PPA: 50% of the power generated shall be sold to GRIDCO through a long term PPA based on CERC norms and balance 50% will be sold through mix of long term PPA (Case-1 bids) and short / medium term sales.				
	Critical Areas						

LAND: Required land is in possession of OPGC except the 361 acre of land for ash pond which is in advance stage of possession.

MOEF: EC was granted on 04.02.2010, amended on 22.01.2014 and validity extended on 16.1.2015.

WATER: Agreement signed with water resource department on 26.08.2013

SPCB: Consent to establish was granted from OSPCB on 04.02.2010

CIVIL Aviation: Clearance obtained from AAI on 15.03.2010

CHP: Civil work of Track Hopper, Crusher house & TP 18, 16 is in progress. Structural erection of crusher house is in progress.

AHP: Engineering & procurement in progress. U#3: Surge Hopper Foundation in progress. Ash water and ash slurry pump house civil works started.

DM Plant: Foundation of DM tank, N pits, Vessels, are in progress

PT Plant: Civil work of clarifier A & B, Chemical house and Clarified storage tank in progress. RW pipe laying is progress.

CW System: CW pipe laying in progress. CWPB, forebay and channel civil work in progress.

Fire Protection System: Water tank foundation completed two nos. Pump house civil works in progress. Fabrication & erection of fire water storage tanks in progress.

FO System: Fuel oil pump house civil works in progress.

Chimney: Shell concreting completed up to 12m, Fabrication of flu cane are in progress.

Switchyard: Tower, Equipment structure and Gantry erection in progress. Control building civil works in advance stage of completion

IDCT: IDCT 3: RCC of column, beams in progress up to deck level. IDCT 4: RCC of column, beam are in progress.

Unit-3: Boiler erection started on 20.1.2015. Erection completed-6150MT (7th tier in progress).

BLU: Expected in 04/17.

ESP: 1500MT erection completed. Structural erection started in pass C & D, erection of casing in progress of pass C. Excavation work for ESP control room is underway for unit-3.

TG: TG foundation column have been cast and TG deck casting completed.

Unit-4: Boiler erection started on 29.05.2015. Boiler erection completed-5000MT (6th tier in progress).

BLU: Expected in 08/17.

ESP: Erection completed-400MT (Pass B & C in progress)

TG: Erection of TG hall structures has been started and raising of column is in progress

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
B.	PROJECT UNDER CONSTRUCTION						
	PRIVATE SECTOR						
5.	India Power Corporation (Haldia) Ltd.	450					Land: Complete land acquired 213.71 acre, 198 from Haldia Development authority and rest from private. MoE&F: Clearances extended on 30.08.15 upto 12.04.2017 vide letter No. J-13213/16/2014-IA.I(T) Water: 15 MGD water is available from Haldia Development authority. SPCB: NOC received from GoWB. Civil Aviation: NOC vide letter No.AAI/20012/82/2010-ARI(NOC) date 23.10.2010 for construction of chimney extended upto 22.06.2022. Chimney: Shell completed. U-I flue cane erection completed and that for U-2 is in progress.U-3 flu cane erection is yet to be taken up. CT: CT-1 and CT-2 basin work completed.CT-3 basin work under progress. FRP erection for CT-1 is in progress. CHP: Crusher house civil foundation completed. Crusher deck casting completed. Structural erection work under progress. CHP switch yard cable trench work completed.CHP-MCC2 earthing work under progress. AHP: Civil works of Ash Silo and Dewatering Bin completed. Chemical house and ash equipment building civil work completed.BAH structural erection completed. PT Plant: Raw water reservoir completed. Pipe line from HAD to plant area completed. Blower erection done. DM plant: DM plant building civil work completed. Electrical cable tray work started.. FO system: Tank-1 & 2 ready, piping works from tank to pump house under progress. Switch yard: Structural erection of 220KV equipments in switchyard is completed. Testing and commissioning is expected to be completed by end of 02/16. Fire Protection System: Fire station is ready. Piping work is under progress in various areas. <u>Unit-1</u> Boiler: Boiler erection started on 25.03.14.Drum lifted on 04.12.14.Pressure part & non-drainable pressure part erection completed. HT: completed on 16/09/2015 BLU: BLU expected in 02/16. ESP: Structural erection completed. Internal for one pass completed and air leak test done. TG: TG deck casting and power house structural erection completed. <u>Unit-2</u> Boiler: Boiler erection started on 25.06.14 ,Drum lifted in 23.02.15, HT: expected in 02/16 BLU: expected in 03/16 ESP: 1453MT/2158MT erection completed. TG: Deck casting and PHB structural erection completed. <u>Unit-3</u> Boiler: Boiler erection started on 15.05.15.three ceiling girders positioned out of four. ESP: Foundation completed, structural erection in progress. 567MT/2158MT erection completed BLU: Expected in 06/16 TG: TG erection expected to start in 02/2016.
U-1	150	10/15 11/15	11/15	05/16 06/16	07/16		
U-2	150			09/16 10/16	11/16		
U-3	150			01/17 02/17	03/17		
Date of Sanction / Investment Decision		REC and PFC has sanctioned the overall project cost as Rs.3307Cr. the loan sanctioned is Rs. 2305.97Cr.REC-1347.12Cr. & PFC-958.85Cr.					
Original Cost		265600 Lakhs					
Revised estimated cost		330670 Lakhs					
Expenditure during 2010-11							
Expenditure during 2011-12							
Expenditure during 2012-13							
Expenditure during 2013-14		71188.72 Lakhs					
Expenditure during 2014-15		32712.92 Lakhs					
Expenditure during 2015-16		52083.36 Lakhs					
Total Expenditure: (upto 12/15)		2228.83 Cr.					
Zero date: Financial Closure		28.11.2013 Achieved on 22.12.2011 with REC.					
Type of fuel		Coal					
Fuel Linkage/FSA		Long term coal supply agreement No: SNRL/IPC(H)L/FSA 2015-16 between M/s Swaymbhu natural resources private limited and M/s India Power Corporation (Haldia) Ltd..					
Order main plant		BTG awarded to BHEL on 29.9.2010					
Power Evacuation system		220KV Transmission line of length from plant to new haldia sub-station of WBSETCL.					
Power Purchase Agreement							
Critical Areas		1. Completion of mill and bunker bay. 2.Erection of turbine and Generator 3.Ash handling plant 4.Transmission Line					

THE WEST BENGAL POWER DEVELOPMENT CORPORATION LTD

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					• Land: Adequate land was acquired during implementation of Phase-I project units (2x300MW). • MoE&F Clearance: obtained on 18.05.2011. NOC for “Consent to Establish” obtained. • Civil Aviation Clearance: Received on 01.07.2009 from AAI.. • Water Allocation: NOC received for withdrawal of 60 cusec water from Bhagirathi bu I&W dept. GoWB. • SPCB Clearance: Received NOC for consent to operate • Chimney: Awarded to M/s Gammon India on 12-04-12. Work completed except shutter gate at ground floor. • CHP: Order placed on M/s McNally Bharat on 12-04-12. Civil and structural works almost completed. 93 % mechanical works completed. Electrical and C&I commissioning work in progress. • AHP: Order placed on M/s Indure Pvt Ltd on 28-11-14 after terminating contract of M/s Techpro Systems Ltd. U#3 BAH-civil & mechanical erection completed vacuum pump civil work completed & mechanical work is in progress. U#4 BAH civil work completed & mechanical erection is in progress. Compressor house (Common for U#3 & 4) civil work is in progress. • NDCT: Order placed on M/s Paharpur Cooling Tower on 24-08-12. Completed in all respect. • PTP: Civil works for chemical house (80%), HRSCC (75%) and Cascade Aerator (100%) completed. • DM Plant: DM building civil works 80% completed. DMST 90%mechanical erection completed DMST hydra test completed. • FOS: The system is ready and also utilized for U-1 during synchronization. • FPS: Hydrant pumps and diesel pumps are ready. Jokey pumps commissioning is in progress. • SWYRD: All equipment erected and commissioning is in progress. Station transformer, Generator transformer and unit transformer-A&B erection is in progress. Bus Duct erection is in progress. • U-3 • Boiler: erection started on 16.03.12. BLU done on 30.01.15. SBO completed on 11-03-15. Unit synchronized on 31-03-15. Mechanical erection of BAH is completed.ID fan A&B, FD fan A&B and PA fans A & B are ready for use in all respect. • ESP: ESP is completed and ready for use. • TG: Erection started on 15-07-13 and boxed up in 07/14. Oil flushing completed on 03-03-15.TG put on barring gear on 16-03-15. Unit synchronised on 31-03-15 and re-synchronized on 7.11.15. Full load achieved on 14.12.15. • U-4 • Boiler: Erection started on 16-03-12. HT done on 21-03-14. HT (ND) done on 30.01.2016. Boiler light up is expected in 02/16. SBO expected in 02/16.mechanical erection of ID fan A&B, FD fan A&B and PA fans A & B completed.4 nos. of LHS mill erection completed, RHS: 4 nos. mill erections completed, Mill C pedestal foundation is in progress. • ESP: Emitters are being erected. Duct erection work is in progress. Insulation and cladding is to be done. • TG: Erection started on 10-10-13 and HP completed & IP inner box-up completed LP is in progress. Generator erection completed. TDBFP erection is in progress.SBO expected in 02/16.
	Unit-3	500	03/14 09/14	11/14	03/15 14.12.15	07/16	
	Unit-4	500	06/14 10/14	02/15	03/16 06/16	12/16	
	Investment approval.	: (WBPDC Board)					
	Estimated cost	: Rs. 534038.40 Lakhs					
	Exp. During 2011-12	: Rs 51864.00 Lakhs					
	Exp. During 2012-13	: Rs 99453.00 Lakhs					
	Exp. During 2013-14	: Rs 112907.00Lakhs					
	Exp. During 2014-15	: Rs 71095.00 Lakhs					
	Exp. During 2015-16 (up to 12/15)	: Rs 29600.00 Lakhs					
	Total Expenditure	: Rs. 3649.19 Cr.					
	Financial Closure	: Achieved on ----- with PFC (70%) and 30% by equity.					
	Zero Date of Project	: 22.02.2011					
	Main Plant order	Placed on 22.02.2011 on BHEL for BTG					
	Power Evacuation System	400 KV D/C lines from Project to Gokarna and Purulia. LILO of Farakka-Jeerat - Subhashgram 400 KV line at Sagardighi Project.					
	PPA	Executed on 31.12.2010 with WBSEDCL					
	Coal Linkage/FSA	Captive Linkage available					
	Power Evacuation System	400 kV Sagardighi TPS – Gokarna D/C line 400 kV Sagardighi – Parulia D/C line LILO of 400 kV Farakha-Jeerat-Subhashgram S/C line at Sagardighi D/C line					
	Critical Areas	1. CHP: 93% Mechanical works completed. All electrical and C&I erection have started. 2. AHP due to change of contractor M/s Techpro Systems Ltd to M/s Indure Pvt Ltd. The civil works of Vacuum pump house, compressor house, Slurry pump house and Ash water pump house not yet completed and are still in progress. 3. Water package: Civil works of PT plant and DM plant completed about 80% only. Large number of mechanical, electrical and C&I equipment are to be received at site.					

North – Eastern Region

**BROAD STATUS OF NAMRUP REPLACEMENT POWER PROJECT IN ASSAM
(STATE SECTOR)**

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Reason for Delay
			Original		Actual(A) / As now Expected			
			Syn. comm	COD	Syn. comm	COD		
II	PROJECT UNDER CONSTRUCTION							
1.	Namrup Replacement Power Project Distt:Dibrugarh (Assam) APGCL	100				01/15	30 Acres of land required for the project is available. - Work of total erection, commissioning, PG Test and all BOPs (ordering and execution) has been allotted to M/s NBPPL (Joint venture of NTPC & BHEL) on nomination basis with approval of APGCL. - Main plant civil works started in 4/10 by M/s. Ramky. - Earlier BHEL requested for provisional time extension up to Dec., 2013. APGCL approved formal extension up to Aug., 12 and provisional extension up to June 2013. - BHEL/NBPPL terminated the civil contractor M/s. Ramky on 05/09/13 & BHEL terminated M/s. NBPPL on 22/11/13 for their poor performance. - Tender for new civil contractor for balance civil work floated by BHEL on 18/12/13. Civil contract awarded on 13.03.14 to Power Mech Projects & work started in 05/05/14. Award of BoP is under progress. - GT & GTG placed on foundation. HRSG work started in 01/12 and insulation work nearing completion. Commissioning of GT is expected in 06/16 (open cycle) and ST by 09/16.	Delay in start of civil work by 7 months and delay in progress of civil work by another 7 months. Termination of civil & BoP contract due to poor performance and award of new contractors by BHEL. <u>Critical Issue</u> _Completion of balance civil works by new civil agency. Award of new contract for balance BoP works by BHEL and its completion.
	GT	70	10/11 01/12	01/12	05/16 06/16			
	ST	30	11/11 01/12	01/12	08/16 09/16			
	Date of sanction of the project		17.03.2007					
	Project sanctioning Authority		Govt of Assam					
	Date of Investment Approval		17.03.2007					
	Org. Est. cost		Rs 41100 Lakhs					
	Latest cost		Rs 69400 Lakhs					
	Exp. During 2007-08		Rs 23 Lakhs					
	Exp. During 2008-09		Rs 1816 Lakhs					
	Exp. During 2009-10		Rs 1799 Lakhs					
	Exp. During 2010-11		Rs 2159 Lakhs					
	Exp. During 2011-12		Rs 12363 Lakhs					
	Exp. During 2012-13		Rs 10640 Lakhs					
	Exp. During 2013-14		Rs 2105 Lakhs					
	Exp. During 2014-15		Rs 2005 Lakhs					
	Exp. During 2015-16 (12/15)		Rs 10951 Lakhs					
	Cumulative exp up to(12/15)		Rs 43861 Lakhs					
	Date of Main Plant Order (LOI)		: 09.02.2009 (EPC) on M/s BHEL					
	Zero date of the project		: 09.02.2009					
	Type of fuel		Natural Gas					
	Fuel Source		Gas supply agreement made with Oil India Limited for 0.66 MMSCMD of natural gas. Gas Transportation agreement with Assam Gas Company Ltd. through existing Gas supply line to NTPS.					
	Power Evacuation		A LILO of about 1 KM will be constructed to connect with the existing Namrup – Tinsukia 220 kV D/C line.					