



भारत सरकार
विद्युत मंत्रालय

GOVERNMENT OF INDIA
MINISTRY OF POWER

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

February - 2013



ताप विद्युत परियोजना प्रबोधन प्रभाग
केन्द्रीय विद्युत प्राधिकरण
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**THERMAL PROJECT MONITORING DIVISION
CENTRAL ELECTRICITY AUTHORITY
NEW DELHI**

FOREWORD

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

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

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

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

New Delhi
Dated: 28th February, 2013

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

Disclaimer

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

INDEX

Sl. No.	Contents	Page No
SUMMARY		
1.0	11th Plan capacity addition programme	01
1.0 (A)	12th Plan capacity addition programme	01
2.0	Thermal Capacity addition during the year 2007-08	02
2.1.	Thermal Capacity addition programme for the year 2008-09	03
2.2.	Thermal Capacity addition programme for the year 2009-10	04-05
2.3.	Thermal Capacity addition programme for the year 2010-11	06-07
2.4	Thermal Capacity programmed for commissioning during the year 2011-12	08-09
3.0	Thermal Units Programmed for Commissioning During 2012-13	10-11
4.0	THERMAL POWER PROJECT UNDER CONSTRUCTION IN THE COUNTRY	12-18
CENTRAL SECTOR PROJECTS		
1.	NATIONAL THERMAL POWER CORPORATION LTD.	19-23
	Mouda TPP (Maharashtra)	19
	Rihand STPP St-III (Distt. Sonebhadra, UP)	20
	Indira Gandhi STPP (Aravali Power Co. Pvt. Ltd-- JV of NTPC, HPGCL and IPGCL) (Dist: Jhajjar), Haryana	21
	Vindhyachal STPP St-IV, Unit-11 & 12 (Dist. Sidhi) NTPC	22
	Vallur TPP St-I Ph-I (JV of NTPC-TNEB) NTECL. (Distt Thiruvallur, TN.) Unit-1 & 2	23
2	DAMODAR VALLEY CORPORATION	24-24
	Koderma TPP St-I, TPS- Jai Nagar, Distt-Koderma, Jharkhand State, Unit-1&2	24
3	OTPC	25-25
	Tripura CCPP, Village : Palatana, Distt:Udaipur (Tripura) OTPC (JV of ONGC, Tripura State and IL&FS)	25
4.	NLC	26-26
	Neyveli TPS-II Exp* NLC(Distt. Cuddalore, TN.)	26
STATE & PRIVATE SECTOR PROJECTS		
Northern Region		
5	Delhi	27-27
	Pragati III Power Project, Bawana Pragati Power Corp. Ltd.,GENCO, (Delhi)	27
6	Haryana	28-28
	Mahatma Gandhi TPP, CLP Power India Ltd., (Distt-Hissar)	28
7	Rajasthan	29-30
	Ram Garh CCPP RRVUNL, (Distt. Baran)	29
	Jalipa Kapurdi TPP, Raj West Power Ltd., (Distt. Barmer)	30
8	Uttar Pradesh	31-32
	Parichha TPS Extn. ,Stage-II,UPRVUNL, Distt. Jhansi	31
	Harduaganj TPS Extn.,UPRVUNL , Distt. Aligarh	32
Western Region		
9	Chhattisgarh	33-37
	Marwa TPS (Dist: JanjgirChampa, CG) Chattisgarh	33-34
	Kasaipalli TPP (Chakabura Vill., Distt. Korba) M/s ACB (India) Ltd (Aryan Coal Benefications Pvt. Ltd)	35
	Swastik TPP, M/s ACB (India) Ltd (Aryan Coal Benefications Pvt. Ltd)	36
	Salora TPP (Katghora Tal; Distt. Korba) M/s Vandana Vidyut Ltd	37
10	Gujarat	38-40
	Pipavav CCPP ,Ph-I,GSPC PIPAVAV Power Company Limited, Distt: Amreli GPPC	38
	UkaiTPS Extn.. Unit-6, GSECL	39
	Salaya TPP Ph-I, Unit-2, Essar Power, Gujarat	40

11	Madhya Pradesh	41-42
	Satpura TPS Extn.(Sarni) (Dist. Betul) MPPGCL	41
	Bina TPP (Dist. Sagar) Bina Power Supply Co. Ltd.	42
12	Maharashtra	43-48
	Tirora TPP ,Ph-I (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	43
	Tirora TPP ,Ph-II (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	44-45
	Bela Thermal Power Project (Distt. Nagpur) M/s Ideal Energy Projects Limited (IEPL)	46
	Butibori TPP, Ph- II, (Ph-I is CPP) (Distt: Nagpur) M/s Vidarbha Industries Power Ltd.	47
	EMCO Warora TPP, Ph-I & II , (Distt: Chandrapur) M/s EMCO Energy.Ltd (A wholly owned subsidiary of GMR Energy Ltd.)	48
Southern Region		
13	Andhra Pradesh	49-50
	Meenakshi TPP Ph-I, U-1&2 (M/s Meenakshi Energy Pvt. Ltd.) Distt.: SPSR Nellore	49
	Simhapuri Energy Pvt.Ltd TPP Ph-I, U-1 & 2 (Madhucon Projects Ltd) Distt. Nellore	50
14	Tamil Nadu	51-52
	Mettur TPS St-III ,TNEB, Distt. Salem	51
	North Chennai TPS ,St-II ,U-2, TNEB, Distt. Thiruvallur	52
Eastern Region		
15	Jharkhand	53-53
	Mahadeo Prasad STPS , Adhunik Power & Natural Resources Ltd. (Distt. Saraikela) Jharkhand, U-1 & 11	53
16	Orissa	54-54
	Sterlite TPP (M/s Sterlite Energy Ltd.) Distt : Jharsuguda.	54

1.0 11TH PLAN CAPACITY ADDITION PROGRAMME

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

Thermal	Hydro	Nuclear	Total
59693	15627	3380	78700

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

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

1.3 TOTAL CAPACITY COMMISSIONED DURING 2007-08 (MW)

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

1.4 TOTAL CAPACITY COMMISSIONED DURING 2008-09 (MW)

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

1.5 TOTAL CAPACITY COMMISSIONED DURING 2009-10 (MW)

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

1.6 TOTAL CAPACITY COMMISSIONED DURING 2010-11 (MW)

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

1.7 TOTAL CAPACITY COMMISSIONED DURING 2011-12 (MW)

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

1.0 (A) 12TH PLAN CAPACITY ADDITION PROGRAMME

Thermal	Hydro	Nuclear	Total
72340	10897	5300	88537

2.0 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2007-2008

Sl No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Schedule	Actual date of Comm.	Cap. Added (MW)
A	CENTRAL SECTOR							
1	Bhilai TPP	Chhattisgarh / NTPC & SAIL JV	U-1 U-2	250 250	03/2009	04/2008 10/2008	Slipped	
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2004	06/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-4 U-5	500 500	12/2003	10/2007 04/2008	27.05.07(A) U-5 Slipped	500
4	Kahalgaon STPS-II (Ph-I & II)	Bihar/NTPC	U -6 U -7	500 500	07/2003 03/2004	09/2007 07/2007	16.03.08(A) U-7 slipped	500
5	Ratnagiri Gas Power Project	Mah. /Ratnagiri Gas & Power Pvt. Ltd.	Block-3	740	05/1999	01/2007	28.10.07(A)	740
6.	Mejia TPS	West Bengal/DVC	U-6	250	06/2004	04/2007	01.10..07(A)	250
7.	Chandrapura TPS Extn	Jharkhand / DVC	U- 7 U- 8	250 250	06/2004	02/2007 04/2007	Project Slipped	
		Sub Total (A)		4650				1990
B	STATE SECTOR							
1.	GHT (Lehra Mohabbat)TPS-II	Punjab/ PSEB	U-3 U-4	250 250	03/2004	10/2006 01/2007	03.01.08(A) U-4 Slipped	250
2.	Dholpur CCPP (Ph-I)	Rajasthan /RRVUNL	GT-2 ST	110 110	06/2004	07/2006 12/2006	16.06.07(A) 27.12.07(A)	110 110
3	Korba East TPP St-V	Chhattis./ CSEB	U-2	250	08/2003	06/2007	11.12.07(A)	250
4	Dhuvaran CCPP Extn.	Gujarat/GSECL	ST	40	03/2004	01/2006	13.08.07(A)	40
5	Kutch Lignite Extn	Gujarat/GSECL	U-4	75	01/2004	08/2006	Slipped	
6	Rayalaseema TPS-II	AP/APGENCO	U-4	210	12/2003	03/2007	20.11.07(A)	210
7	Bellary TPP	Karnataka/ KPCL	U-1	500	11/2003	12/2006	03.12.07(A)	500
8	Santalidih TPP	WB / WBPDC	U-5	250	07/2004	01/2007	07.11.07(A)	250
9	Sagardighi TPP	WB / WBPDC	U-1 U-2	300 300	07/2004	01/2007 04/2007	21.12.07(A) U-2 Slipped	300
10	Bakreshwar TPS-II	WB / WBPDC	U-4 U-5	210 210	11/2004	06/2007 09/2007	23.12.07(A) U-5 Slipped	210
11	Yamuna Nagar TPP	Haryana/HPGCL	U-1 U-2	300 300	09/2004	10/2007 01/2008	13.11.07(A) 29.03.08(A)	300 300
12	AmarkantakTPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	Slipped	
13	Valuthur CCPP Extn.	TN/TNEB	GT ST	60 32.2	05/2006	11/2007 02/2008	Slipped	
14	Durgapur TPS Extn.	WB/DPL	U-7	300	07/2004	01/2007	24.11.07(A)	300
15	Sanjay Gandhi TPP Extn. St.III (Birsinghpur)	MP/MPPGCL	U-5	500	08/2003	09/2006	18.06.07(A)	500
16	Paras TPS Extn	Maharashtra/MSPGCL	U-1	250	05/2004	11/2006	31.05.07(A)	250
		Sub Total (B)		5017.2				3880
C	Private Sector							
1.	OP Jindal (Raigarh)TPP Ph.I & II	Chhattis./Jindal Power	U-1 U-2 U-3 U-4	250 250 250 250	06/2004	05/2007 09/2007 12/2007 04/2008	02.09.07(A) 06.03.08(A) 10.02.08(A) U-4 slipped	250 250 250
2.	Sugen CCPP	Gujarat /Torrent Power Gen. Ltd.	Block-1 Block-2 Block-3	376 376 376	06/2005	09/2007 12/2007 02/2008	Slipped	
3	Gautami CCPP	AP/ Gautami Power Ltd.	GT -1 GT- 2 ST	145 145 174	09/2003	02/2006 02/2006 07/2006	slipped	
4	Konaseema CCPP	AP/Konaseema EPS	GT-1 GT-2 ST	140 140 165	03/2001	10/2005 03/2006 03/2006	Slipped	
		Sub Total ©		3037				750
		GRAND TOTAL(A+B+C)		12704.2				6620

2.1 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2008-09

SI No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Schedule	Actual date of Comm.	Cap. Added (MW)
A	CENTRAL SECTOR							
1	Bhilai Extn. TPP	Chhattisgarh / NSPCL (NTPC & SAIL JV)	U-1 U-2	250 250	03/2009	04/2008 10/2008	20.04.08(A) Slipped	250
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2004	06/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-5	500	12/2003	04/2008	27.12.08(A)	500
4	Kahalgao STPS-II (Ph-I & II)	Bihar/ NTPC	U -7	500	03/2004	07/2007	Slipped	
5	Chandrapura TPS Extn	Jharkhand / DVC	U- 7 U- 8	250 250	06/2004	02/2007 04/2007	Slipped Slipped	
6	Barsingsar Lignit	Rajasthan/ NLC	U-1 U-2	125 125	12/2005	12/2008 06/2009	Slipped Slipped	
		Sub Total (A)		2910				750
B	STATE SECTOR							
1.	GHTP(Lehra Mohabbat)TPS-II	Punjab/ PSEB	U-4	250	03/2004	01/2007	31.07.08(A)	250
2	Kutch Lignite Extn	Gujarat/ GSECL	U-4	75	01/2004	08/2006	Slipped	
3	Sagardighi TPP	WB / WBPDC	U-2	300	07/2004	04/2007	20.07.08(A)	300
4	Bakreshwar TPS-II	WB / WBPDC	U-5	210	11/2004	09/2007	Slipped	
5	Valuthur CCPP Extn.	TN/TNEB	GT ST	59.8 32.4	05/2006	11/2007 02/2008	06.05.08(A) 16.02.09(A)	59.8 32.4
6	Amarkantak TPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	15.06.08(A)	210
7	Giral Lignite- II	Rajasthan/ RRVUNL	U-2	125	11/2005	08/2008	Slipped	
8	Chhabra TPS	Rajasthan/ RRVUNL	U-1 U-2	250 250	03/2006	11/2008 02/2009	Slipped Slipped	
9	Surat Lignite TPP Extn.	Gujarat/ GIPCL	U-3 U-4	125 125	03/2006	11/2008 04/2009	Slipped Slipped	
10	Kota TPP	Rajasthan/ RRVUNL	U-7	195	06/2006	02/2009	Slipped	
11	Suratgarh TPP –IV	Rajasthan/ RRVUNL	U-6	250	06/2006	09/2008	Slipped	
12	Vijaywada TPP –IV	AP/ APGENCO	U-1	500	07/2005	12/2008	Slipped	
		Sub Total (B)		2957.2				852.2
C	Private Sector							
1	OP Jindal (Raigarh)TPP Ph.I & II	Chhattis./Jindal Power	U-4	250	06/2004	04/2008	17.06.08(A)	250
2.	Sugen CCPP *	Gujarat /Torrent Power Gen. Ltd.	Block-1 Block-2 Block-3	376 376 376	06/2005	09/2007 12/2007 02/2008	04.02.09 (A) Slipped Slipped	382.5
3	Gautami CCPP	AP/ Gautami Power Ltd	GT -1 GT- 2 ST	145 145 174	09/2003	02/2006 02/2006 07/2006	Slipped	
4	Konaseema CCPP	AP/Konaseema EPS	GT-1 GT-2 ST	140 140 165	03/2001	10/2005 03/2006 03/2006	Slipped	
5	Pathadi TPS Ph-I (Lanco - Amarkantak Mega TPP)	Chattisgarh/ Lanco Amarkantak Power Pvt. Ltd.	U-1	300	05/2005	09/2008	Slipped	
6	Trombay TPS Extn.	Maharashtra/ Tata Power Co	U-8	250	06/2006	08/2008	26.03.09(A)	250
7	Torangallu Extn.	Karnataka/ JSW Energy Ltd	U-1 U-2	300 300	07/2006	12/2008 01/2009	Slipped Slipped	
		Sub Total (C)		3437				882.5
	GRAND TOTAL(A+B+C)			9304.2				2484.7

- Capacity has been revised from 376 to 382.5 MW.

2.2 THERMAL UNITS PROGRAMMED FOR COMMISSIONING DURING 2009-10

Sl No	Project Name/ Unit No.	State/ Impl. Agency	Targeted Cap. (MW)	LOA Date	Org. Comm. Schedule	Cap. (MW) Achieved	Anticipated/ Actual Date of Comm.
I	COMMISSIONING ASSURED						
A	CENTRAL SECTOR						
1	Kahalgaon STPS-II (Ph-I & II) U-7	Bihar/ NTPC	500	03/2004	07/2007	500	31.07.09(A)
2	Bhilai Extn. TPP U-2	Chhattisgarh / NSPCL (NTPC & SAIL JV)	250	03/2009	10/2008	250	12.07.09(A)
3	Chandrapura TPS Extn U- 7 U- 8	Jharkhand / DVC	250 250	06/2004	02/2007 04/2007	250 250	04.11.09(A) 31.03.10(A)
4	Barsingsar Lignite 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 Lignite- II U-2	Rajasthan/RRVUNL	125	11/2005	08/2008	125	06.11.09(A)
10	Kota TPP U-7	Rajasthan/RRVUNL	195	06/2006	02/2009	195	31.08.09(A)
11	Suratgarh TPP –IV U-6	Rajasthan/RRVUNL	250	06/2006	09/2008	250	29.08.09(A)
12	Bakreshwar TPS-II U-5	WB / WBPCL	210	11/2004	09/2007	210	07.06.09(A)
		Sub Total (B)	3204			3079	
C	PRIVATE SECTOR						
1	Gautami CCPP GT -1 GT- 2 ST	AP/ Gautami Power Ltd.	145 145 174	09/2003	02/2006 02/2006 07/2006	145 145 174	03.05.09(A)
2	Konaseema CCPP GT-1 GT-2 ST	AP/Konaseema Gas Power Ltd.	140 140 165	03/2001	10/2005 03/2006 03/2006	140 140 -----	05/09(A) 05/09(A) Slipped
3	Lanco Kondapalli Ext. Ph-II GT ST	AP/Lanco Konapalli	233 133	11/2007	03/2009 09/2009	233 -----	07.12.09(A) Slipped
4	Lanco Amarkantak TPS (Pathadi) U-1 U-2	Chhattisgarh /L.A.P. Pvt.Ltd	300 300	05/2005 04/2006	09/2008 07/2009	300 300	04.06.09(A) 25.03.10(A)

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

2.3 THERMAL UNITS PROGRAMMED FOR COMMISSIONING DURING 2010-11

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

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

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

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

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

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

3.0 Thermal Units Programmed for Commissioning During 2012-13

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

Gujarat	Mundra Ultra Mega TPP	Tata Power Co.	U-2	May-07	Others	800	800	12/12	25.07.12(A)
	Mundra Ultra Mega TPP	Tata Power Co.	U-3	May-07	Others		800		16.10.12(A)
	Mundra Ultra Mega TPP	Tata Power Co.	U-4	May-07	Others		800		16.01.13(A)
	Mundra Ultra Mega TPP	Tata Power Co.	U-5	Jun-07	Others		800		18.03.13(A)
	UNO-SUGEN CAPP	Torrent Power Ltd.	Mod-1		Others		382.5		20.01.13(A)
	Salaya TPP	ESSAR	U-2	Nov-07	Chinese	600	600	08/12	13.06.12(A)
Haryana	Jhajjar TPP (Mahatma Gandhi TPP)	CLP Power India Pvt. Ltd.	U-2	Jan-09	Chinese	660	660	04/12	11.04.12(A)
Jharkhand	Adhunik Power TPP	Adhunik Power Co. Ltd.	U-1	May-09	BHEL	270	270	09/12	19.11.12(A)
	Adhunik Power TPP	Adhunik Power Co. Ltd.	U-2	May-09	BHEL		270		29.03.13(A)
	Corporate Power Ltd Ph-I (Maitrishi Usha)	M/s Corporate Power Ltd.	U-1	Dec-09	BHEL	270		12/12	07/13
Maharashtra	Bela TTP-I	IEPL	U-1	Dec-08	BHEL	270	270	09/12	20.03.13(A)
	Butibori TPP Ph-II	Vidarbha Industries Power	U-1	Dec-09	Chinese	300	300	08/12	17.08.12 (A)
	EMCO Warora TPP	EMCO Energy Ltd. (GMR)	U-1	Sep-09	Chinese	300	300	11/12	07.02.13(A)
	Tirora TPP Ph-I	Adani Power Ltd	U-1	Feb-08	Chinese	660	660	08/12	11.09.12(A)
	Tirora TPP Ph-I	Adani Power Ltd	U-2			660	660	11/12	25.03.13(A)
	Tirora TPP Ph-II	Adani Power Ltd	U-1			660		02/13	03/13
	GEPL TPP	GEPL Pvt. Ltd.	U-2	Mar-09	Chinese		60		28.04.12(A)
	GEPL TPP	GEPL Pvt. Ltd.	U-1		Chinese		60		08.09.12(A)
	Amaravathi TPP Ph-I	Indiabulls	U-1		BHEL		270		25.03.13(A)
MP	Bina TPP	Bina Power Ltd.	U-1	Sep-08	BHEL	250	250	09/12	12.08.12(A)
	Bina TPP	Bina Power Ltd.	U-2	Sep-08	BHEL		250		31.03.13(A)
	Mahan	Essar Power Ltd.	U-1		Chinese		600		24.02.13(A)
Orissa	Sterlite TPP	Sterlite Energy Ltd.	U-4	Sep-08	Chinese	600	600	06/12	25.04.12(A)
	Kamalanga TPP		U-1		Chinese		350		29.03.13(A)
Rajasthan	Jallipa-Kapurdi TPP	Raj west power Ltd (JSW)	U-5	Mar-07	Chinese	135	135	03/13	05.02.13(A)
			U-6	Apr-07	Chinese		135		03.03.13(A)
			U-7	Jun-07	Chinese		135		16.03.13(A)
			U-8	May-07	Chinese		135		28.02.13(A)
TN	Tuticorin TPP	Ind Barath	U-1		Chinese		150		10.03.13(A)
			Total -Private Sector			7180	11187.5		
			Total for the year 2012-13			15154.3	20121.8		

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

<i>Sector State Date</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm.</i>
AP	Rayalseema St-III U-6	BHEL	BHEL	U-6	600	---	
Assam	Namrup CCGT	APGCL	BHEL	GT	70	---	
				ST	30	---	
Chhattisgarh	Korba West St-III.	CSPGCL	BHEL	U-5	500	500	22-03-13
Chhattisgarh	Marwa TPP	CSPGCL	BHEL	U-1	500	---	
				U-2	500	---	
Delhi	Pragati CCGT - III	PPCL	BHEL	GT-3	250	250	27-06-12
				GT-4	250	---	
				ST-2	250	---	
Gujarat	Pipavav CCP	GSECL	BHEL	Block-1	351	---	
				Block-2	351	351	27-03-13
Gujarat	Sikka TPP Extn.	GSECL	BHEL	U-3	250	---	
Gujarat	Ukai TPP Extn.	GSECL	BHEL	U-6	500	500	05-03-13
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	U-8	500	---	
Maharashtra	Koradi TPP Expn.	MSPGCL	NON-BHEL	U-8	660	---	
Maharashtra	Parli TPP Expn.	MSPGCL	BHEL	U-8	250	---	
MP	Malwa TPP (Shree Singa ji TPP)	MPGENCO	BHEL	U-1	600	---	
				U-2	600	---	
MP	Satpura TPP Extn	MPPGCL	BHEL	U-10	250	250	22-03-13
				U-11	250	---	
Rajasthan	Chhabra TPP Extn.	RRVUNL	BHEL	U-3	250	---	
				U-4	250	---	
Rajasthan	Kalisindh TPS	RRVUNL	CHINESE	U-1	600	---	
Rajasthan	Ramgarh CCP Extn. -III	RRVUNL	BHEL	GT	110	110	20-03-13
				ST	50	---	
TN	Mettur TPP Ext	TNEB	CHINESE	U-1	600	600	11-10-12
TN	North Chennai Extn, U-1	TNEB	BHEL	U-1	600	---	
TN	North Chennai Extn, U-2	TNEB	BHEL	U-2	600	600	09-03-13
UP	Anpara-D	UPRVUNL	BHEL	U- 6	500	---	
				U-7	500	---	
UP	Harduaganj Ext	UPRVUNL	BHEL	U-9	250	250	25-05-12
UP	Parichha Extn	UPRVUNL	BHEL	U-5	250	250	24-05-12
				U-6	250	250	11-03-13
Sub Total :					13922	3911	
<u>PRIVATE SECTOR</u>							
AP	Bhavanpadu TPP	M/s East Coast Energy Ltd.	CHINESE	U-1	660	---	
				U-2	660	---	
AP	NCC TPP	NCC Power Projects Ltd	CHINESE	U-1	660	---	
				U-2	660	---	
AP	Painampuram TPP	Thermal Power Tech Corporation Ltd	CHINESE	U-1	660	---	
				U-2	660	---	

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

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

<i>Sector State Date</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm.</i>
Orissa	Lanco Babandh TPP	Lanco Babandh Power Ltd	CHINESE	U-1	660	---	
Orissa	Sterlite TPP	Sterlite Energy Ltd.	CHINESE	U-4	600	600	25-04-12
Punjab	Goindwal Sahib	GVK Power	BHEL	U-1	270	---	
				U-2	270	---	
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	NON-BHEL	U-1	700	---	
				U-2	700	---	
Punjab	Talwandi Sabo TPP	M/s Sterlite	CHINESE	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	CHINESE	U-5	135	135	05-02-13
				U-6	135	135	03-03-13
TN	Tuticorin TPP (Ind- Barath TPP)	IBPIL	CHINESE	U-1	660	---	
UP	Prayagraj (Bara) TPP	J.P.Power	BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
WB	Haldia TPP-I	M/s Haldia Energy Ltd.	CHINESE	U-1	300	---	
				U-2	300	---	
<i>Sub Total :</i>					43540	7385	
<i>Total :</i>					72339.6	16319.3	

ADDITIONAL PROJECTS FOR LIKELY COMMISSIONING DURING 12TH PLAN

CENTRAL SECTOR

Karnataka	Kudgi STPP Ph-I	NTPC	NON-BHEL	U-1	800	---	
				U-2	800	---	
				U-3	800	---	
Maharashtra	Mouda STPP-II	NTPC	BHEL	U-3	660	---	
				U-4	660	---	
Maharashtra	Solapur STPP	NTPC	NON-BHEL	U-1	660	---	
				U-2	660	---	
MP	Vindhyachal TPP-V	NTPC	BHEL	U-13	500	---	
UP	Meja STPP	NTPC-UPRVUNL	NON-BHEL	U-1	660	---	
				U-2	660	---	

Sub Total : **6860** **0**

STATE SECTOR

AP	Kakatiya TPP Extn	APGENCO	BHEL	U-1	600	---	
Gujarat	Bhavnagar CFBC TPP	Bhavnagar Energy	BHEL	U-1	250	---	
				U-2	250	---	
Gujarat	Sikka TPP Extn.	GSECL	BHEL	U-4	250	---	
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	U-9	500	---	
Maharashtra	Koradi TPP Expn.	MSPGCL	NON-BHEL	U-10	660	---	
				U-9	660	---	
Rajasthan	Kalisindh TPS	RRVUNL	CHINESE	U-2	600	---	
WB	Durgapur TPS Extn	DPL	BHEL	U-8	250	---	
WB	Sagardighi TPP-II	WBPDCCL	BHEL	U-3	500	---	

<i>Sector State Date</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm.</i>
WB	Sagardighi TPP-II	WBPDC	BHEL	U-4	500	---	
Sub Total :					5020	0	
<u>PRIVATE SECTOR</u>							
AP	Krishtnapatnam UMPP	Reliance Power Ltd.	CHINESE	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
				U-4	660	---	
				U-5	660	---	
				U-6	660	---	
AP	Simhapuri Energy Pvt Ltd Ph-II	Madhucon Projects Ltd.	CHINESE	U-3	150	---	
				U-4	150	---	
Chhattisgarh	Akaltara (Naiyara) TPP	Wardha PCL (KSK)	CHINESE	U-4	600	---	
Chhattisgarh	Binjkote TPP	M/s SKS Power Generation (Chhattisgarh) Ltd.	CHINESE	U-4	300	---	
Chhattisgarh	Chakabura TPP	ACB India	NON-BHEL	U-1	30	---	
Chhattisgarh	Raigarh TPP (Visa)	Visa Power Ltd	BHEL	U-1	600	---	
Chhattisgarh	Raikheda TPP	GMR	OTHERS	U-1	685	---	
				U-2	685	---	
Chhattisgarh	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	CHINESE	U-2	600	---	
Chhattisgarh	Tamnar TPP (Raigarh)	O.P.Jindal	BHEL	U-3	600	---	
				U-4	600	---	
Chhattisgarh	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-4	360	---	
Gujarat	Mundra UMTTP	Tata Power Co.	OTHERS	U-3	800	800	16-10-12
				U-4	800	800	16-01-13
				U-5	800	800	18-03-13
Gujarat	Unosugen Mega CCPP	Torrent Energy Ltd		Module-1	382.5	382.5	20-01-13
Jharkhand	Maitrishi Usha TPP-Ph-II	Corporate Power Ltd	BHEL	U-3	270	---	
				U-4	270	---	
Jharkhand	Tori TPP	Essar Power	CHINESE	U-1	600	---	
				U-2	600	---	
Maharashtra	Amravati TPP Ph-II	India Bulls	BHEL	U-1	270	---	
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
Maharashtra	Nasik TPP Ph-II	India Bulls	BHEL	U-1	270	---	
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
Maharashtra	Tirora TPP Ph-II	Adani Power Ltd	CHINESE	U-2	660	---	
				U-3	660	---	
MP	Mahan TPP	Essar Power MP Ltd	Chinese	U-1	600	600	24-02-13

<i>Sector State Date</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm.</i>
MP	Mahan TPP	Essar Power MP Ltd	Chinese	U-2	600	---	
MP	Nigri TPP	Jaiprakash Power Ventures Ltd	NON-BHEL	U-1	660	---	
				U-2	660	---	
MP	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-1	660	---	
				U-4	660	---	
				U-5	660	---	
				U-6	660	---	
Orissa	Derang TPP	JITPL	BHEL	U-2	600	---	
Orissa	KVK Nilanchal TPP	KVK Nilanchal	CHINESE	U-2	350	---	
				U-3	350	---	
Orissa	Lanco Babandh TPP	Lanco Babandh Power Ltd	CHINESE	U-2	660	---	
Orissa	Malibrahmani TPP (Monnet Ispat)	MPCL	BHEL	U-1	525	---	
Rajasthan	Jallipa-Kapurdi TPP	Raj West Power Ltd.(JSW)	CHINESE	U-7	135	135	16-03-13
				U-8	135	135	28-02-13
Rajasthan	Kawai TPP	Adani Power Ltd.	CHINESE	U-1	660	---	
				U-2	660	---	
TN	Melamaruthur TPP	Coastal Energen	Chinese	U-1	600	---	
				U-2	600	---	
TN	Tuticorin TPP-II(Ind barath)	Ind Barath	Chinese	U-1	150	150	10-03-13
				U-2	150	---	
UP	Lalitpur TPP	Lalitpur power Generation Co. Ltd	BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
Sub Total :					30577.5	3802.5	
Total :					42457.5	3802.5	
Total (12thPlan):					114797.1	20121.8	

CENTRAL SECTOR

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

Sl. No.	PROJECT DETAILS	Capa- city (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. com.	COD	Syn. com.	COD		
PROJECTS UNDER CONSTRUCTION								
1.	Mouda TPP (Dist. Nagpur, Maharashtra)	1000						1. Main plant order (BTG) placed on BHEL in 11/08. 2. Zero Date of the project is 11/08. Unit-1: 1. Unit synchronized on 08.04.2012. 2. Unit commissioned on 19.04.2012. 3. Unit declared on COD wef 13.03.13. Unit-2 Boiler 1. Boiler erection started on 30. 04.10. 2. Boiler drum lifting completed in 12/10. 3. Boiler hydro test completed on 30/11/11. 4. Boiler light-up completed on 27/11/12. 5. SBO completed on 29/12/12. 6. Normalisation completed. TG 1. Condenser erection started on 27.06.11. 2. TG erection commenced on 29/09/11. 3. TG box up completed on 31/12/2012. 4. TG oil flushing completed on 25/02/13. 5. TG put on barring gear in March'13. 6. GT back charged on 09.03.13 but tripped. Spare GT has been made available by NTPC. After testing back charging of GT is expected by 21/3/13. 7. Accordingly coal synchronization and commissioning of the unit is expected by end of March'13. BOPs 1. Chimney U-2 flue can erection completed. 2. CWPB raft casting completed, wall, Fore bay & CW channel works completed. 3. Cooling Tower: CT-1B completed. CT#2A 9 deck and CT#2B 8 cell deck slab casting completed. CT#2A 3 shell and CT#2B 5 shell released for Mech erection. CT-2B Trestle erection i/p. CT-2B readiness for water charging by 28.02.13. Painting and Fan stack work in progress. Switch gear room slab casting completed and transformer foundation ready.
	Unit-1	500	02/12 04/12	04/12	04/12(A) 04/12(A)	03/13(A)		
	Unit-2	500	08/12 10/12	11/12	03/13 03/13	09/13		
	Date of TEC	: Not required						
	Investment Approval	: 11/07						
	Est. approved cost	: Rs. 545928 Lakhs						
	Latest est.cost	: Rs 601089 Lakhs						
	Exp. Upto 03/09	: Rs. 45520 Lakhs						
	Exp. During 09-10	: Rs 59540Lakhs						
	Exp. During 10-11 Exp. During 11-12 Exp. During 12-13 (Upto 01/13)	: Rs 134040 Lakhs : Rs 159500 Lakhs :Rs 76200 lakhs						
	Type of fuel	: Coal						
	Fuel Linkage	: Available						
	Date of Main Plant Order(LOA)	: 11/08 on M/s BHEL(BTG)						
	Zero Date	:28/11/2008						
	Power Evacuation System:							
	Critical Areas	Unit-2: Cooling Tower by M/s NBCC : CT#2A, and CT#2B all cell deck slab casted. CT#2A 5 shell and CT#2B 7 shell released for Mech erection. CT-2B Trestle erection complete. CHP readiness (M/s TRF): TP-7 erection up to 5th Tier completed. TP-8 Fdn handed over. TR Fdn between TP-6 and TP-7 1/4 Fdn ready.Erection of TP-7, TP-8, TR anf gallery erection critical for CHP readiness for unit#2 CoD.Alternate arrangement done for coal filling to RHS Bunkers. GT Backcharging and GT bus duct readiness: GT Backcharged on 10.03.13 but tripped on differential protection and Buchlotz. GT-R being replaced with spare GT. GT readiness now ant. by 24.02.13. Main plant civil works by M/s ERA: Readiness of fronts for U#2 (LHS Fan Fdn, TG 0 Mtr paving, RHS Trestle erection, Bunker readiness affected due to poor manpower mobilization by M/s ERA. Being expedited.						

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

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. Com.	COD	Syn. Com.	COD	
3.	Indira Gandhi STPP (Aravali Power Co. Pvt. Ltd–JV of NTPC, HPGCL and IPGCL) (Dist: Jhajjar), Haryana	1500					1.JV of NTPC (50%). IPGCL (25%) & HPGCL (25%) formed for execution of the project. 2. LOI placed for SG on 06.07.2007 & TG on 14.07.2007 on M/s BHEL respectively.
	U-1	500	10/10 12/10	01/11	10/10 (A) 10/10(A)	03/11(A)	Unit-1 Synchronised on 10.10.10 & commissioned on 31.10.10. Unit declared on COD w e f March’11.
	U-2	500	04/11 06/11	07/11		04/12(A)	Unit-2 Synchronised on 21.10.11 & commissioned on 05/ 11/11.
	U-3	500	10/11 12/11	01/12	10/11(A) 11/11(A) 11/12(A) 11/12(A)	03/13	Unit declared on COD w e f 21.04.2012. Unit-3 Boiler erection started on 19.03.09. Boiler drum lifted on 12.11.09. HT completed on 30/04/11. BLU completed on 17/05/12. SBO completed on 03/08/12. Condenser & TG erection commenced on 31/5/10 & 16/2/11 respectively. TG box-up completed on 02.06.2012. Oil Flushing completed on 23/10/12. Condenser charged on 30.09.12. Deck floating completed on 08.10.12. Oil flushing through bearing pedestals completed and turbine put on barring gear on 28.10.12. Safety valve floating completed on 4.11.12. TDBFP A solo run completed on 4.11.12. All CEPS commissioned. CW pump 6 erection work in process. CHP & AHP made ready on 07.11.2012.
	Date of Sanction	:-					Unit ynchronized & full load achieved on 07/ 11/12.
	Investment Approval	: 05.07.2007					Achieved full load in record time of 2.20 Hrs from unit sync. – 07/11/2012.
	Sanctioning Authority	: NTPC Board					
	Orig.Est. cost Latest.Est. Cost	:Rs.829300 Lakhs : Rs. 858797 Lakhs					
	Exp.During 2007-08 2008-09 2009-10 2010-11	:Rs.97364 lakhs :Rs. 108906 lakhs :Rs. 199000 lakhs : Rs 129111 lakhs					
	Exp.During 2011-12 Exp.during 2012-13 (upto 09/12)	:Rs 55196 lakhs :Rs 22436 lakhs					
	Type of fuel	: Coal					
	Fuel linkage						
	Date of Main Plant Order (BTG) Zero Date	SG on 06.07.2007 & TG on 14.07.2007 on M/s BHEL 06.07.2007					
	Power Evacuation						
	Critical Areas						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (com.)	COD	Syn. (com)	COD	
1.	Vindhyachal STPP St-IV,Unit-11 &12 (Dist. Sidhi) NTPC	1000					Unit-11 - Boiler erection started in 03/10. - Boiler drum lifted in 6/10. - Boiler HT done in 6/11. - BLU done in 2/12. - SBO completed in 3/12. - TG erection started in 12/10 and boxed up in 12/11. - OF completed in 3/12. - TG put on Barring Gear in 4/12. Unit commissioned on 14/6/12.
	Unit-11	500	<u>04/12</u> 08/12	09/12	<u>6/12 (A)</u> <u>6/12(A)</u>	02/13(A)	
	Unit-12	500	<u>10/12</u> 12/12	01/13	<u>03/13</u> 03/13	09/13	
	State Govt. approval						
	Org Est. approved cost	: Rs. 591500 Lakhs					
	Latest Cost	: Rs. 591500 Lakhs					
	Exp.(up to 3/09)	: Rs. 28980 Lakhs					
	Exp. During 2009-10	: Rs 43290 Lakhs					
	Exp. 2010-11	: Rs 114930 Lakhs					
	Exp. During 2011-12	: Rs. 153000 lakhs					
	Exp. During 2012-13 (up to 12/12)	: Rs. 74500 lakhs					
	Cumulative Exp (up to 12/12)	: Rs. 414500 lakhs					
	Type of fuel	: Coal					
	Date of Main Plant Order	SG & Aux. awarded in 1/09 & TG &Aux awarded in 2/09 on M/s BHEL					
	Critical Areas	Mobilizations for boiler ducting. Delay in CHP, AHP and CT. Supply from BHEL(Oil system for SG package and HRH strainer Housing, IVCV cones for TG package.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / Expected		
			Syn. com.	COD	Syn. com.	COD	
PROJECTS UNDER CONSTRUCTION							
1	Vallur TPP St-I Ph-I (JV of NTPC-TNEB) NTECL. (Distt Thiruvallur, TN.) Unit-1 Unit-2	1000 500 500	 11/10 01/11 05/11 07/11	 02/11 08/11	 9/03/12 28.3.12 26/2/13 28/2/13	29/11/12 06/13	• Internal CHP- for second stream of conveyors – foundation casting, structural erection, roller erection, Belt laying & Equipment erection in progress. Stacker reclaimr 2 – Erection in progress. External CHP: Pipe conveyor taken to service.3729 MT coal unloaded from ship through conveyors. • AHP- ASPH- Ash slurry trench works in progress (completed up to B pass), Water piping completed up to BAH, BA disposal line completed up to trench, eco trench inside boiler area also completed, Fly ash evacuation system – Available for A&B pass. Ash dyke – in service with temporary bund made in lagoon 2. Balance works of embankment in progress. OFL & Lagoon 2 – stone column completed. • Desalination plant –RO 1 (3rd stream) – Piping work is in progress. • CW system charged. Electro chlorination system commissioned. • IDCT 1B paving work is in progress. 2A &2B Fan trail run in progress (7/9 & 8/9 trail run done in 2A &2B fans respectively) • UNIT-1:- Synchronized with coal on 09/03/2012 & achieved full load on 28.03.2012. • AHP commissioned on 10/11/12 & CHP on 23.11.12. • Unit declared COD w.e.f 29.11.12. In total there was 21 months delay in commissioning of the unit. • UNIT-2 Boiler Erection commenced on 18/07/09. 22356/ 23300 MT boiler material erected up to 02/13. Alkali boil out & EDTA Cleaning completed. `ESP erection commenced in 8/09, 8900/11326 MT material erected up to 02/13. ESP Pass A & B-ATT completed. Balance ESP ducting erection & electrode fixing in progress. • Boiler Drum lifted in 12/09. HT completed in 12/ 10 • BLU done on 16.07.12 & SBO completed on 19.12.12 • Condenser erection started in 09/10. Condenser Hydro test completed (Shell side). • TG erection started in 03/11 & boxed up on 30.6.12. • PA fan B erection in progress. PA PH commissioning in progress. • RHS –Tripper & conveyor erection in progress. LHS-Mill erection, coal piping and Feeder erection completed. • ACW pump house, pump commissioning in progress. • ST charged & GT bus duct erection in progress. • CHP/ AHP commissioned on 26.2.13, Synchronized with coal on 26.2.13 & commissioned on 28.2.13. In total there was 19 months delay in commissioning of the unit.
Investment Approval Sanctioning Authority Estimated cost Latest approved cost Expd. during 2005-2006. Expd. during 2006-2007. Expd. during 2007-2008. Expd. During 2008-2009 Expd. During 2009-2010 Expd. During 2010-2011 Expd. During 2011-2012 Expd. During 2012-2013 (up to 02/13) Cumm.Expd. (up to 02/13) Type of Fuel Date of Main Plant Order Zero Date Fuel Linkage Asso.Transmission system		: 14/07/2007 : NTECL Board : Rs 542355 Lakh (Cost Ratio is 50:50) : Rs 555278 Lakh : Rs 29 Lakh : Rs 296 Lakh : Rs 37599 Lakh : Rs 63749 Lakh : Rs148441 Lakh : Rs134279 Lakh : Rs130833 Lakh : Rs 89712 Lakh : Rs. 605647 Lakh : Coal (Mahanadi coal fields) : 13.08.2007 (SG&TG) on M/S BHEL : 13/ 08/2007 : MCL asked NTECL for bank guarantee of Rs 20.33 Crs. before issue of LOA which was given in 06/09. LOA awaited from MCL. : PGCL is to execute the following transmission lines through M/s Bajaj. a) VTPP – Almathi 400KV D/C line b) VTPP – Melakottaiyur 400KV D/C line :TNEB is to execute the following transmission line : VTPP – NCTPS (TNEB) 400KV D/C line					
Critical Areas							

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

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
1	Koderma TPP St-I, TPS- Jai Nagar, Distt-Koderma, Jharkhand State Unit-1 Unit-2	1000 500 500	 05/10 06/10 09/10 10/10	 06/10 10/10	 06/11(A) 07/11(A) 02/13(A) 02/13(A)	 <	

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

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. comm	COD	Syn. comm	COD	
II	PROJECT UNDER CONSTRUCTION						
1.	Tripura CCPP Village :Palatana Distt:Udaipur (Tripura) OTPC (JV of ONGC, Tripura State and IL&FS)	726.6					- Gas Sales & Purchase Agreement (GSPA) executed between OTPC and ONGC. - BHEL appointed M/s SNC Power Corp. (P) Ltd., as civil contractor for the project. - LOI for Logistics has been placed on M/s ABC India Ltd on 17.3.10. - MoU signed on 30.11.10 for transportation of ODCs through Bangladesh’s river and road routes. - Major long lead items ordered namely GT, Rotor forgings, STG etc. Unit -1 Synchronized with NER Grid in CC mode on 22.10.12 & achieved full load on 03.01.13 for a short duration. Unit-II HRSG hydro test expected by 03/13. GT& GTG, ST & STG, Condenser shell, Tube support plate, baffle plate etc are installed. GTG oil flushing completed & barring gear by 3/13. STG oil flushing expected in 03/13 and barring gear by 05/13. BFP piping, CW piping, condenser tube insertion and cabling laying are under progress. Full load in CC mode by 07/13
	U#1	363.3	12/11	-	22.10.12 03.01.13 07/13	-	
	U# 2	363.3	03/12	-		-	
	Date of Approval by State Govt.		15.01.2007				
	Org. Est. cost		:Rs. 342900 lakhs				
	Latest cost		:Rs. 342900 lakhs				
	Exp. During 2008-9		: Rs 34737 lakhs				
	Exp. During 2009-10		: Rs 10300 lakhs				
	Exp. During 2010-11		: Rs. 96900 lakhs				
	Exp. During 2011-12		: Rs 66700 lakhs				
	Exp. During 2012-13(upto 12/12)		: Rs 56300 lakhs				
	Comm. Exp. Upto 12/2012		: Rs 272500 lakhs				
	Financial closure		: July’09				
	Type of fuel		: Natural Gas(base fuel)				
	Fuel Source		: From ONGC basin through pipeline				
	Date of Main Plant Order		: 23.06.2008 on M/s BHEL (EPC)				
	Zero date of the project		: 23.06.2008				
	Power Evacuation		1. 400 kV Pallatana- Silchar D/C line with twin Lapwing conductor 2. 400 kV Silchar-Bongaigaon D/C line with twin Lapwing conductor 3. New 2x200 MVA 400/132 kV substation at Silchar (Assam) 4.Pallatana- Surajmani Nagar 400 kV DC charges at 132 kV				
	Critical Areas		•Transportation of heavy equipments to site. •Slow progress of civil works/ BOPs. •Transmission Lines/Power Evacuation. •Availability of start up power. •Non availability of cable (180Km) •Repair of damaged CEP & supply of missing/ damaged items				

NEYVELI LIGNITE CORPORATION

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
1.	Neyveli TPS-II Exp* NLC(Distt. Cuddalore, TN.)	500					- Tata Consulting Engineers, Bangalore, appointed as project consultant. - Switch yard charged on 19.09.2009. CW system: Trial operation for U-II CW system carried out and completed on 27-06-12. PT plant commissioned. Chimney: and both CTs are completed. CTs taken into service. Startup: power: made available from 05-10-10. LHS: Lime handling system is in progress for U-2. Conveyor trial run up to U-2 completed. AHS: U-1 Ash handling system was taken in service for ash evacuation. Ash handling system completed for U-2. Preliminary operation for unit completed and initial operation is in progress for U-2. RO/DM: plant commissioned on 20-04- 2011. FP System: completed and is in service. <u>Unit-1</u> Boiler: erection commenced on 28.04.2007. Boiler Drum lifted on 06.02.2008. Welding joints and pressure parts completed EDTA cleaning completed. Refractory work completed on 10.02.11 HT: conducted on 27/ 06/2009. BLU: done on 28-02-11. TG: Condenser and TG erection completed (04/10). Oil flushing activity completed. TG taken on barring gear on 18/02/1. - Boxed up done in 01/10. ESP: works completed. - Unit was synch on 18-05-11. Lignite firing done on 22-06-11. Blr re-lighted up on 23-01-12 and Re-synchronised on 25th Jan 12. The Unit achieved Full Load on 04-02-2012 at 22:42 hrs. Presently the unit is under forced shut down from 25-11-12 for refractory rectification and re-designing of SH/RH coil supports in all four FBHEs under progress. <u>Unit-2</u> Boiler: erection commenced on 25.07.07 and Boiler Drum lifted on 31.05.2008. Pressure parts, cyclones, FBHEs, fans and ducts erection in progress. All welding joints completed. Insulation erection is in progress. Refractory: started on 02-04-11. Refractory work and drying out of refractory is completed. HT: conducted on 30/ 07/2010. Re-heater HT was completed on 24-12-12. BLU: Trial light up done on 28-02-13. BLU is expected in 03/13. Condenser: erection started on 16/ 06/09 Box-up: LP Turbine boxed up in 05/11. Turbine: erection started in 06/09. LP Turbine case leveling is completed. Generator stator lifted & positioned. Oil flushing, TG deck floating completed. TG put on barring gear on 09-08-12. ESP: Emergency electrodes erection completed pass and ESP is ready for functioning.	
	U-1	250	11/08 02/09	02/09	05/11(A) 02/12(A)	06/13		
	U-2	250	03/09 06/09	06/09	08/13 09/13	10/13		
	Date of TEC	19.8.02						
	Date of Sanction	18.10.04						
	Sanctioning Authority	CCEA						
	Est. Approved Cost	Rs 203078.00 Lakh						
	Latest Cost.	Rs 302729.00 Lakh						
	Exp. during 2004-2005.	Rs 585.00 Lakh						
	Exp. during 2005-2006.	Rs 16175.00 Lakh						
	Exp. during 2006-2007.	Rs 25239.00 Lakh						
	Exp. during 2007-2008.	Rs 73489.00 Lakh						
	Exp. during 2008-2009	Rs 50789.00 Lakh						
	Exp. during 2009-2010	Rs 28550.00 Lakh						
	Exp. during 2010-2011	Rs. 20877.00 Lakh						
	Exp. during 2011-2012	Rs. 24584.00 Lakh						
	Exp. during 2012-2013 (up to 11//2012)	Rs. 12090.00 Lakh						
	Total Expenditure	Rs 2537.63 Crores						
	Type of Fuel	Lignite						
	Date of Main Plant Order	:19-08-2005 on M/S BHEL						
	Zero Date	:19-8-2005						
	Fuel Linkage : Lignite linkage for 4.5 MTPA is available from Neyveli Exp. Mine-II vide Min. of Coal & Mines letter No. 43011/3/2004-Lig/CPAM dated. 18.10.04.							
	Associated Transmission System: PGCL is executing the following transmission line. Neyveli TS-II – Pugalur 400 kV D/C line charged on 19.09.2009.							
	* Project slipped from 10th plan							
Note:- Unit -1 was under forced shut down from 20-03-12 due to puncture in super heater coil in FBHE 2 and for refractory rectification works. Unit was in service from 08-11-12 to 25-01-12. Presently under shut down due to damage of refractory in seal pot-2.								
Critical Areas		1. Shortage of HP Welders and Manpower 2. Refractory work for U-2. Replacement of bed material of U-1 3. Supply of Lignite bunker material 4. Repairing of punctured boiler tubes in U-1 5. Slow refractory work in U-2 and civil works in BFP house, Bed Ash and lime handling system areas. 6. Commercial issues between M/s BHEL and their sub contractors slowed down progress of works for last one year.						

STATE
&
PRIVATE
SECTOR

NORTHERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN DELHI

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
I.	PROJECTS UNDER CONSTRUCTION						
	STATE SECTOR						
1.	Pragati III Power Project, Bawana Pragati Power Corp. Ltd.,GENCO, (Delhi) Block-I GT-1 3x250 GT-2 ST-I Block-II GT-3 3x250 GT-4 ST-II	1500 750 750	<u>03/10</u> 3/10 <u>05/10</u> 5/10 <u>07/10</u> 7/10 <u>07/10</u> 7/10 <u>09/10</u> 09/10 <u>11/10</u> 11/10		<u>10/10 (A)</u> 10/10 (A) <u>2/11(A)</u> 2/11(A) <u>10/11 (A)</u> 02/12 (A) <u>06/12(A)</u> 06/12(A) <u>03/13</u> 04/13 <u>03/13</u> 06/13	 04/12 06/13	a) LOI issued to BHEL on 30.4.08. b) Contract signed on 30.5.08. c) Advance issued on 13.6.08. <u>GT#1</u> - Synchronised on 11.10.2010. - Commissioned on 24/10/10. - COD on 27.12.2011 in open cycle. <u>GT#2</u> - Synchronised on 09.02.2011. - Commissioned on 17/02/11. - Declared on COD wef 16.07.2012 (open cycle) and in combined cycle mode wef 14.12.2012. <u>ST#1</u> - Synchronized on 03/10/2011 - Commissioned on 29/02/12 - ST-1 with GT-1 on COD wef 01.04.2012. Now complete module- I (GT-1 +GT-2 +ST-I) is in combined cycle mode Wef 14.12.2012. <u>GT #3</u> - Synchronised on 26.06.2012. - Commissioned on 27/06/12. - COD expected in 03/2013. <u>GT #4</u> - Priliminary alignment of GT and Generator done. - All firing nozzle assembly completed. - GT enclosure in progress. - Cooling and sealing line work is in progress. - Exhaust diffuser assembly completed. - Bypass stack work is in progress. - Filter house: 6 out of 7 air filter module erected at position. - Synchronisation /Commissioning expected in 04/13. <u>STG-2</u> - Final alignment of Generator , HP, LP and IP turbine completed. - Generator – Stator placed on foundation and rotor thread in. - Oil flushing in progress. - EOT crane erection completed. - Foundation ring erection of CEP completed. - Condenser tube insertion work in progress. - Commissioning expected in 06/13 - Commercial operation will be after availability of gas.
	Critical Areas	Delay in Civil work of cooling tower. Inadequate manpower. Road and drainage system in poor shape . Drain is upto module –I and require to be extended.					

BROAD STATUS OF THERMAL POWER PROJECTS IN HARYANA

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

BROAD STATUS OF THERMAL POWER PROJECTS IN RAJASTHAN

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. Com.	COD	Syn. Com.	COD	
3.	Ramgarh CCPP ST-III RRVUNL (Distt. Baran)	160					BOPs IDCT: Erection works completed. Risers are to be connected with header which is still to be laid. Commissioning activities will be started on availability of start up power. DM Plant: DM Tank erection completed. DM building foundation work in progress. CWS & ACWS: ACW system is ready. Fore bay raft completed, side walls are yet to be constructed. Pipe fabrication work is in progress. Excavation for laying CW pipes not yet started. RW Reservoir: Works are in progress. Switch yard: All towers and gantry erected along with equipment. Equipment testing is in progress. 100 MVA, 220/132 kV ICT erected, testing to be done. Work completed for GT, STG, UAT and ICT transformers. GT: Alignment of gas turbine, generator and exciter with coupling completed. Fuel. GT oil flushing started on 03.11.12 and completed on 25-12-12. Control room A/C and fire fighting work is in progress. Cranking done on 05-03-2013 Cranking: done on 05-03-13 and GTG was run on full speed with no load. Unit synchronized on 20-03-2013 and achieved full load on same day ie on 20-03-2013. BTG HRSG: erection completed. Hydro test is expected in March 13. Stack: Main stack and by-pass stack completed. STG Building: STG deck casted on 30.10.12. TG floor casting completed. Erection of condenser and TG yet to be started. - Floor beam, grid beam & tie beam of 1.25m, 5.75m & 9.75m erected in BC bay, floor of +1.5m has been casted, LT panel erection in progress.
GT	110	05/11 05/11		03/13(A) 03/13(A)			
ST	50	09/11 10/11	12/11	06/13 07/13			
Original Estimated cost		Rs. 64000 Lakh					
Latest Estimated cost		Rs. 64000 Lakh					
Expenditure during 2009-10		Rs. 9933 Lakh					
Expenditure during 2010-11		Rs. 23791 Lakh					
Expenditure during 2011-12		Rs. 12685.2 Lakh					
Expenditure During 2012-13 (up to 01/13)		Rs. 5824 Lakh					
Total Expenditure		Rs. 522.33 Crores					
Type of fuel		Gas					
Fuel linkage (FSA)		Finalised					
Zero Date		27-07-12					
Date of main plant Order		M/s BHEL on 18.08.2009					
Power evacuation system							
Critical Areas		- Delayed due to approval of BoP drawings - Welding of gas pipes					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
C	Private Sector						
1	Jalipa Kapurdi TPP Raj West power ltd. (Distt. Barmer)	1080					BOPs a) 6.6kV/440V dry type transformers and turbine MCC charged b) 183 km of RW pipeline laid. Unit-1 Unit synchronized on 17.08.09, commissioned on 16.10.09 and COD achieved on 26 th Nov. 09. Unit-2 Unit synchronized on 16 th June'10, achieved full load on 8.7.10 and COD on 4 th Oct. 10. Unit-3 Unit synchronized in 01.05.11, achieved full load on 2.11.11 and COD on 7 th Nov. 11. Unit-4 Unit synchronized on 18.07.11, full load and COD achieved on 23.12.11. Unit-5 Unit synchronized on 30.03.12, full load and COD achieved on 05-02-2013 Unit-6 Unit synchronized on 23.06.12, full load and COD achieved on 03-03-2013. Unit-7 Unit synchronized on 28-12-12, full load and COD achieved on 16-03-2013 Unit-8 Unit synchronized on 29-10-12, full load and COD achieved on 28-02-2013
U-1	135	09/09 (10/09)	10/09	08/09(A) 10/09(A)	11/09(A)		
U-2	135	10/09 (11/09)	11/09	6/10(A) 7/10(A)	10/10(A)		
U-3	135	12/09 (01/10)	01/10	05/11(A) 11/11(A)	11/11(A)		
U-4	135	02/10 (03/10)	03/10	07/11(A) 12/11(A)	12/11(A)		
U-5	135	05/10 (07/10)	07/10	3/12(A) 02/13(A)	02/13(A)		
U-6	135	07/10 (08/10)	08/10	6/12(A) 03/13(A)	03/13 (A)		
U-7	135	08/10 (09/10)	09/10	12/12(A) 03/13(A)	03/13(A)		
U-8	135	11/10 (12/10)	12/10	10/12(A) 02/13(A)	02/13(A)		
Original Estimated cost			:Rs. 507500 lakhs				
Latest Estimated cost			:Rs. 608500 lakhs				
Expenditure During 2007-08			:Rs. 101886 lakhs				
Expenditure During 2008-09			:Rs. 236350 lakhs				
Expenditure During 2009-10			:Rs. 97093 lakhs				
Expenditure During 2010-11			:Rs. 73537 lakhs				
Expenditure During 2011-12 (up to 11/11)			:Rs. 22209 lakhs				
Expenditure During 2012-13			:Rs. -				
Total Expenditure			:Rs. 5328.75 Crores				
Type of fuel			Lignite				
Fuel Linkage		Captive coal mines from Jallipa & Kapurdi, 40,000 MT coal from Indonesia.					
Date of main plant Order		3/07 on M/s Dongfang Electric Corp.					
Power evacuation system		400 KV Jhodpur – 1 nos. and Barmer – 2 nos. 200KV, Dohrimanna – 2 nos. & Barmer – 1 nos.					
Critical Areas		• High labour turn out rate, acquisition of balance land for Jalipa lignite mine • Delay in development of Jalipa mine. • Availability of permanent power supply for pumping station • Availablity of fuel for achieving full load for units 6, 7 & and 8					

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.)	COD	Syn. (Com.)	COD	
PROJECTS INCLUDED IN 11 TH PLAN							
STATE SECTOR							
1.	Parichha TPS Extn. Stage-II UPRVUNL (Distt. Jhansi)	500					a) BTG contract has been placed on M/s BHEL on 28.06.2006. <u>Chimney:</u> (M/s NBCC) Reconstruction of Chimney under progress.
	Unit-5	250	04/09 06/09	07/09	02/12(A) 05/12(A)	07/12 (A)	b) <u>IDCT:</u> Near completion c) Civil work of Fuel oil handling system is in progress.
	Unit-6	250	08/09 10/09	11/09	09/12(A) 03/13(A)		Unit-5: a) Boiler Drum Lifted on 5.9.08. b) Boiler Hydro test conducted on 31.03.09. c) TG box up 24.04.10. d) Light up was done on 30/11/2011 with temporary chimney e) TG Barring Gear 20/01/12 f) Oil Synchronisation achieved on 05.02.2012. g) Coal firing started on 05.05.2012. h) Full load / commissioning achieved on 24.05.2012. i) Unit declared on COD wef 17/ 07/2012.
	Date of approval by State Govt.						Unit-6: a) Boiler erection started on 05.05.2008. b) Boiler drum lifted on 04.12.08. c) Boiler hydro test conducted on 16.11.09. d) Boiler light up done on 28.04.2012 with temporary chimney. e) EDTA cleaning completed on 17.05.2012. f) Permanent chimney handed over to BHEL on 08.08.2012 g) SBO started on 10.08.2012 and completed on 17.08.2012 h) Normalisation completed on 31.08.2012. i) TG boxed up on 20.05.2011 j) Oil flushing completed on 19.08.2012 k) TG put on bearing gear on 30.08.2012. l) Unit Synchronised on 17.09.2012. m) Coal firing done on 30.09.2012 n) Full load / commissioning achieved on 11.03.2013.
	Est. approved cost		Rs. 190000 lakhs				
	Latest Est. Cost		Rs.235600 lakhs				
	Exp. during 2006-07		Rs.22599 .13131 lakhs				
	Exp. during 2007-08		Rs 39227 .21711 lakhs				
	Exp. during 2008-09		Rs.65614 .87406 lakhs				
	Exp. during 2009-10		Rs.47252 .67843 lakhs				
	Exp. during 2010-11		Rs.24729 .28092 lakhs				
	Exp. during 2011-12		Rs.28038 .85342 lakhs				
	Commulative Exp upto 03/2012		Rs.227462 .03525 lakhs				
	Type of fuel		Coal				
	Fuel Linkage						
	Date of main plant order		28.06.2006 on BHEL (BTG) at Rs.122400 Lakhs. (Zero Date: 04.08.2006)				
	Power Evacuation system						

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Expected		
			Syn. (Com.)	COD	Syn. (Com.)	COD	
2.	Harduaganj TPS Extn. UPRVUNL (Distt. Aligarh)	500					• Zero date of the project is 07.09.06. • Site handed over to M/s BHEL on 29th March'07.
	Unit-8	250	08/09 09/09	10/09	8/11 (A) 09/11(A)	02/12 (A)	BOPs: • Chimney erection and flue can erection for U# 8 completed in 03/11. • PCC work of wagon Tippler-1&2 Completed • DM tank foundation completed. • Cooling Tower is ready
	Unit-9	250	12/09 01/10	02/10	04/12 (A) 05/12 (A)	06/13	
	Date of approval by State Govt.						
	Est. approved cost		Rs. 190000 lakhs				
	Latest Est. Cost		Rs. 260500 lakhs				
	Exp. during 2005-06		Rs. 41 . 00000 Lakhs				
	Exp. during 2006-07		Rs. 16476. 76386 lakhs				
	Exp. during 2007-08		Rs. 29264 . 83592 lakhs				
	Exp. during 2008-09		Rs.58955 . 22613 lakhs				
	Exp. during 2009-10		Rs 53853 . 20615 lakhs				
	Exp. during 2010-11		Rs 50644 . 85532 lakhs				
	Exp. during 2011-12		Rs 43248 . 10837 lakhs				
	Commulative Expd. Upto 03/2012.		Rs252483. 99576 lakhs				
	Type of fuel		Coal				
	Fuel linkage		1.943 MTPA of coal allotted by MOC from CCL vide MOC lr. no. 23011/ 87/ 2005/ CPD , dated 2.8.06 and CCL lr.no. CGM/PP/06/2/233-37 dated 8.9.06.				
	Date of main plant order		28.06.2006 on BHEL (BTG) at Rs.122400 Lakhs.				
	Power Evacuation		Existing 220 kV lines are sufficient for catering the load of these two units.				
Unit-8: • Boiler drum lifting completed on 25/01/09. • Boiler hydraulic test is done on 30.11.09. • BLU on 25/03/2011 • TG box comleted on 10.02.2011. • Unit Synchronised on 10/08/2011. • Unit Commissioned on 27/09/11. • Unit declared on COD on 01 / 02 / 2012							
Unit-9: • Boiler drum lifting completed on 31/03/09. • Unit Synchronised on 02/04/2012. • Full load \ Commissioning achieved on 25.05.2012. • COD expected in 06/2013							

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.	
	Marwa TPS (Dist: JanjgirChampa, CG) Chattisgarh)						1) Order issued to M/s BHEL for supply, erection, Testing & commissioning of BTG, Electrical and C&I of Rs. 1942 crores on 11.04.08. Civil works associated in BTG package issued on BHEL on 31.12.08. 2) MOE&F clearance obtained on 05.02.08. 3) Syn. of unit-1 is in 05/12 and COD is in 09/12 (45 months) and Syn. of unit-2 is in 07/12 and COD is in 11/12 (47 months).. 4) M/s Development Constructions Pvt.Ltd (DCPL, Kolkata) has appointed as consultants 5) NOC from AAI for new Chimney obtained on 12.05.09. 6) PPA: MOU executed with CSPDCL for sale of 100% power. 7) Construction of RCC Chimney and stack elevators work awarded to M/s Prasad & company, HYd., on 04.03.10 by BHEL- PSER . Raft is completed. Shell concreting up to 270 M completed. Beam erection work completed expect 265 m and flue can erection expected to start in 10/12 and completed 185/270m. Chimney will be ready by end of Feb.,13. 8) BTG civil works awarded to M/s Bride & roof, Kolkata on 24.08.09. TG foundations under progress. M/s Indwell has been awarded for boiler erection agency by BHEL-PSER and erection work started on 15.02.10. U-1: Boiler erection started on 15.02.10. Boiler drum of U-1 lifted on 06.08.10. , 31309/41612 MT of Pressure Parts + non-pressure parts +ESP erected. HT completed on 05.10.11. Non Drainable HT completed. BLU completed on 14.01.13. EDTA expected by the end of 01/13.SBO start expected on 15.02.13 and completed after 10 days (25.02.13). After that, normalization will take place with in 15 days. Syn expected in 03/13 (Middle) and full load end of March,13..(EDTA not done due to non- availability of Chemical. BHEL may arrange the chemical and EDTA will be start expected on 10.02.13 and completed on 18.02.13) MDBFP for both units and TDBFP for both the units completed. Rotating Machines: ID Fan-1A- Lun oil skid placed. ASPH -1B- Commissioned FD Fab-1A- Erection I/P-Silender erection completed. PA Fan- A- Erection I/P, Fan-B- Lub oil skid placed & piping fitting completed. Mills (RHS)- Lub oil skid 5/5 placed. Pipe fitting completed. Mills (LHS)- Journal opening- BTT 5/5 completed. TG-1: TG deck completed. TG erection started on 13.03.11 Stiffener rod welding under progress. LP piping under progress. HPT centering position checked and load taken on bearing 1 & 2. SG&TG inlet &outlet piping erection U/P.CEP IB erection U/P. Turbine Lub.oil Piping U/P. IP turbine outer casing & inner casing placed in position IP turbine final Box-up completed.Stator placed in position. TG box-up exp. in 03/13 (LPR upper casing not covered as on 31.01.13.TG lub Oil & MDBFP lub.oil flushing Under progress)
Unit-1	500	05/12	09/12	04/13	05/13 06/13		
Unit-2	500	07/12	11/12	09/13	10/13 12/13		
Dt of App. by State Govt		: 18.01.08					
Permission to establish		: Obtained on 05.05.08.					
Est. approved cost (11/08)		: Rs. 473500 lakhs					
Latest cost (02/09)		: Rs. 527730 lakhs					
Latest cost (05/10)		: Rs. 631800 lakhs					
Exp. Upto 03/07		: Rs 496.16 lakhs					
Exp. During 07-08		:Rs 321 Lakhs					
Exp. During 08-09		: Rs 39175 lakhs					
Exp. During 09-10		: Rs 49580 lakhs					
Exp. During 10-11		: Rs.100899 lakhs					
Exp During 11-12		Rs 143458 Lakhs					
Exp During 12-13(02/13)		Rs 118751 lakhs					
Total Cumm. Exp. (up to 02/13)		Rs 452680 Lakhs					
Type of fuel		Coal					
Financial Closure		: 31.03.08					
Zero date		: 11.04.08 for BTG and 25.08.09 for BOPs					
Date of Main Plant Order		: BTG on BHEL on 11.04.08 (supply, erection & commissioning of BTG and Electrical & C&I) BTG associated civil works-M/S BHEL ON31.12.08.					
Power Evacuation		Work of power evacuation is being taken up by CSP Trans. Co.Ltd.. 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.	U-2: Boiler erection started on 24.04.10 Boiler drum lifted on 6.3.11. 23778 MT erected. MDBFP for U-2 completed. HT Completed on 06.09.12 (Drainable). Duct support ESP to Chimney U-2 U/P. FD fan will be ready by 25.12.12. Pent house erection & Insulation work U/P. Coal pipe & damper erection U/P. BLU expected in 02/13. TG-2:TG deck completed. TG erection started on 18.10.11 All the bearing leveling completed (Catnery tubes). Condenser side wall welding work completed. Water fill test completed. HP turbine roll check ,horn drop and bump check completed. IP turbine placed in position & alignment U/P. LP rotor placed in position. Deaerator HT completed. HP heater-6B placed in position. 32 TSP placed in position and welding work U/P. Condenser water fill test completed. Lub-oil piping work U/P. TG box –up expected in 06/13 9) LOI issued for other BOPs through ICB route on M/s BGR on 25.08.09. 10) ESP: unit-I – Control building, flooring work in various floor U/P.. U-II: Slab casting under progress. 11) NDCT: U-1 Ring beam work completed and construction of tower shell completed. Basin raft,gutter raft, grillage column & precast beam C W channel are U/P. U:2: Ring beam work completed construction of tower shell U/P up to 88.2 m completed. CT will be ready by end of Feb.,13. 12) CHP: Track hopper work U/P and civil & structural work for TP-2 ,3,4,5,6,7,8 &10 . PCC &RCC works of Stacker/ re-claimer 11A-11B U/P. Track hopper MCC room civil works U/P. CHP will be ready by mid March,13. 13) AHP: Civil works under progress at ash silo & compressor room and HCSD pump house & MCC room. AHP will be ready by mid March,13. 14) Switch Yard: 220Kv Switch yard : Charged. 400 Kv : 51 Tower foundation work completed. & equipment foundation work 374completed and 23 Tower & 4 No Gantry erected Tower structure & equipment structure work 231 completed. Supply of material started by BHEL. About 124102 MT boiler material, 19572.117 MT of ESP material and 18431.68 MT of Turbo generator material was received at site as on 31.12.12
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	
Critical Areas	1) LOA received for taper linkage from SECL for 4.62 mtpa on 12.09.08. Coal linkage should be revised to minimum 5.00 mtpa. Requested CEA to take up the matter with MoC for enhancement of Coal linkage. FSA likely to be signed with shortly. 2) MOP has been requested to grant of Mega Power Project Status. 3) 422.692 Ha Pvt., Govt. land awarded and payment of compensation is in progress. 114.355 Ha forest land –stage-I clearance is obtained. Stage-II clearance is in progress. (i) PH area- 69.655 ha acquired/available, 124.658 ha – Awarded/Allotted. (ii) Ash Dyke & colony – Awarded, Disbursement of compensation in progress. (iii) Afforestation land 118.35 ha Awarded. 4) Parsa coal block has been allotted on 02.08.06 with GR of 150mt. HP and IP Turbine to be supplied. Exp. date was 07/12. Generator 09/12 for U-2. There was an accident in boiler area and one person loss his life on 18.12.12. work was stopped and resumed on 21.12.12. Water System is likely to be ready in time. CHP and AHP are critical. Switchyard is being expedited. Efforts are being made to expedite all critical activities. Delay in readiness of BOPs (work was earlier affected due to local strike). Now work resumed and contracting agencies be mobilized but instances of material pilferage was reported.	

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
Private Sector Projects							
1	Kasaipalli TPP (Chakabura Vill., Distt. Korba) M/s ACB (India) Ltd (Aryan Coal Benefications Pvt. Ltd)	270					a) LOA has been issued on 25.11.08 on M/s Cethar Vessels Ltd , Thiruchirapalli on EPC basis at a total cost of Rs. 800 cr + taxes & duties (CFBC Boiler). b) Land acquired. c) Allocation of coal is still awaited. d) PPA was signed with GUVNL on 26.02.07 . e) 10 MCM Water allocated in Jan.,08. f) Environment clearance issued by the SEIAA on 22.12.08.
	Unit-1	135	10/10	11/10	10/11 (A)	12/11 (A)	Condenser, Generator & Turbine for unit-1 &2 received at site .
	Unit-2	135	01/11	02/11	03/12 (A)	06/12 (A)	g) Cooling Towers: Cooling Tower-1: Completed Cooling Tower-2 :Completed. h)CHP : Commissioned. i)AHP: Commissioned. j)Chimney: Completed. Boiler:1
	Date of TEC		: Not Required				
	Date of Approval by State Govt.		: 14.07.08				
	Est. approved cost		: Rs.126700 lakhs				
	Exp. Up to 31.03.09		: Rs. 13000 lakhs				
	Exp. During 09-10		:Rs 27234 lakhs				
	Exp. During 10-11		: Rs . 54966 lakhs				
	Exp. During 11-12		: Rs 23600 lakhs				
	Exp. During 12-13 (06/12)		: Rs 5700 lakhs				
	Cumm. Exp. (up to 06/12)		Rs 124500 lakhs				
	Financial Closure		: 25.08.2009				
	Zero date		: 21.01.2009				
	Type of fuel		: Washery Rejects based COAL. Long term agreement for purchase of washery rejects signed on 20.06.07 with GSECL for 25 years.				
	Date of Main Plant Order		: on M/s Cethar Vessels Ltd in Nov.,08 (EPC)				
	Power Evacuation		: Open Access has been granted from Sipat Pooling Station of Power Grid on 16.03.09. BPTA has been signed with PGCIL.				
	Critical Areas		Long term linkage for one million tones for blending submitted on 22.09.06. The energy department GoCG has recommended on 16.07.07. Allocation of Coal is still awaited.. Problem in jacking oil pump. Spare not available. It is being arranged from China.				

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Ant..		
			Syn.	Comm	Syn.	Comm	
2	Swastik TPP M/s SPMRPL Kanberi vill Korba Distt.						CFBC Boiler awarded on 29.03.10 to M/s IJT, Noida and TG set awarded to Siemens, Baroda on 25.02.10 Land acquired. Water allocation: Allotted by Secretary (WRD) Govt. of Chhattisgarh MOEF Clearance: Obtained from Member Secretary , Chhattisgarh Environment Conservation Board. State Pollution Control Board Clearance: Obtained from Member Secretary, Chhattisgarh Environment Conservation Board. Civil Aviation Clearance: Obtained from Airport Authority of India. Unit-1: Boiler erection started on 16.11.10. Drum lifted on 10.03.11. HT completed on 02.03.12.. BLU expected 03/13. Synchronisation expected in 04/13. Full load expected in 05/13. (90% work completed in boiler area) . Boiler Refractory work of completed. TG: Condenser erection started on 01.04.12. Turbine erection started on 15.04.12. All major equipment placed on foundation in TG side and alignment work is completed; TG box-up completed and oil flushing will start on 25.01.13. Barring gear expected 25.01.13. CHP: Civil works under progress. Fabrication & erection of trestles of conveyors U/P. CHP will be ready by end of Feb.,13 AHP: Civil works under progress.AHP will be ready by end of Feb.,13. Cooling Tower: Erection work under progress. Ready Chimney: completed. Ready Project got delayed due to CHP contract revision by M/s OSM. Fund problem due to change in ownership. Delay in refractory work of boiler by M/s IJT Project got delayed due to delay in refractory work of boiler by M/s IJT and demobilization of site CHP and AHP work by M/s OSM- OSM wanted price escalation due to variation in weight of structure.- Matter resolved and time taken to re-mobilization of site . Super heater coil sent to Yamuna Nagar for proper welding.
Unit-1	25	06/12	06/12	03/13	05/13		
Date of TEC							
Date of Approval by State Govt.							
Est. Org. cost (1x20 MW)		: Rs 13600 Lakhs					
Latest Cost		: Rs. 14200 lakhs					
Exp. 2010-11		: Rs. 5805 Lakhs					
Exp. In the year 2011-12		: Rs 6263 lakhs					
Exp. In the year 2012-13 (10/12)		: Rs. 2084 lakhs					
Cumm. Exp. (up to 10/12)		: Rs14150 Lakhs					
Financial Closure		Achieved on 30.09.09					
Type of fuel		Washery reject coal					
Date of Main Plant Order							
PPA		PTC					
FSA		Under consideration with MOC					
Power Evacuation							
Critical Areas		Project is washery reject based for which policy is yet to be finalised by the Govt.					

Sl. No.	PROJECT DETAILS	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Act.(A) / Ant.		
			Syn.	Comm	Syn.	Comm	
4	Salora TPP (Katghora Tal; Distt. Korba) M/s Vandana Vidyut Ltd	540					a) LOA has been issued on 21.01.08 on M/s Cethar Vessels Ltd , Thiruchirapalli on BTG basis , Boiler : Cethar Vessels Ltd, Turbine Genarator: M/s Harbine Turbine Co.Ltd, China
	Unit-1	135	06/11	06/11	01/13	03/13	b) Land : Required 261 Ha , Possession : 260.899 Ha.
	Unit-2	135	09/11	09/11	07/13	08/13	c) Allocation of coal is from Fatehpur East Coal Block (Jointly) allotted by MOC and tapering coal linkage granted for 2x135 MW on 29.01.10 from SLC, LT meeting of MOC, for 2 nd phase of 1x270 MW under process with MoC. Carpet coal recommended for CEA for startup of 1 st unit.
	Unit-3	270			03/14	03/14	d) PPA was signed with CSPTCLL on 05.01.11
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	MOU with State Govt. on 04.05.07 and implementation agreement with state Govt. 01.08.09					
	Est. approved cost (2x135 MW)	: Rs.145844 lakhs					
	Exp. During 2009-10	:Rs 14441 lakhs					
	Exp. During 2010-11	: Rs . 43617 lakhs					
	Exp. During 2011-12	: Rs . 88942 lakhs					
	Exp. During 2012-13 (07/12)	: Rs . 2200 lakhs					
	Cumm. Exp. (up to 07/12)	Rs 149200 lakhs					
	Financial Closure	: Achieved in 08/2009					
	Zero date	:					
	Type of fuel	:					
	Date of Main Plant Order	: on M/s Cethar Vessels Ltd in Nov.,08 (BTG)					
	Power Evacuation	: PGCIL granted LTOA & BPTA executed on 24.02.10. LILO line construction is completed. Elect. Inspectorate ,CEA (WR) has given approval for LILO and 400 Kv switchyard on 04.08.12.					
e) 18 MCM Water allocated by WRD, Govt.of C.G from Hasdeo River.							
f) MOEF clearance obtained on 09.06.09.and State pollution clearance obtained on 09.03.09.Civil aviation clearance obtained on 24.04.09.							
g) Cooling :Under progress							
h)CHP : :Under progress							
i)AHP: Under progress							
j)Chimney: Flue can erection completed.							
Switchyard Back-charged on 29.09.12							
Boiler:1							
Erection of Boiler-1 started in 11/10. Boiler Drum lifted on 23.02.11. HT completed on 28.01.12.							
Explosive Approval obtained on 22.01.13 and oil will be arranged with in 3 days.. BLU completed on 06.03.13. SBO started and F.L exp. By end of 03/13.							
TG-1: TG erection started in 11/11and TG box-up completed on 10.05.12							
Letter issued by CEA to Chairman, CIL for 30000 T of coal for U-1 on 11.01.13.							
Boiler-2 : Boiler erection started in 11/10 and drum lifted in 04/11. HT completed in 10/12 and BLU by 03/13. Synchronization expected by 07/13 and full load by 08/13.							
TG-2: TG erection started in 11/11and TG box-up expected in 02/13							
Delay due to supply of boiler material & CHP material by M/s Cethar Vessels Ltd.and delay in getting of start up power. Delay due to agitation by the villagers at project site.							
BLU delayed due to problem in main steam valve. The main steam valve was replaced with another new valve on 22.02.13.							
Critical Areas		Start up / carpet coal MOU is pending with SECL. FSA execution is pending with SECL					

BROAD STATUS OF THERMAL POWER PROJECTS IN GUJARAT

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn ₂	Comm	Syn.	Comm	
	State Sector						
1	Pipavav CCPP, Ph-I,GSPC PIPAVAV Power Cop.Ltd. Distt: Amreli GPPC	702					1. All required clearances are available. 2. Sea water intake and outfall system is ready (GPPC). 3. Switchyard back-charging completed on 22.10.11. 4. Power evacuation arrangement ready for 900MW from 07/12. 5. BHEL, Hyderabad supplied GT-1 damaged compressor rotor for Blk-1. BHEL to replace by new balanced compressor rotor. 6. Blk-II GT erection progress was very slow due to poor support from BHEL-Hyderabad and less manpower of M/s Indwell. Poor quality of on base pipes has further delayed the erection work. 7. Work progress was slow on commissioning of RO-DM plant. 8. On 08.08.09, truck carrying GT-1 from Mudra port to Pipavav site fell into river due to collapse of 3rd span slab of the bridge over Shetrunji river near Bhavnagar (about 100 km from site). CMD, BHEL confirmed that new GT will be supplied to the site. 9. HRSG-1&2: HRSG -1 erection started on 24.11.09.Erection of HRSG-2. Started in 02/10. HRSG-1 , HT completed in 11/11. ABO & SBO start is on hold. HT for HRSG-2 completed in 10/12. ABO completed on 9.3.13. SBO started on 11.03.13 and completed on 14.03.13. 10. GT-1&2: Supply of GT-1 is received at site on 10.7.11 and GT-2 received at site on 01.12.11.GT-1 erection started in 09/11. Now work on Blk-I is on hold due to supply of damaged compressor rotor of GT-1. GT-2 erection started on 01.12.11. GT-2 Lube oil flushing completed. GT-2 turning gear operation achieved on 01.03.13. cranking of GT-2 done on 3.3.13. FSNL achieved on 06.03.13. GT-2 synchronization achieved on 13.03.13. 11. ST-I&II: ST-I supply of HP-IP & LPT turbine received at site. Erection started on 22.10.11. ST-I box up is expected on 31.03.13. ST-II supply (LP Rotor) completed in 12/11 and its erection started in 12/11. STG boxed up on 06.10.12. TG oil flushing completed. Steam dumping is expected on 23.03.13.Turning gear operation is expected on 24.03.13. ST-II synchronization is expected on 24.03.13. Combined cycle commissioning is expected by end of 03/13. 12. There is no provision of by pass stack hence GTs can not run in open cycle.
Block-I	351	07/10	09/10	6/13	07/13		
Block-II	351	10/10	11/10	03/13 (A)	03/13		
Date of TEC		: Not Required					
Org.Est. cost		: Rs.235429 Lakhs					
Latest cost		: Rs.254558 Lakhs					
Exp. Upto 03/08		: Rs. 23214 Lakhs					
Exp. During 08-09		: Rs. 8272 Lakhs					
Exp. During 09-10		: Rs. 40247 Lakhs					
Exp. During 10-11		: Rs. 55841 Lakhs					
Exp. During 11-12		: Rs. 69524 Lakhs					
Exp. During 12-13 (Upto 12/12)		: Rs. 7729 Lakhs					
Total Exp.(Upto 12/12)		:Rs.204827 Lakhs					
Financial closure		: 24/01/08					
Type of fuel		: Natural Gas(base fuel)/LNG (3.2 mcmd gas from GSPC)					
Source and supply of Fuel		: Gas supply agreement with M/s GSPC and Gas transportation agreement with M/s GSPL					
Date of Main Plant Order		: LOA on 27 /12 /07 , BHEL (actual order in March 08)					
Zero date of the project		: 29/03/08					
Notice To Proceed(NTP)		:29.03.08					
Power Evacuation		: 3 Double Ckt 220 kV line to be erected by GETCO: 1. Pipavav- Saverkundla line 2. Pipavav- Dhokabada line 3. Pipavav- Mahuva line					
	Critical Areas	Supply of pending DUs for GT-2 from BHEL Hyderabad and other BHEL units is critical. BHEL/BJCL is slow in execution of civil works.(less manpower) All the jobs of unit-1 on hold due to Gas Turbine rotor Damage since 12.02.12.FF system, ECP, RODM, CW&ACW DG set and Expansion bellows					

2.	UkaiTPS Extn. Unit-6 GSECL, Dist : Tapi, Gujarat	500	Commissioning Schedule				1. MOE&F clearance obtained on 13.06.08 2. All clearances received. 3. PPA under finalization. 4. Coal allocated from captive mines- Machhakata in Orissa.
			Original		Actual(A) / As now Expected		
			Syn.	Comm.	Syn.	Comm.	
	Unit-6	500	12/10	01/11	10/12 (A)	03/13 (A)	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.
Date of TEC		: Not Required					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.
Org.Est. cost		: Rs. 195000 Lacs					
Latest cost		: Rs. 213500 Lacs					
Exp. During 07-08		: Rs. 11750.00 Lacs					
Exp. During 08-09		: Rs. 23484.36 Lacs					
Exp. During 09-10		: Rs. 47076.96 Lacs					
Exp. During 10-11		: Rs. 62383.64 Lacs					
Exp. During 11-12		: Rs 40864.89 Lacs					
Exp. During 12-13 (up to 11/12)		: Rs 59983.35 Lakh					
Total Expenditure (upto 11/12)		: Rs.245570.00 Lakh					
Financial Closure		: 21.09.07					
Type of fuel		: Coal					
Date of Main Plant Order		: 07.09.07 .on M/s BHEL (EPC)					
Zero Date of the Project		: 06.10.07					
Critical Areas		Completion of water system, RHS Milling system,AHP&CHP. There was delay in placement of order for BOPs such as PT,DM,AC,FO,C&I, switchgear, HT/LT, power Transformer, Fire Protection and Insulation etc. Compactness of site.					

3.	Salaya TPP Ph-I. Unit-1&2 Essar Power, Gujarat	Capacity (MW)	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

1. HT completed on 13.09.11.

2. BLU completed on 26.02.12.

3. TG box up completed on 20.02.12.

4. Synchronised on 03.04.12.

5. **Full load achieved on 13.06.12**

6. **Achieved COD on 15.06.12.**

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

BROAD STATUS OF THERMAL POWER PROJECTS IN MADHYA PRADESH

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
	STATE SECTOR							
1.	SatpuraTPS Extn.(Sarni) (Dist. Betul) MPPGCL	500					Unit-10 - Boiler erection started on 08.04.10. - Drum lifted in 12/10. - Hyd test completed on 4.11.11. - BLU completed on 10.10.12. - SBO completed on 04.01.13. - TG deck casting completed on 30.4.11. - Condenser erection started in 7/11. - TG erection started in 12/11. - TG box up completed in 10/12. - TG oil flushing completed on 13.01.13. - TG on barring gear achieved on 30.01.13. - Synchronised on 22.02.13. - Coal bunkering started on 22.02.13. - Full load expected by 03/13.	
	Unit-10	250	01/12 02/12	03/12	02/13(A) 03/13	03/13	Unit-11 - Boiler erection started on 1/ 07/10. - Drum lifted in 2/11. - Hyd test completed on 30.04.12. - BLU expected by 04/13. - Condenser erection started on 18.08.12. - TG erection started on 11/12. - TG box up expected in 03/13. - Syn. Expected in 05/13. - Full load expected in 06/13. BOPs - NDCT: U-11- 45/72 lift of shell wall compl. - CHP: WT1 and Stacker mech. Work is u/p. Str. Erec. Of Primary and secondary crusher house is u/p. - DM Plant: Functional from 28.09.12. - AHP: Civil works u/p. 28020/52000 RM ash slurry pipeline completed. Water fill test of Bottom ash hopper U-10 comp. Ash silo-1 &2 Mech. Erec. u/p. - ST-10 bay of 400 KV switchyard commissioned and test charged on 16.08.12.	
	Unit-11	250	03/12 04/12	05/12	05/13 07/13	07/13		
	State Govt. approval	: Accorded on 29.06.06						
	Org Est. approved cost	: Rs. 235000 Lakhs						
	Latest Cost	: Rs. 303234 Lakhs						
	Exp.2007-08	: Rs. 15141 Lakhs						
	Exp. 2008-09	: Rs. 89 Lakhs						
	Exp. 2009-10	: Rs 10583 Lakhs						
	Exp. 2010-11	: Rs 57040 Lakhs						
	Exp. 2011-12	: Rs 83416 Lakhs						
	Exp. 2012-13 (Up to01/13)	: Rs 70580 Lakhs						
	Cumulative Exp Till 01/13.	: Rs 236849 lakhs						
	Zero Date	:27.02.09						
	Type of fuel	: COAL(Linkage awaited) By WCL for 1.85 mtpa.						
	MOEF clearance	: 27.02.09.						
	Project Consultant	: M/s Desein, Delhi						
	Main plant civil work agency	: M/s Sunil Hitech.						
	EPC for BOP	: M/s McNally Bharat.						
	PPA	: With MPtradco on 04.01.11						
	Evacuation System	: 400 kv Sarni-Ashtha Lines						
	Fuel	: FSA signed on 02.01.13 with WCL for 1.8513 MTPA						
	Date of Main Plant Order	: LOA placed on 31.03.08 on M/s BHEL (BTG)						
	Critical Areas	Delay in CHP and AHP.						

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A) / As now Expected			
			Syn. Comm	COD	Syn. Comm	COD		
	Private Sector							
1.	Bina TPP (Dist. Sagar) Bina Power Supply Co. Ltd.	500					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 04.03.12. - FL expected in 03/13.	
	Unit-1	250	06/11 08/11	09/11	8/12(A) 8/12(A)	8/12(A)		
	Unit-2	250	09/11 11/11	12/11	03/13(A) 03/13	03/13		
	State Govt. approval	:-						
	Org Est. approved cost	: Rs. 275000 Lakhs						
	Latest Cost	: Rs. 324000 Lakhs						
	Exp. 2008-09	: Rs 4000 Lakhs						
	Exp. 2009-10	: Rs 61300 Lakhs						
	Exp. 2010-11 (up to 1/11)	: Rs 82100 Lakhs						
	Cumulative Exp Till 6/12	: Rs. 295200 Lakhs						
	Zero Date	09/2009						
	Environment Clearance	05.08.09						
	Main Plant civil work agency	M/s Jaiprakash Associates Limited.						
	Power Evacuation	Open access approval received.						
	Financial Closure	Nov-09 for initial project cost.						
	Coal Linkage	LOA received, FSA with CCL signed. FSA with SECL in progress.						
	PPA	Finalised and Signed.						
	Date of Main Plant Order	: LOI placed on M/s BHEL on 20.09.08 (BTG).						
		Critical Areas						

BROAD STATUS OF THERMAL POWER PROJECTS IN MAHARASHTRA

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
	Private Sector						
1.	Tirora TPP ,Ph-I (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	1320					1. All clearances are available. 2. Zero date of the project is 06.09.07. 3. Mega status requested for the project. 4. Design & Engineering completed. 5. All the BOPs have been completed. <u>Unit-1</u> <u>Boiler</u>
	Unit-1	660	03/11	04/11	08/12 (A)	09/12 (A)	1. Boiler erection started on 07.10.09. 2. Boiler HT completed on 26.03.11. 3. BLU achieved on 29.02.12.
	Unit-2	660	06/11	07/11	01/13 (A)	03/13	4. SBO completed on 06.04.12. 5. Coal synchronization achieved on 28.08.12. 6. Achieved load upto 140MW with two mills meanwhile there was gas formation in GT (BHEL). GT is being replaced so full load will go to Sep.12. 7. Unit resynchronized on 02.09.12.
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.656000 lakhs					
	Latest Cost	:Rs. 730900 lakhs					
	Exp. upto 03/09	: Rs. 31835 lakhs					
	Exp. During 09-10	: Rs. 53304 Lakhs					
	Exp. During 10-11	: Rs. 365061 Lakhs					
	Exp. During 11-12	: Rs. 221400Lakhs					
	Exp. During 12-13 (Upto 12/12)	: Rs. 27300Lakhs					
	Total Exp.(upto 12/12)	:Rs. 698900Lakhs					
	Financial Closure	: Achieved on 20.08.09					
	Type of fuel	:Coal					
	Fuel Linkage	:Imported Coal (very low Sulphur & Ash content)					
	Date of Main Plant Order (Boiler-Babcock, China) (TG-BSTG,China)	BTG Contract awarded to SCMEC China on 28.02.08					
	Zero date of the project	: 28.02.08					
	Power Evacuation System:	yet to start					
	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.					
		8. Full load is achieved on 11.09.12. 9. COD achieved on 23.09.12 <u>TG</u> 1. TG erection started on 01.08.10. 2. TG Box up completed on 31.05.11. 3. Oil Flushing completed on 30.01.12. 4. TG put on barring gear on 15.02.12. <u>Unit-2</u> <u>Boiler</u> 1. Boiler erection started on 11.12.09. 2. Boiler HT completed on 31.08.11. 3. BLU is achieved on 12.12.12. 4. SBO started on 30.12.12 and completed on 07.01.13. 5. JTN work completed. 6. Rolling achieved on 25.01.13. 7. Coal synchronization achieved on 30. 01.13. 8. Full load is expected by 03/13. <u>TG</u> 1. Condenser erection started on 25.01.11. 2. TG box up completed on 26.04.12. 3. TG oil flushing completed in 11/12. 4. TG put on BG in 12/12.					

2.	Tirora TPP ,Ph-II (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	660					1. All clearances are available. 2. Zero date of the project is 06.09.07. 3. Design & Engineering is in progress. 4. The BOPs are common for three units. All the BOPs are ready. Unit-1 Boiler 1. Boiler erection started on 15.04.10. 2. Boiler HT completed on 26.03.12. 3. BLU achieved on 26.02.13. 4. SBO started on 16.03.13 completed on 20.03.13. 5. Normalization is in progress. 6. Coal synch. is expected on 31.03.13. 7. Full load is expected by 04/13. TG 1. Condenser erection started on 21.09.11. 2. TG erection started on 31.08.11. 3. TG Box up completed on 15.01.13. 4. TG oil flushing completed in 01/13. 5. TG put on BG on 25.02.13.
	Unit-1	660	09/11	10/11	03/13	04/13	
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A.					
	Org.Est. cost	: Rs.899300 Lakhs (Incl.cost of U-2&3also)					
	Latest Cost	:Rs.963500 lakhs(Incl.cost of U-2&3also)					
	Exp. upto 03/10	: Rs. 26822 Lakhs					
	Exp. During 10-11	: Rs. 96342Lakhs					
	Exp. During 11-12	: Rs. 358400Lakhs					
	Exp. During 12-13 (Up to 12/12)	: Rs. 124700Lakhs					
	Total Exp.(upto 12/12)	:Rs. 729500 Lakhs					
	Financial Closure	: Achieved on 18.09.09					
	Type of fuel	:Coal					
	Fuel Linkage	Imported Coal (very low Sulphur & Ash content)					
	Date of Main Plant Order (Boiler-Babcock, China) (TG-BSTG,China)	BTG Contract awarded to SCMEC China on 28.02.08					
	Zero date of the project	: 28.02.08					
	Power Evacuation System: Tirora- Warora 400kV D/C line	: Warora- Wardha 400 kV					
	D/C Line						
	Critical Areas	Adani is the owner of these lines and is expected to keep the commissioning of line matched with station though there is a forest clearance issue for 15 locations. Chinese visa issue. Tapering Linkage/Coal block in lieu of Lohara mines needs to be expedited					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
3.	Tirora TPP ,Ph-II (Distt: Gondia) M/s Adani Power Maharashtra Pvt. Ltd.	1320					1.All clearances are available. 2.Zero date of the project is 05.11.09. 3.Design & Engineering is in progress. 4.The order for all the BOPs have been placed and progressing as per schedule. BOPs are common for both the units. Unit-2 Boiler 1. Boiler erection started on 06.12.10. 2. Boiler HT completed on 25. 09.12. 3. BLU is expected in 04/13. 4. SBO completion is expected in 04/13. 5. Coal synchronization is expected in 05/13. 6. Full load is expected in 08/13. TG 1. Condenser erection started on 05.04.12. 2. TG erection started on 02.02.12. 3. TG box up is expected in 03/13. 4. TG oil flushing completion is expected in 03/13. 5. TG on BG is expected in 04/13. Unit-3 Boiler 1. Boiler erection started on 04.01.11. 2. Boiler HT completed in 10/12. 3. BLU is expected in 06/13. 4. SBO completion is expected in 07/13. 5. Coal synch. is expected in 08/13. 6. Full load is expected in 11/13. TG 1. Condenser erection start is expected in 08/12. 2. TG deck completed in 07/12. 3. TG erection started on 21. 09.12. 4. TG box up is expected in 06/13. 5. TG oil flushing completion is expected in 06/13. 6. TG on BG is expected in 07/13.
	Unit-2	660	05/12	07/12	05/13	08/13	
	Unit-3	660	08/12	10/12	08/13	11/13	
	Date of Letter of support from State Govt.		: 17.02.10				
	Org.Est. cost		: Rs.629000 Lakh				
	Exp. upto 03/10		: Rs. Incl in U-1				
	Exp. upto 03/11		: Rs. Incl in U-1				
	Exp. upto 03/12		: Rs. Incl in U-1				
	Exp. During 12-13 (Up to 12/12)		:Rs. Incl in U-1				
	Total Exp. Upto 12/12		:Rs. Incl in U-1				
	Financial Closure		: Achieved on 20.08.09				
	Type of fuel		:Coal				
	Fuel Linkage		:				
	Date of Main Plant Order (BTG is being sourced from SEC China)		EPC Contract awarded to SCMEC China on 05.11.09				
	Zero date of the project		: 05.11.09				
	Power Evacuation System: The power will be evacuated through 400kV Double Circuit line with quad conductor from Tirora to Warora and 765kV transmission system from Tirora to Koradi to Akola to Aurangabad. The construction of 400kV Double Circuit line is in full swing.						
	Critical Areas	Coal Allocation/ Long Term Coal Linkage for Unit#2 & Unit#3 is awaited from MoC.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
4.	Bela Thermal Power Project (Distt. Nagpur) M/s Ideal Energy Projects Limited (IEPL)	270					1. All required clearances are available. 2. Zero date of the project is 06.12.08. 3. Order for all the BOPs have been placed on 29.07.09 on M/s McNally Bharat Engg. Co.Ltd. Kolkata (MBE) on EPC basis. 4. FSA with SECL signed. 5. BHEL have opened site office on 16.08.09. 6. M/s MBE have mobilized site on 22.09.09.
	Unit - 1	270	10/11	12/11	03/13 (A)	03/13 (A)	
	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(01/13)	:Rs.32711 Lakhs					6. Boiler HT (Non-Drainable) completed on 24.02.12.
	Total Exp.(Upto 03/13)	:Rs164829 Lakhs					7. BLU achieved on 29.02.12.
	Type of fuel	: Coal					8. EDTA completed from 1.4.12 to 6.4.12.
	Fuel Linkage	:From WCL and MCL					9. SBO started on 04.05.12 and completed on 25.05.12.
	FSA	: FSA with SECL in progress.					10.Synch. achieved on 07.03.13.
	Financial closure	: Achieved in 10/09					11.Coal firing completed on 08.03.13.
	Date of Main Plant Order	: Placed on M/s BHEL on 6.12.08 for BTG.					12. Full load achieved on 20.03.13.
	Power Evacuation System: M/s IEPL has been granted connectivity & open access on 400KV Koradi-Wardha Double Circuit line.						13.COD is expected by 31.03.13.
	Critical Areas						TG 1. Condenser erection started on 20.09.10. 2. TG erection started on 20.09.10. 3. TG box up completed on 14.03.12. 4. TG oil flushing started on 28.05.12 and completed On 30.06.12. 5. TG put on BG on 12.09.12.
	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.	
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)	Unit-1
	Org.Est. cost	: Rs.160000 lakhs					Boiler
	Latest Cost	: Rs.160000 lakhs					1.Civil works started on 01.06.10.
	Exp. upto 03/10	: Rs 940 lakh					2.Boiler erection started in 10/10.
	Exp. During 10-11	:Rs 15440 lakh					3.Boiler drum lifting is completed.
	Exp. During 11-12	: Rs 86400 lakh					4.Boiler HT (ND) completed on 27.10.11.
	Exp. During 12-13 (Upto 12/12)	: Rs.9900 lakh					5.BLU completed on 27.03.12.
	Total Expenditure (upto 12/12)	:Rs.112700 lakhs					6.SBO started on 13.04.12 and completed on 27.04.12.
	Financial Closure	Expected in 10/10					7.Unit normalization completed.
	Type of fuel	:Coal					8.Synch achieved on 25.06.12.
	FSA	: Available					9.Coal Firing achieved on 25.06.12.
	Fuel Linkage	: Available, WCL, 1.11million tones per annum					10. Full load achieved on 17.08.12.
	EPC contract awarded to:	: M/s Reliance Infrastructure Limited.					11. COD pending for the want of coal.
	Date of Main Plant Order (Boiler &TG from SEC, China)	:BTG Contract awarded to Shanghai Electric Company China on 16.12.09.					TG
	Power Evacuation System: MSTECL Grid. 220 kV D/C power evacuation transmission line is ready for energisation.						1.Civil works started on 01.06.10.
	Critical Areas						2.TG erection started.
	There was problem in mills and turbine bearing, problem already attended. Mill commissioning is in progress.						3.TG Box up completed in 04/12.
							4.TG put on BG in 04/12.

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

SOUTHERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN ANDHRA PRADESH

BROAD STATUS OF THE PROJECTS IN THE TOWER PROJECTS							
Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / Anticipated		
			Syn. Com	COD	Syn. Com	COD	
	Meenakshi TPP Ph-I (M/s Meenakshi Energy Pvt. Ltd.) Distt.: SPSR Nellore, AP	2x150					• 564.90 Acres of land acquired for entire 1000 MW • MOE&F: Clearance obtained on 03-06-2009. • SPCB: Clearance obtained on 16-10-2008 from AP PCB. • Civil Aviation: NOC obtained on 21-12-2009 from AAI.
	Unit-1	150	08/11 09/11	10/11	06/12 A 09/12 A	10/12 (A)	• Water:100 Cusec/day sea water from Kandaleru Creek accorded by Principal Secy (FAC), Infrastructure & Investment (Ports-I) AP
	Unit-2	150	10/11 11/11	12/11	03/13 A 03/13	04/13	• Chimney: Shell completed (225 m). Flue cans erected. SOx &NOx analyzer is in operation. Chimney is ready from 20-05-12.
	Original Estd. Cost	: Rs 142000 lakh					
	Latest Estd. Cost	: Rs 142800 lakh					
	Expnd during 2008-09	: Rs. 4660.72 Lakh					
	Expnd during 2009-10	: Rs. 32576.64 Lakh					
	Expnd during 2010-11	: Rs. 50207.64 Lakh					
	Expnd during 2011-12	: Rs. 39852.70 Lakh					
	Expnd during 2012-13 (up to Feb 2013)	: Rs. 16566 Lakh					
	Total Expenditure	Rs. 1438.63 Crores					
	Financial Closure	: 10-07-2010 Loan agreement signed with SBI & other Banks, SBI as lead lender					
	Date of Main Plant Order :	: 10-08-2009 Boiler -Thermax Ltd,Pune TG - CNAICO,China					
	Fuel Linkage:	: FSA signed with M/s PTC for 150 MW. For balance quantity- Imported coal supply agreement signed with M/s Coal & Oil Company LLC as under: Supply of 500,000 MT standard coal with 10% variation for each full delivery of 12 months duration					
	Transmission System :	: BPTA signed with PGCIL for 600 MW on 24-02-2010. 400 KV MEPL – Manubolu (PGCIL) 27 km line is being executed by M/s Sujana Towers Hyderabad.					
	Power Purchase Agreement:	: PPA signed with M/s PTC on 14-08-08					
Critical Areas		1. Vibrations are being observed in 3rd bearing of U-1. The same is being attended by MEPL. The bearing was opened three times. Some foreign material was found inside. 2. U-2: Oil flushing is seeded critical as some material is seen. Although NAS value has been obtained as ‘5’. 3. Foreign particles are observed in oil. Bearing-1 is being opened. Expected to be completed during February, 2013.					

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

Critical Areas

Critical Areas

BROAD STATUS OF THERMAL POWER PROJECTS IN TAMIL NADU

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

Sl. No.	Project Details	Capa- city (MW)	Commissioning Schedule				Broad Status	
			Original		Actual(A)/ Expected			
			Syn. Comm	COD	Syn. Comm	COD		
2	North Chennai TPS St-II TNEB (Distt. Thiruvallur) U-2	1200					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 27.06.2008 & LOI to BHEL on 04.09.2008. - Advance released to BHEL on 16.08.08 & 30.03.09. BOPs are common for both units. Unit-II: Boiler (M/s UB Engg.): Erection started on 31.07.09. HT completed on 16.03.12. BLU done in 11.4.12, EDTA cleaning done on 24.6.12 & SBO completed on 09.10.12. After completion of safety valve floating, the unit was synchronized with oil on 17.12.12. Coal firing done on 2.2.13 and maximum load reached up to 100M. Unit was hand tripped due to some problem in fly ash evacuation system, boiler puncture at Super heater & economizer. After attending pending works again the unit was synchronized and achieved full load on 09.03.2013 by coal firing with oil support. TG & Condenser: Erection started on 24-05-2011. TG boxed up in 26/08/2012. Turbine put on barring gear on 12.10.12. FAHS In unit 2 A, B & C pass buffer hopper have been erected. Erection of D pass buffer is in progress. 2 lines are ready for evacuation of fly ash from buffer hopper to silo. Erection of slurry disposal line from mixing pot to slurry sump is in progress. Mechanical erection work in Vacuum pump house and Transport air compressor house are in progress. Pipe line erection works are in progress in ash slurry pump house. Slurry line from boundary wall up to railway crossing – civil foundation work is under progress. Inside boundary, slurry disposal pipe line 198m erected in 1st & 2nd stream and 60m erected in 3rd stream. However, Coal firing has been achieved with contingency arrangement. BAHS- In unit-2, submerged scraper chain conveyor, 2nos clinker grinders and intermediate conveyor were erected. Erections of main transport belt conveyor are in progress. Erection of standby SSSC is in progress. Erection of walkway platform and galleries in main transport belt conveyor is under progress. Erection work in tube settler & cooling tower are also in progress. Both bottom ash silos were positioned and shell welding is in progress. Bottom ash water pump house – Clear water pump -3Nos, LP water pump -3Nos and Economizer water pump -3Nos were positioned. Erection of Raw water pipe line is in progress. However, contingency arrangement has been made to evacuate bottom ash through truck till readiness of system. CHP: Erection of gallery structures completed for all conveyors. Erection and commissioning of one stream conveyor has been completed and unit-2 bunkers were filled through this conveyor. Erection work in another stream conveyor is in progress.	
		600	08/11 11/11	11/11	17.12.12 09.03.13	03/13		
	Date of Sanction	: 25.06.2008						
	Sanctioning Authority	: Govt. of Tamil Nadu						
	Org. Est. cost	: Rs.271875 Lakhs						
	Latest cost	: Rs.281358 Lakhs						
	Expd. during 2008-09	: Rs 21750 Lakhs						
	Expd. during 2009-10	: Rs 42018 Lakhs						
	Expd. during 2010-11	: Rs. 55987 Lakhs						
	Expd. during 2011-12	: Rs. 48540 Lakhs						
	Expd. during 2012-13 (Up to 02/13)	: Rs137.29 Crores						
	Total Expenditure (Till 02/13)	: Rs. 1820.24 Crores						
	Type of fuel	: COAL						
	Date of Main Plant Order	: 16-08-2008 (EPC) on M/s BHEL						
	Financial Closure	: Achieved. Tied up with REC by TANGEDCO						
	Zero Date	: 16-08-2008						
Critical Areas		1. Readiness of CHP & wet ash disposal system.						

EASTERN REGION

BROAD STATUS OF THERMAL POWER PROJECTS IN JHAKHAND PRIVATE SECTOR

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As Expected		
			Syn. Comm	COD	Syn. Comm	COD	
1	Mahadeo Prasad STPS Adhunik Power & Natural Resources Ltd. (Distt. Saraikela) Jharkhand U-1 U-11	540					- Letter of Acceptance for Main Plant Order (EPC) issued to M/s BHEL on 19.05.2009. BOPs are common for both units. Unit-I: Boiler: Erection started on 23.03.10 and completed. Mill and PA system commissioning is in progress. Non drainable hydro test done on 17.03.12. FD fan no load trial run completed. ID fan cable laying completed trial run will be done soon. Boiler steam blowing completed. - Boiler drum lifted on 27-08-10. HT: Conducted on 07-09-2011. BLU: completed on 20.04.2012 TG and condenser erection completed. Generator to Transformer back charged on 24.9.12, TG put on barring gear & Generator transformer charged. TG Boxed up on 24.11.2011 CHP: Erection of Stacker & Reclaimer are under progress Crusher erection completed and RBF belt joint completed in crusher house. Conveyor 8A/B & 9A/B commissioned. Coal feeding started in TP-7. Alignment work in progress in conveyor 3C Unit synchronized (100MW) on 13.11.12 & Achieved Full load on 19.11.12. COD declared w.e.f. 21.01.13. Unit-II: Boiler: Erection started on 31.10.10, 90% completed. ESP- passes A & B completed. Boiler drum lifted on 20-02-11 HT: done on 20-03-2012 Drainable hydro test done on 20.03.12 & non drainable completed on 12.10.12. FD fan no load trial run completed. ID fan & APH oil flushing completed. BLU completed on 16/10/2012. EDTA completed on 25/1/13. SBO completion expected by 03/13. TG & Condenser: - Hot well erection completed, HP, IP & LP Turbine placement and alignment completed. Generator erection under progress. TG Box up & oil flushing completion expected by 03/13. - Erection of Lube oil system piping in the MOT room under progress. - Erection of Stacker & Reclaimer and Crusher are under progress.
		270	<u>08/11</u> 10/11	11/11	<u>11/12</u> 11/12	01/13	
		270	<u>08/11</u> 10/11	11/11	<u>04/13</u> 06/13	06/13	
	Date of Financial Closer	: Financial Closer achieved					
	Org. Est. cost	: Rs. 3151 Crores					
	Expd. during 2010-11	: Rs. 1150 Crores					
	Expd. during 2011-12	: Rs. 1300 Crores					
	Expd. during 2012-13	: Rs. 400 Crores					
	Total Expd. till date (Up to Feb., 2013)	: Rs. 2980 Crores					
	Type of fuel	: COAL					
	Date of Main Plant Order	: 19-05-2009 (EPC) on M/s BHEL					
	Financial Closure	Achieved. Joint loan documentation signed on 29.07.2008 for U-1 & 03.03.2010 for U-2					
	Zero Date	: 19-05-2009					
Critical Areas		1. Delay in readiness of CHP & switchyard.					

BROAD STATUS OF THERMAL POWER PROJECTS IN ODISHA

[illegible]