



**भारत सरकार  
विद्युत मंत्रालय**

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

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

**February - 2015**



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

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

## **FOREWORD**

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

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

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

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

**Place: New Delhi**  
**Dated: 26<sup>th</sup> March, 2015**

**(Mam Chand)**  
**Chief Engineer (TPM)**

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### **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
<b>SUMMARY</b>		
1.0	11 <sup>th</sup> Plan capacity addition programme	01
1.0 (A)	12 <sup>th</sup> Plan capacity addition programme	02
1.1 (A)	Thermal/ Hydro capacity addition during 12 <sup>th</sup> plan	02
2.0	Thermal Capacity addition during the year 2007-08	03
2.1.	Thermal Capacity addition programme for the year 2008-09	04
2.2.	Thermal Capacity addition programme for the year 2009-10	05-06
2.3.	Thermal Capacity addition programme for the year 2010-11	07-08
2.4	Thermal Capacity programmed for commissioning during the year 2011-12	09-10
3.0	Thermal Units Programmed for Commissioning During 2012-13	11-12
3.1	Thermal Units Programmed for Commissioning During 2013-14	13-14
3.2	Thermal Units Programmed for Commissioning During 2014-15	15(I)-15(II)
4.0	THERMAL POWER PROJECT UNDER CONSTRUCTION IN THE COUNTRY	16-23
<b>CENTRAL SECTOR PROJECTS</b>		
<b>1.</b>	<b>NATIONAL THERMAL POWER CORPORATION LTD.</b>	<b>24-25</b>
	Barh STPP St-II, Unit-5 (Dist: Patna), Bihar	24
	Muzaffarpur TPS (Kanti TPS), Unit-3	25
<b>2</b>	<b>DAMODAR VALLEY CORPORATION</b>	<b>26-26</b>
	Raghunathpur TPP Ph-I, Unit-1	26
<b>3</b>	<b>OTPC</b>	<b>27-27</b>
	Palatana CCPP (Tripura CCPP), Block-2	27
<b>4.</b>	<b>NLC</b>	<b>28-28</b>
	Tuticorin TPP, Unit-1 & 2, T.N.	28
<b>STATE &amp; PRIVATE SECTOR PROJECTS</b>		
<b>Northern Region</b>		
<b>5.</b>	<b>Punjab</b>	<b>29-31</b>
	Talwandi Sabo TPP, Unit-1 & 2	29
	Rajpura TPP (Nabha), Unit-2	30
	Goindwal Sahib TPP, Unit-1	31
<b>6.</b>	<b>Rajasthan</b>	<b>32-34</b>
	Kalisindh TPP, Unit-1 & 2	32
	Chhabra TPS Extn., Unit- 4	33
	Ramgarh CCPP, ST-III	34
<b>7.</b>	<b>Uttar Pradesh</b>	<b>35-35</b>
	Anpara-D TPS, Unit-6	35
<b>Western Region</b>		
<b>8.</b>	<b>Chhattisgarh</b>	<b>36-39</b>
	Marwa TPS, Unit-2	36-37
	Swastic TPP, Unit-1	38
	Salora TPP, Unit-1	39
<b>9.</b>	<b>Madhya Pradesh</b>	<b>40-40</b>
	Shree Singaji TPP (Malwa), Unit-2	40

<b>10</b>	<b>Maharashtra</b>	<b>41-48</b>
	Chandrapur TPS Extn., Unit-8	41
	Koradi TPS Expn. Unit- 8 & 9	42
	Parli TPS, Unit-8	43
	Amravati TPP Ph-I, Unit-3	44-45
	Nasik TPP Ph-I, Unit-2	46-47
	Dhariwal TPP, Unit-2	48
<b>Southern Region</b>		
<b>11.</b>	<b>Andhra Pradesh</b>	<b>49-51</b>
	Vizag TPP, Unit-1	49
	Damodaram Sanjeevaiah TPP, Unit-1 &2	50
	Pynampuram TPP, Unit-1	51
<b>Eastern Region</b>		
<b>12.</b>	<b>Orissa</b>	<b>52-52</b>
	Derang TPP, Unit-1	52
<b>13.</b>	<b>West Bangal</b>	<b>53-53</b>
	Haldia TPP, Unit-1	53

## 1.0 11TH PLAN CAPACITY ADDITION PROGRAMME

### 1.1 TOTAL CAPACITY ADDITION (MW) PROGRAMME DURING 11<sup>TH</sup> PLAN (AS PER ORIGINAL TARGET) (MW)

Thermal	Hydro	Nuclear	Total
59693	15627	3380	78700

### 1.2 TOTAL CAPACITY ADDITION (MW) PROGRAMME DURING 11<sup>TH</sup> PLAN (AS PER MID TERM TARGET) (MW)

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

### 1.3 TOTAL CAPACITY COMMISSIONED DURING 2007-08 (MW)

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

### 1.4 TOTAL CAPACITY COMMISSIONED DURING 2008-09 (MW)

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

### 1.5 TOTAL CAPACITY COMMISSIONED DURING 2009-10 (MW)

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

### 1.6 TOTAL CAPACITY COMMISSIONED DURING 2010-11 (MW)

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

### 1.7 TOTAL CAPACITY COMMISSIONED DURING 2011-12 (MW)

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

**1.0 (A) 12TH PLAN CAPACITY ADDITION PROGRAMME (MW)**

<b>THERMAL</b>	<b>HYDRO</b>	<b>NUCLEAR</b>	<b>TOTAL</b>
<b>72340</b>	<b>10897</b>	<b>5300</b>	<b>88537</b>

**1.1 (A) THERMAL / HYDRO CAPACITY ADDITION DURING 12<sup>TH</sup> PLAN (MW)**

<b>YEAR</b>	<b>THERMAL</b>	<b>HYDRO</b>	<b>Total</b>
<b>2012-13</b>	20121.80	501.00	20622.80
<b>2013-14</b>	16767.00	1058.00	17825.00
<b>2014-15 (Upto 27.03.2015)</b>	18534.9	336.01	18870.91
<b>Total</b>	<b>55423.7</b>	<b>1895.01</b>	<b>57318.71</b>

## 2.0 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2007-2008

SI No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Schedule	Actual date of Comm.	Cap. Added (MW)
<b>A</b>	<b>CENTRAL SECTOR</b>							
1	Bhilai TPP	Chhattisgarh / NTPC & SAIL JV	U-1 U-2	250 250	03/2009	04/2008 10/2008	Slipped	
2	Sipat STPS-I	Chhattis/ NTPC	U-1	660	04/2004	06/2008	Slipped	
3	Sipat STPS-II	Chhattis/ NTPC	U-4 U-5	500 500	12/2003	10/2007 04/2008	27.05.07(A) U-5 Slipped	500
4	Kahalgao STPS-II (Ph-I & II)	Bihar/NTPC	U -6 U -7	500 500	07/2003 03/2004	09/2007 07/2007	16.03.08(A) U-7 slipped	500
5	Ratnagiri Gas Power Project	Mah. /Ratnagiri Gas & Power Pvt. Ltd.	Block-3	740	05/1999	01/2007	28.10.07(A)	740
6.	Meija 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	
		<b>Sub Total (A)</b>		<b>4650</b>				<b>1990</b>
<b>B</b>	<b>STATE SECTOR</b>							
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	Santaldih TPP	WB / WBPDC	U-5	250	07/2004	01/2007	07.11.07(A)	250
9	Sagardighi TPP	WB / WBPDC	U-1 U-2	300 300	07/2004	01/2007 04/2007	21.12.07(A) U-2 Slipped	300
10	Bakreshwar TPS-II	WB / WBPDC	U-4 U-5	210 210	11/2004	06/2007 09/2007	23.12.07(A) U-5 Slipped	210
11	Yamuna Nagar TPP	Haryana/HPGCL	U-1 U-2	300 300	09/2004	10/2007 01/2008	13.11.07(A) 29.03.08(A)	300 300
12	AmarkantakTPS Extn.	MP/ MPPGCL	U-5	210	09/2004	04/2007	Slipped	
13	Valuthur CCPP Extn.	TN/TNEB	GT ST	60 32.2	05/2006	11/2007 02/2008	Slipped	
14	Durgapur TPS Extn.	WB/DPL	U-7	300	07/2004	01/2007	24.11.07(A)	300
15	Sanjay Gandhi TPP Extn. St.III (Birsinghpur)	MP/MPPGCL	U-5	500	08/2003	09/2006	18.06.07(A)	500
16	Paras TPS Extn	Maharastra/MSPGCL	U-1	250	05/2004	11/2006	31.05.07(A)	250
		<b>Sub Total (B)</b>		<b>5017.2</b>				<b>3880</b>
<b>C</b>	<b>Private Sector</b>							
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	
		<b>Sub Total ©</b>		<b>3037</b>				<b>750</b>
		<b>GRAND TOTAL(A+B+C)</b>		<b>12704.2</b>				<b>6620</b>

## 2.1 THERMAL UNITS TARGET & ACHIEVEMENT DURING 2008-09

Sl No	Project Name	State/ Imple. Agency	Unit. NO	Target Cap. MW	LOA Date	Org. Comm. Schedule	Actual date of Comm.	Cap. Added (MW)
A	<b>CENTRAL SECTOR</b>							
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	Kahalgaoon 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 Lignite	Rajasthan/ NLC	U-1 U-2	125 125	12/2005	12/2008 06/2009	Slipped Slipped	
		<b>Sub Total (A)</b>		<b>2910</b>				<b>750</b>
B	<b>STATE SECTOR</b>							
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	<b>250</b>	06/2006	09/2008	Slipped	
12	Vijaywada TPP –IV	AP/ APGENCO	U-1	500	07/2005	12/2008	Slipped	
		<b>Sub Total (B)</b>		<b>2957.2</b>				<b>852.2</b>
C	<b>Private Sector</b>							
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.	Maharastra/ 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	
		<b>Sub Total I</b>		<b>3437</b>				<b>882.5</b>
		<b>GRAND TOTAL(A+B+C)</b>		<b>9304.2</b>				<b>2484.7</b>

- 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.
<b>I</b>	<b>COMMISSIONING ASSURED</b>						
<b>A</b>	<b>CENTRAL SECTOR</b>						
1	Kahalgaon STPS-II (Ph-I & II) U-7	Bihar/ NTPC	500	03/2004	07/2007	500	31.07.09(A)
2	Bhilai Extn. TPP U-2	Chhattisgarh / NSPCL (NTPC & SAIL JV)	250	03/2009	10/2008	250	12.07.09(A)
3	Chandrapura TPS Extn U-7 U-8	Jharkhand / DVC	250 250	06/2004	02/2007 04/2007	250 250	04.11.09(A) 31.03.10(A)
4	Barsingsar Lignit U-1	Rajasthan/ NLC	125	12/2005	12/2008		slipped
5	NCP Project St-II U-5	U.P/NTPC	490	07/2006	08/2010	490	29.01.10(A)
		Sub Total (A)	1865			1740	
<b>B</b>	<b>STATE SECTOR</b>						
1	Vijaywada TPP –IV U-1	AP/ APGENCO	500	07/2005	12/2008	500	08.10.09(A)
2	Kutch Lignite Extn U-4	Gujarat/ GSECL	75	01/2004	08/2006	75	01.10.09(A)
3	Surat Lignite TPP Extn. U-3	Gujarat/ GIPCL	125	03/2006	11/2008		slipped
4	Utran CCPP Extn GT ST	Gujarat/ GSECL	240 134	04/2007	06/2009 08/2009	240 134	08.08.09(A) 10.10.09(A)
5	Rajiv Gandhi TPS, Hissar U-1	Haryana/ HPGCL	600	01/2007	12/2009	600	Commissioned
6	New Parli TPP U-2	Maharastra/MSPGCL	250	08/2006	07/2009	250	10.02.10(A)
7	Paras TPS Extn. U-2	Maharastra/MSPGCL	250	08/2006	09/2009	250	27.03.10(A)
8	Chhabra TPS U-1	Rajasthan/RRVUNL	250	03/2006	11/2008	250	30.10.09(A)
9	Giral Lignit- II U-2	Rajasthan/RRVUNL	125	11/2005	08/2008	125	06.11.09(A)
10	Kota TPP U-7	Rajasthan/RRVUNL	195	06/2006	02/2009	195	31.08.09(A)
11	Suratgarh TPP –IV U-6	Rajasthan/RRVUNL	250	06/2006	09/2008	250	29.08.09(A)
12	Bakreshwar TPS-II U-5	WB / WBPDCCL	210	11/2004	09/2007	210	07.06.09(A)
		Sub Total (B)	3204			3079	
<b>C</b>	<b>PRIVATE SECTOR</b>						
1	Gautami CCPP GT -1 GT- 2 ST	AP/ Gautami Power Ltd.	145 145 174	09/2003	02/2006 02/2006 07/2006	145 145 174	03.05.09(A)
2	Konaseema CCPP GT-1 GT-2 ST	AP/Konaseema Gas Power Ltd.	140 140 165	03/2001	10/2005 03/2006 03/2006	140 140 -----	05/09(A) 05/09(A) Slipped
3	Lanco Kondapalli Ext. Ph-II GT ST	AP/Lanco Konapalli	233 133	11/2007	03/2009 09/2009	233 -----	07.12.09(A) Slipped
4	Lanco Amarkantak TPS ( Pathadi) U-1 U-2	Chhattisgarh /L.A.P. Pvt.Ltd	300 300	05/2005 04/2006	09/2008 07/2009	300 300	04.06.09(A) 25.03.10(A)

Sl No	Project Name/ Unit No.	State/ Impl. Agency	Targeted Cap. (MW)	LOA Date	Org. Comm. Schedule	Cap. (MW) Achieved	Anticipated/A ctual Date of Comm.
5	Mundra TPP Ph-1 U-1 U-2	Gujarat/ Adani Power Ltd	330 330	06/20 06	07/2009 10/2009	330 330	04.08.09(A) 17.03.10(A)
6.	Sugen CCPP Block-2 Block-3	Gujarat /Torrent Power Gen. Ltd.	382.5 382.5	06/200 5	12/2007 02/2008	382.5 382.5	07.05.09(A) 08.06.09(A)
7	Torangallu Extn. U-1 U-2	Karnataka/ JSW Energy Ltd	300 300	07/20 06	12/2008 01/2009	300 300	27.04.09(A) 24.08.09(A)
8	Sterlite TPP U-1	Orissa/ Sterlite Energy Ltd.	600	05/200 6	07/2009	1577	Slipped
9	Jallipa-Kapurdi TPP U-1 U-2 U-3 U-4	Rajasthan/ Raj West Power Ltd ( JSW)	135 135 135 135	03/20 07	09/2009 01/2010 01/2010 03/2010	135	16.10.09(A) Slipped Slipped Slipped
10	Budge- Budge-III U-3	WB/ CESC	250	12/20 06	07/2009	250	29.09.09(A)
		<b>Sub Total I</b>	<b>5290</b>			<b>3987</b>	
	<b>TOTAL ASSURED (A+B+C)</b>		<b>10359</b>			<b>7956/ 9056</b>	
<b>II COMMISSIONING WITH EFFORTS</b>							
<b>A CENTRAL SECTOR</b>							
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
		<b>Sub Total (A)</b>	<b>625</b>				
<b>B STATE SECTOR</b>							
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
		<b>Sub Total (B)</b>	<b>1475</b>			----/----	
<b>C PRIVATE SECTOR</b>							
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)
		<b>Sub Total ( C )</b>	<b>543</b>			<b>300</b>	
	<b>TOTAL COMMISSIONING WITH EFFORTS (A+B+C)</b>		<b>2643</b>			<b>300</b>	
	<b>TOTAL ( ASSURED+ WITH EFFORTS</b>		<b>13002</b>			<b>9106</b>	

### 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
<b>A CENTRAL SECTOR</b>								
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
<b>Total Central</b>					<b>5890</b>		<b>3740</b>	
<b>B STATE SECTOR</b>								
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	APGENC O	U-1	27.07.06	500	05/2009	500	27.05.10(A)
19	Rayalseema TPP St-III	APGENC O	U-5	06.02.07	210	10/2009	210	31.12.10(A)
20	Parichha Extn	UPRVUN L	U-5	28.06.06	250	06/2009		Slipped
			U-6		250	10/2009		Slipped
21	Harduaganj Ext	UPRVUN L	U-8	28.06.06	250	09/2009		Slipped
			U-9		250	01/2010		Slipped
22	Khaperkheda TPS Expn.	MSPGCL	U-5	01.01.07	500	06/2010		Slipped
23	Bhusawal TPS Expn.	MSPGCL	U-4	23.01.07	500	09/2010		Slipped
24	Santaldih TPP Extn Ph-II	WBPDCCL	U-6	23.03.07	250	08/2009		Slipped
25	Baramura GT Extn.	TSECL	U-5*		*		21	03.08.10(A)
<b>Total State</b>					<b>6012</b>		<b>2581</b>	
<b>C PRIVATE SECTOR</b>								
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 CAPP	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	
					<b>Total –Private</b>		<b>4929.5</b>		
					<b>Total for the year 2010-11</b>	<b>17793</b>		<b>11250.5</b>	

**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)	
<b>Central Sector</b>								
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
<b>Total of Central Sector</b>					<b>3070</b>			<b>4570</b>
<b>State Sector</b>								
7	Khaperkheda TPS Expn. U-5# MSPGCL	BHEL	01.01.07	Jun-10	500	Jun-11	05.08.11(A)	500
8	Santaldih TPP Extn Ph-II U-6# WBPDC	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 CCGT 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
<b>Total of State Sector</b>					<b>4101</b>			<b>3638.2</b>
<b>Private Sector</b>								
18	JSW Ratnagiri TPP U-3# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Jul-10	300	May-11	06.05.11(A)	300
19	JSW Ratnagiri TPP U-4# JSW Energy(Ratnagiri) Ltd	Chinese	05.10.07	Sep-10	300	Oct-11	08.10.11(A)	300
20	Anpara-C TPS U-1# Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	Jun-11	600	Oct-11	15.11.11(A)	600
21	Anpara-C TPS U-2 Lanco Anpara Power Pvt. Ltd.	Chinese	15.11.07	May-11	600	Jan-12	12.11.11(A)	600
22	Maithon RB TPP U-1# DVC- JV Tata	BHEL	25.10.07	Oct-10	525	Jul-11	30.06.11(A)	525
23	Maithon RB TPP U-2 MPL JV of DVC and Tata Power	BHEL	25.10.07	Apr-11	525	Jan-12	23.03.12(A)	525

24	Udupi TPP U-2#	NPCL	Chinese	24.12.06	Dec-06	600	Apr-11	17.04.11(A)	600	
25	Wardha Warora U-4 @ M/s Wardha Power Co.Pvt. Ltd (KSK)		Chinese	15.05.07	Sep-10	135	Apr-11	30.04.11(A)	135	
26	Jallipa- Kapurdi TPP U-3# Raj west power Ltd		Chinese	Mar-07	Mar-10	135	Aug-11	02.11.11(A)	135	
27	Mundra TPP Ph-II U-2 Adani Power Ltd		Chinese	09.06.07	Aug-11	660	Aug-11	20.07.11(A)	660	
28	Mundra Ultra Mega TPP U-1 Tata Power Co.		Others	12.01.06	May-11	800	Aug-11	25.02.12(A)	800	
29	Tirora TPP Ph-I U-1 Adani Power Ltd		Chinese	Feb-08	Apr-11	660	Jan-12			
30	Sterlite ( Jharsugda ) U-3*		Chinese	10.05.06	Jul-09	600	Oct-11	16.08.11(A)	600	
31	Rithala CAPP ST		Others					04.09.11(A)	36.5	
32	Mundra TPP U-7 Adani Power Ltd		Chinese	01.01.08				07.11.11(A)	660	
33	Khambarkhera 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	Khambarkhera 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 <sup>th</sup> 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)
<b>CENTRAL SECTOR</b>									
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		
<b>STATE SECTOR</b>									
Chhattisgarh	Korba West Extn.St.III TPP	CSEB	U-5		BEHL		500		22.03.13(A)
Chhattisgarh	Marwa TPP	CSEB	U-1	Apr-08	BHEL	500		02/13	Slipped
Delhi	Pragati CCGT – III	PPCL	GT-3	May-08	BHEL	250	250	08/12	27.06.12(A)
Gujarat	Pipavav CCGT	GSECL	Block-2	Dec-07	BHEL	351	351	01/13	27.03.13(A)
	Ukai TPP Extn	GSECL	U-6	Sep-07	BHEL	490	490	12/12	05.03.13(A)
Rajasthan	Ramgarh CCGT	RRVUNL	GT	Aug-09	BHEL	110	110	01/13	20.03.13(A)
	Ramgarh CCGT	RRVUNL	ST-1		BHEL	50		02/13	Slipped
MP	Satpura TPP Extn.	MPPGCL	U-10	Mar-08	BHEL	250	250	02/13	22.03.13(A)
TN	Mettur TPP Ext	TNEB	U-1	Aug-08	Chinese	600	600	06/12	11.10.12(A)
	North Chennai Extn.	TNEB	U-2	Aug-08	BHEL	600	600	03/13	09.03.13(A)
UP	Harduaganj Ext	UPRVUNL	U-9	Jun-06	BHEL	250	250	05/12	25.05.12(A)
	Parichha Extn	UPRVUNL	U-5	Jun-06	BHEL	250	250	06/12	24.05.12(A)
	Parichha Extn	UPRVUNL	U-6			250	250	09/12	11.03.13(A)
Total –State Sector						3951	3911		
<b>PRIVATE SECTOR</b>									
AP	Simhapuri TPP Ph-1	Madhucon Projects Ltd.	U-2	Jan-09	Chinese	150	150	09/12	02.07.12(A)
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-1	Aug-09	Chinese	150	150	08/12	09.09.12(A)
	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd.	U-2			150		11/12	Slipped
Chhattisgarh	Kasaipalli TPP	M/s ACB (India)	U-2	Nov-08	Chinese	135	135	06/12	21.06.12(A)
	Salora TPP	M/s Vandna Vidyut	U-1	Nov-08	Chinese	135		12/12	Slipped
	Swastik Korba TPS	ACB	U-1		Others	25		06/12	Slipped
	Ratija TPP	SCPL	U-1		Chinese		50		04.02.13(A)

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



3.1 Thermal Units Programmed for Commissioning During 2013-14							As on 31.03.14		
State	Project Name	Impl Agency	Unit No	LOA Date	BTG Supplier	Targeted Cap. (MW)	Commnd. Cap. (MW)	Actual Comm. Date	At the beginning of the year
<b>CENTRAL SECTOR</b>									
Bihar	Barh STPP St-II	NTPC	4	03/08&10/08	BHEL	660	660	30/11/13	12/13
TN	Vallur TPP Ph-I	NTPC/ NTECL/ TNEB-JV	3	07/09	BHEL	500	500	28.02.2014	03/14
TN	Tuticorin TPP	NLC/ TNEB-JV	1	01/09	BHEL	500			03/14
Tripura	Tripura CCGT	ONGC JV	Blk-2	06/08	BHEL	363.3			09/13
UP	Rihand STPP St-III	NTPC	6	02/09	BHEL	500	500	7/10/2013	12/13
WB	Raghunathpur TPP	DVC	1	12/07	CHINA	600			03/14
<b>Total Central Sector</b>						<b>3123.3</b>	<b>1660</b>		
<b>STATE SECTOR</b>									
Chhattisgarh	Marwa TPP	CSEB	1	04/08	BHEL	500	500	30.03.2014	09/13
Delhi	Pragati St-III CCGT	PPCL	GT-4	05/08	BHEL	250	250	7/5/2013	06/13
Delhi	Pragati St-III CCGT	PPCL	ST-2	05/08	BHEL	250	250	26.02.2014	09/13
Gujarat	Pipavav JV CCGT	GSECL	Block-1	12/07	BHEL	351	351	05/02/2013	09/13
MP	Shree Singaji TPP(Malwa TPP)	MPPGCL	1	12/08	BHEL	600	600	18/11/2013	06/13
MP	Satpura TPS Extn.	MPPGCL	11	03/08	BHEL	250	250	25/12/2013	10/13
Maha-rashtra	Chandrapur TPS Extn.	MAHAGENCO	8	07/08	BHEL	500			12/13
Rajasthan	Kalisindh TPP	RRVUNL	1	07/08	SEPCO, CHINA	600			12/13
Rajasthan	Chhabra TPS Extn.	RRVUNL	3	08/08	BHEL	250	250	14/09/13	06/13
Rajasthan	Chhabra TPS Extn.	RRVUNL	4	08/08	BHEL	250			01/14
Rajasthan	Ramgarh CCGT	RRVUNL	ST	08/09	BHEL	50			12/13
TN	North Chennai TPS Extn.	TNEB	1	08/08	BHEL	600	600	13/09/13	09/13
<b>Total –State Sector</b>						<b>4451</b>	<b>3051</b>		
<b>PRIVATE SECTOR</b>									
AP	Vizag TPP	Hinduja	1	03/10	BHEL	520			03/14
AP	Thamminapatnam TPP	Meena-kshi Energy	2	08/09	Chinese	150	150	17/04/13	09/13
Chhattisgarh	Tamnar TPP	Jindal Power	1	12/08	BHEL	600	600	10.03.2014	03/14
Chhattisgarh	Vandana Vidyut TPP	Vandana Vidyut TPP	1	05/08	BOILER: CETHAR VESSELS LTD TG: CNAIC, CHINA	135			06/13
Chhattisgarh	DB Power TPP	DB Power Ltd	1	05/10	BHEL	600	600	23.02.2014	12/13
Chhattisgarh	Swastik Korba TPP	ACB	1	02/10	BOILER: IJT; TURBINE: SIEMENS	25			12/13
Chhattisgarh	Akaltara TPP	KSK Mahanadi	1	04/09	SEC, CHINA	600	600	13/08/13	09/13
MP	Sasan UMPP	Reliance Power	3	06/08	SEC, CHINA	660	660	30/5/13	05/13
MP	Sasan UMPP	Reliance Power	2	06/08	SEC, CHINA	660	660	18/12/13	09/13
Maha-rashtra	Nasik TPP Ph-I	India Bulls	1	11/09	BHEL	270	270	25.02.2014	09/13

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

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

4.0 RFD programme/Achievement for Thermal capacity addition for the year 2014-15										
State	Project Name	Impl Agency	Equip. Supplier	Fuel	Unit No	LOA date	Targeted Cap. (MW)	Comm. Cap. (MW)	Actual Comm. Date	At the beginning of the year
<b>CENTRAL SECTOR</b>										
Bihar	Barh STPP-II	NTPC	BHEL	Coal	U-5	SG:03/2008 TG:10/2008	660	660	04.03.2015	Feb-15
	Muzaffarpur TPS Exp	KBUNL (JV of NTPC & BSEB)	BHEL	Coal	U-3	03/2010	195			Mar-15
TN	Tuticorin TPP	NTPL( JV of NLC & TANGEDCO)	BHEL	Coal	U-1	28.01.09	500	500	10.03.2015	Oct-14
			BHEL	Coal	U-2		500			Feb-15
Tripura	Palatana CCPP	OTPC (JV of ILFS, ONGC & Tripura Govt)	BHEL	Gas	BLK-2	23.06.08	363.3	363.3	16.11.2014	Aug-14
WB	Raghunathpur TPP, Ph-I	DVC	Chinese	Coal	U-1	14.12.2007	600	600	24.08.2014	Aug-14
<b>Total Central Sector</b>							<b>2818.3</b>	<b>2123.3</b>		
<b>STATE SECTOR</b>										
AP	Damodaram Sanjeevaiah TPP	APPDCL	Blr- BHEL TG- L&T	Coal	U-1	SG:08/2008 TG:09/2008	800	800	28.08.2014	Jun-14
					U-2		800	800	17.03.2015	Jan-15
Chhattisgarh	Marwa TPP	CSPGCL	BHEL	Coal	U-2	11.04.08	500			Dec-14
Maharashtra	Chandrapur TPS	MSPGCL	BHEL	Coal	U-8	25.07.08	500			Oct-14
	Koradi TPS Expn.	MSPGCL	L&T	Coal	U-8	23.09.09	660			Oct-14
	Koradi TPS Expn.	MSPGCL	L&T	Coal	U-9		660			Jan-15
	Parli TPS Expn.	MSPGCL	BHEL	Coal	U-8	21.01.09	250			Nov-14
MP	Malwa TPP (Shree Singaji)	MPPGCL	BHEL	Coal	U-2	12.12.08	600	600	15.10.2014	Sep-14
Rajasthan	Kalisindh TPP	RRVUNL	Chinese	Coal	U-1	09.07.08	600	600	02.05.2014	Jun-14
	Kalisindh TPP		Chinese	Coal	U-2		600			Jan-15
	Ramgarh CCPP		BHEL	Gas	ST	18.08.09	50	50	01.05.2014	Jul-14
	Chhabra TPP		BHEL	Coal	U-4	20.08.08	250	250	30.06.2014	Jun-14
UP	Anpara-D TPS	UPRVUNL	BHEL	Coal	U- 6	27.10.07	500			Mar-15
<b>Total State Sector</b>							<b>6770</b>	<b>3100</b>		
<b>PRIVATE SECTOR</b>										
AP	Painampura m TPP	Thermal Power Tech Corp.Ltd	Chinese	Coal	U-1	09/2010	660	660	07.02.2015	Dec-14
	Vizag TPP	Hinduja National Power Corp.Ltd	BHEL	Coal	U-1	03/2010	520			Oct-14
Chhattisgarh	Swastic Korba TPP	ACB India Ltd.	Blr:ISGEC India TG:Siemens India	Coal	U-1	29.03.10	25			Nov-14
	Salora TPP	Vandana Vidyut Ltd	Chinese	Coal	U-1	11/2008	135	135	10.04.2014	Sep-14
	Bandakhar TPP	Maruti Clean coal	Chinese	Coal	U-1		300			Jan-15
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-3	30.11.09	270	270	29.01.2015	Oct-14
Maharashtra	Nasik TPP Ph-I	India Bulls Realtech	BHEL	Coal	U-2	24.11.09	270			Jul-14
Maharashtra	Dhariwal TPP	Dhariwal Infrastructure Ltd	Chinese	Coal	U-2	28.04.10	300	300	28.05.2014	Jun-14
Orissa	Derang TPP	JIPL	BHEL	Coal	U-1	26.07.09	600	600	10.05.2014	Jun-14
Punjab	Rajpura TPP (Nabha)	Nabha Power Ltd	L&T	Coal	U-2	16.07.10	700	700	06.07.2014	Jul-14
Punjab	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-1	18.07.09	660	660	17.06.2014	May-14
Punjab	Talwandi Sabo TPP	M/s Sterlite	Chinese	Coal	U-2	18.07.09	660			Sep-14
WB	Haldia TPP	M/s Haldia Energy Ltd.	Chinese	Coal	U-1	14.09.11	300	300	14.01.2015	Dec-14
<b>Total Private Sector</b>							<b>5400</b>	<b>3625</b>		
<b>Total target during 2014-15</b>							<b>14988.3</b>	<b>8848.3</b>		

Additional Capacity Commissioned										
Gujarat	D gen CCGP	Torrent Power	Siemens Germany	gas	Block-II	02.07.2010		400	23.04.2014	
Gujarat	Dhuvaran CCGP	GSECL	Siemens Germany	gas	Unit 1			376.1	21.05.2014	
MP	Sasan UMPP	SPL	Chinese	Coal	4 <sup>th</sup> Unit (Unit-1)			660	21.05.2014	
MP	Sasan UMPP	SPL	Chinese	Coal	Unit-5			660	24.08.2014	
Chhattisgarh	Akaltara TPP	KSK	Chinese	Coal	Unit-2			600	22.08.2014	
MP	Nigrie TPP	JPVL	L&T	Coal	Unit-1			660	29.08.2014	
Maharashtra	Tirora TPP Ph-II	Adani Power Maharashtra Pvt Ltd	Chinese	Coal	Unit-3	05.11.2009		660	25.09.2014	
TN	Mutiara TPP	Coastal Energen	Chinese	Coal	Unit-1	25.02.2009		600	02.12.2014	
Chhattisgarh	Tamnar TPP (Raigarh)	Jindal Power	BHEL	Coal	Unit-3			600	07.01.2015	
Orissa	Derang TPP	JIPL	BHEL	Coal	U-2			600	24.01.2015	
TN	Neyveli TPS Ph-II Exp	NLC	BHEL	Coal	U-2			250	24.01.2015	
WB	Haldia TPP	M/s Haldia Energy Ltd.	Chinese	Coal	U-2			300	16.02.2015	
MP	Nigrie TPP	JP Ventures Ltd	Non-BHEL	Coal	U-2			660	17.02.2015	
Chhattisgarh	Raikhera TPP	GMR	Chinese	Coal	U-1			685	27.02.2015	
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-4	30.11.09		270	04.03.2015	
AP	Simhapuri	Simhapuri Energy Pvt Ltd	Chinese	Coal	U-4			150	07.03.2015	
Maharashtra	Amravati TPP Ph-I	India Bulls Power Ltd	BHEL	Coal	U-5	30.11.09		270	12.03.2015	
MP	Sasan UMPP	SPL	Chinese	Coal	Unit-6			660	19.03.2015	
Chhattisgarh	DB Power TPP	DB Power Ltd	BHEL	Coal	Unit-2			600	24.03.2015	
Tripura	Agartala CCGP	NEEPCO	Thermax	Gas	ST-2			25.5	22.03.2015	
								<b>9686.6</b>		
								<b>18534.9</b>		

	BHEL	Chinese	Others(@)	Total
<b>Target</b>	6528.3	4815	3645	<b>14988.3</b>
<b>Achievement</b>	3293.3	3255	2300	<b>8848.3</b>
<b>Addl. Achievement</b>	2590	4975	2121.6	<b>9686.6</b>
<b>Total Achievement</b>	<b>5883.3</b>	<b>8230</b>	<b>4421.6</b>	<b>18534.9</b>
@ Others-Target includes 1600 MW capacity for which Boiler(s) is supplied by BHEL				

#### 4.0 THERMAL POWER PROJECT UNDER CONSTRUCTION IN THE COUNTRY

**AS ON 27-Mar-2015**

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
<b>THERMAL PROJECTS TARGETED FOR COMMISSIONING DURING 12TH PLAN</b>							
<b><u>CENTRAL SECTOR</u></b>							
<b>Assam</b>	Bongaigaon TPP	NTPC	BHEL	U-1	250	---	
				U-2	250	---	
				U-3	250	---	
<b>Bihar</b>	Barh STPP- I	NTPC	OTHERS	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
<b>Bihar</b>	Barh STPP-II	NTPC	BHEL	U-4	660	660	30-11-13
				U-5	660	660	04-03-15
<b>Bihar</b>	Muzaffarpur TPP Exp	NTPC	BHEL	U-3	195	---	
				U-4	195	---	
<b>Bihar</b>	Nabi Nagar TPP	NTPC	BHEL	U-1	250	---	
				U-2	250	---	
				U-3	250	---	
				U-4	250	---	
<b>Chhattisgarh</b>	Sipat-I	NTPC	OTHERS	U-3	660	660	02-06-12
<b>Haryana</b>	Indira Gandhi TPP	APCPL	BHEL	U-3	500	500	07-11-12
<b>Jharkhand</b>	BokaroTPS "A"Exp.	DVC	BHEL	U-1	500	---	
<b>Jharkhand</b>	Koderma TPP	DVC	BHEL	U-2	500	500	15-02-13
<b>Maharashtra</b>	Mouda TPP	NTPC	BHEL	U-1	500	500	19-04-12
				U-2	500	500	29-03-13
<b>MP</b>	Vindhyachal TPP-IV	NTPC	BHEL	U-11	500	500	14-06-12
				U-12	500	500	22-03-13
<b>TN</b>	Neyveli TPS-II Exp.	NLC	BHEL	U-2	250	250	24-01-15
<b>TN</b>	Tuticorin JV	NLC	BHEL	U-1	500	500	10-03-15
				U-2	500	---	
<b>TN</b>	Vallur TPP Ph I	NTECL	BHEL	U-2	500	500	28-02-13
<b>TN</b>	Vallur TPP-II	NTECL	BHEL	U-3	500	500	28-02-14
<b>Tripura</b>	Monarchak CCPP	NEEPCO	BHEL	GT	61.3	---	
				ST	39.7	---	
<b>Tripura</b>	Tripura Gas	OTPC	BHEL	Module-1	363.3	363.3	03-01-13
				Module-2	363.3	363.3	16-11-14
<b>UP</b>	Rihand STPS- III	NTPC	BHEL	U-5	500	500	25-05-12
				U-6	500	500	07-10-13
<b>WB</b>	Raghunathpur TPP, Ph-I	DVC	CHINESE	U-1	600	600	24-08-14
				U-2	600	---	
			<b>Sub Total :</b>		<b>14877.6</b>	<b>9056.6</b>	
<b><u>STATE SECTOR</u></b>							
<b>AP</b>	Damodaram Sanjeevaiah TPS	APPDL	BHEL	U-1	800	800	28-08-14
				U-2	800	800	17-03-15

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
<b>AP</b>	Rayalseema St-IV U-6	APGENCO	BHEL	U-6	600	---	
<b>Assam</b>	Namrup CCGT	APGCL	BHEL	GT	70	---	
				ST	30	---	
<b>Chhattisgarh</b>	Korba West St-III.	CSPGCL	BHEL	U-5	500	<b>500</b>	<b>22-03-13</b>
<b>Chhattisgarh</b>	Marwa TPP	CSPGCL	BHEL	U-1	500	<b>500</b>	<b>30-03-14</b>
				U-2	500	---	
<b>Delhi</b>	Pragati CCGT - III	PPCL	BHEL	GT-3	250	<b>250</b>	<b>27-06-12</b>
				GT-4	250	<b>250</b>	<b>07-05-13</b>
				ST-2	250	<b>250</b>	<b>26-02-14</b>
<b>Gujarat</b>	Pipavav CCGP	GSECL	BHEL	Block-1	351	<b>351</b>	<b>05-02-14</b>
				Block-2	351	<b>351</b>	<b>27-03-13</b>
<b>Gujarat</b>	Sikka TPS Extn.	GSECL	BHEL	U-3	250	---	
<b>Gujarat</b>	Ukai TPP Extn.	GSECL	BHEL	U-6	500	<b>500</b>	<b>05-03-13</b>
<b>Maharashtra</b>	Chandrapur TPS	MSPGCL	BHEL	U-8	500	---	
<b>Maharashtra</b>	Koradi TPS Expn.	MSPGCL	NON-BHEL	U-8	660	---	
<b>Maharashtra</b>	Parli TPS Expn.	MSPGCL	BHEL	U-8	250	---	
<b>MP</b>	Malwa TPP ( Shree Singa ji TPP)	MPGENCO	BHEL	U-1	600	<b>600</b>	<b>18-11-13</b>
				U-2	600	<b>600</b>	<b>15-10-14</b>
<b>MP</b>	Satpura TPS Extn	MPPGCL	BHEL	U-10	250	<b>250</b>	<b>22-03-13</b>
				U-11	250	<b>250</b>	<b>25-12-13</b>
<b>Rajasthan</b>	Chhabra TPS Extn	RRVUNL	BHEL	U-3	250	<b>250</b>	<b>14-09-13</b>
				U-4	250	<b>250</b>	<b>30-06-14</b>
<b>Rajasthan</b>	Kalisindh TPP	RRVUNL	CHINESE	U-1	600	<b>600</b>	<b>02-05-14</b>
<b>Rajasthan</b>	Ramgarh CCGP Extn. -III	RRVUNL	BHEL	GT	110	<b>110</b>	<b>20-03-13</b>
				ST	50	<b>50</b>	<b>01-05-14</b>
<b>TN</b>	Mettur TPP Ext	TANGEDCO	CHINESE	U-1	600	<b>600</b>	<b>11-10-12</b>
<b>TN</b>	North Chennai Extn, U-2	TANGEDCO	BHEL	U-2	600	<b>600</b>	<b>09-03-13</b>
<b>TN</b>	North Chennai TPS Extn, U-1	TANGEDCO	BHEL	U-1	600	<b>600</b>	<b>13-09-13</b>
<b>UP</b>	Anpara-D TPS	UPRVUNL	BHEL	U- 6	500	---	
				U-7	500	---	
<b>UP</b>	Harduaganj Ext	UPRVUNL	BHEL	U-9	250	<b>250</b>	<b>25-05-12</b>
<b>UP</b>	Parichha Extn	UPRVUNL	BHEL	U-5	250	<b>250</b>	<b>24-05-12</b>
				U-6	250	<b>250</b>	<b>11-03-13</b>
<b>Sub Total :</b>					<b>13922</b>	<b>10062</b>	
<b><u>PRIVATE SECTOR</u></b>							
<b>AP</b>	Bhavanpadu TPP	M/s East Coast Energy Ltd.	CHINESE	U-1	660	---	
				U-2	660	---	
<b>AP</b>	NCC TPP	NCC Power Projects Ltd	CHINESE	U-1	660	---	
				U-2	660	---	
<b>AP</b>	Painampuram TPP	Thermal Power Tech Corporation Ltd	CHINESE	U-1	660	<b>660</b>	<b>07-02-15</b>
				U-2	660	---	

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
<b>AP</b>	Simhapuri Energy Pvt.Ltd Ph-I	Madhucon Projects Ltd	CHINESE	U-2	150	150	02-07-12
<b>AP</b>	Thamminapatnam TPP-I	Meenakshi Energy Pvt. Ltd	CHINESE	U-1	150	150	09-09-12
				U-2	150	150	17-04-13
<b>AP</b>	Thamminapatnam TPP-II	Meenaksha Energy Ltd.	CHINESE	U-3	350	---	
				U-4	350	---	
<b>AP</b>	Vizag TPP	Hinduja National Power Corp. Ltd	BHEL	U-1	525	---	
				U-2	525	---	
<b>Chhattisgarh</b>	Akaltara (Naiyara) TPP	KSK Mahandi Power Company Ltd	CHINESE	U-1 (3rd)	600	600	13-08-13
				U-2 (4th)	600	600	22-08-14
				U-3(2nd)	600	---	
<b>Chhattisgarh</b>	Avantha Bhandar TPP, U-1	Korba West Power Co. Ltd.	BHEL	U-1	600	600	31-03-14
<b>Chhattisgarh</b>	Badadarha TPP	D.B. Power Ltd	BHEL	U-1	600	600	23-02-14
				U-2	600	600	24-03-15
<b>Chhattisgarh</b>	Balco TPP	Bharat Aluminium Co. Ltd	CHINESE	U-1	300	---	
				U-2	300	---	
<b>Chhattisgarh</b>	Bandakhar TPP	M/s Maurti Clean Coal & Power Ltd	CHINESE	U-1	300	---	
<b>Chhattisgarh</b>	Binjkote TPP	M/s SKS Power Generation ( Chhattisgarh) Ltd.	CHINESE	U-1	300	---	
				U-2	300	---	
				U-3	300	---	
<b>Chhattisgarh</b>	Kasaipalli TPP	ACB India Ltd.	CHINESE	U-2	135	135	21-06-12
<b>Chhattisgarh</b>	Lanco Amarkantak TPS-II	LAP Pvt. Ltd.	CHINESE	U-3	660	---	
				U-4	660	---	
<b>Chhattisgarh</b>	Nawapara TPP (TRN Energy TPP)	M/s TRN Energy Pvt. Ltd.	CHINESE	U-1	300	---	
				U-2	300	---	
<b>Chhattisgarh</b>	Ratija TPP	Spectrum Coal & Power Ltd	CHINESE	U-1	50	50	04-02-13
<b>Chhattisgarh</b>	Salora TPP	M/s Vandana Vidyut	CHINESE	U-1	135	135	10-04-14
				U-2	135	---	
<b>Chhattisgarh</b>	Singhitari TPP	Athena Chhattisgarh Power Ltd.	CHINESE	U-1	600	---	
<b>Chhattisgarh</b>	Swastic TPP	M/s ACB	NON-BHEL	U-1	25	---	
<b>Chhattisgarh</b>	Tamnar TPP ( Raigarh)	O.P.Jindal	BHEL	U-1	600	600	10-03-14
				U-2	600	600	30-03-14
<b>Chhattisgarh</b>	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-1	360	---	
				U-2	360	---	
				U-3	360	---	
<b>Gujarat</b>	Mundra UMTTP	Tata Power Co.	OTHERS	U-2	800	800	25-07-12
<b>Gujarat</b>	Salaya TPP	Essar Power Gujarat Ltd.	CHINESE	U-2	600	600	13-06-12
<b>Haryana</b>	Jajjar TPP (Mahatama Gandhi TPP)	CLP Power India Pvt. Ltd	CHINESE	U-2	660	660	11-04-12

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
<b>Jharkhand</b>	Mahadev Prasad TPP Ph-I	Adhunik Power Co.Ltd	BHEL	U-1	270	270	19-11-12
				U-2	270	270	29-03-13
<b>Jharkhand</b>	Mata shri Usha TPP-Ph-I	M/s Corporate Power Ltd	BHEL	U-1	270	---	
				U-2	270	---	
<b>Maharashtra</b>	Amravati TPP Ph-I	Ratan India Power Pvt Ltd.	BHEL	U-1	270	270	25-03-13
				U-2	270	270	17-02-14
				U-3	270	270	29-01-15
				U-4	270	270	04-03-15
				U-5	270	270	12-03-15
<b>Maharashtra</b>	Bela TPP-I	IEPL	BHEL	U-1	270	270	20-03-13
<b>Maharashtra</b>	Butibori TPP Ph-II	Vidarbha Industries Power	CHINESE	U-1	300	300	17-08-12
<b>Maharashtra</b>	Dhariwal Infracture TPP	Dhariwal Infracture (P) Ltd	CHINESE	U-1	300	300	03-11-13
				U-2	300	300	28-05-14
<b>Maharashtra</b>	EMCO Warora TPP	EMCO Energy Ltd.(GMR)	Chinese	U-1	300	300	07-02-13
				U-2	300	300	27-08-13
<b>Maharashtra</b>	GEPL TPP	GEPL	Chinese	U-1	60	60	08-09-12
				U-2	60	60	28-04-12
<b>Maharashtra</b>	Lanco Vidarbha TPP	Lanco Vidarbha	CHINESE	U-1	660	---	
				U-2	660	---	
<b>Maharashtra</b>	Nasik TPP Ph-I	Ratan India Nasik Power Pvt Ltd.	BHEL	U-1	270	270	25-02-14
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
<b>Maharashtra</b>	Tirora TPP Ph-I	Adani Power Ltd	CHINESE	U-1	660	660	11-09-12
				U-2	660	660	25-03-13
<b>Maharashtra</b>	Tirora TPP Ph-II	Adani Power Ltd	CHINESE	U-1	660	660	10-06-13
<b>MP</b>	Anuppur TPP Ph-I	MB Power MP	CHINESE	U-1	600	---	
				U-2	600	---	
<b>MP</b>	Bina TPP	Bina Power Supply Co.	BHEL	U-1	250	250	12-08-12
				U-2	250	250	31-03-13
<b>MP</b>	Gorgi TPP ( DB Power)	D.P Power ( MP) Ltd	BHEL	U-1	660	---	
<b>MP</b>	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-2	660	660	18-12-13
				U-3	660	660	30-05-13
<b>MP</b>	Seioni TPP Ph-I	Jhabua Power Ltd	BHEL	U-1	600	---	
<b>Orissa</b>	Derang TPP	JITPL	BHEL	U-1	600	600	10-05-14
<b>Orissa</b>	Ind Bharat TPP ( Orissa)	Ind. Bharat	CHINESE	U-1	350	---	
				U-2	350	---	
<b>Orissa</b>	Kamalanga TPP	GMR	CHINESE	U-1	350	350	28-03-13
				U-2	350	350	28-09-13
				U-3	350	350	21-03-14
<b>Orissa</b>	KVK Nilanchal TPP	KVK Nilachal	CHINESE	U-1	350	---	



<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
<b>Orissa</b>	Lanco Babandh TPP	Lanco Babandh Power Ltd	CHINESE	U-1	660	---	
<b>Orissa</b>	Sterlite TPP	Sterlite Energy Ltd.	CHINESE	U-4	600	<b>600</b>	<b>25-04-12</b>
<b>Punjab</b>	Goindwal Sahib TPP	GVK Power	BHEL	U-1	270	---	
				U-2	270	---	
<b>Punjab</b>	Rajpura TPP ( Nabha)	Nabha Power Ltd	NON-BHEL	U-1	700	<b>700</b>	<b>24-01-14</b>
				U-2	700	<b>700</b>	<b>06-07-14</b>
<b>Punjab</b>	Talwandi Sabo TPP	M/s Sterlite	CHINESE	U-1	660	<b>660</b>	<b>17-06-14</b>
				U-2	660	---	
				U-3	660	---	
<b>Rajasthan</b>	Jallipa-Kapurdi TPP	Raj West Power	CHINESE	U-5	135	<b>135</b>	<b>05-02-13</b>
				U-6	135	<b>135</b>	<b>03-03-13</b>
<b>TN</b>	Tuticorin TPP (Ind- Barath TPP)	IBPIL	CHINESE	U-1	660	---	
<b>UP</b>	Prayagraj (Bara ) TPP	Prayagraj power Gen. Co.Ltd( J.P.Power Ventures)	BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
<b>WB</b>	Haldia TPP-I	M/s Haldia Energy Ltd.	CHINESE	U-1	300	<b>300</b>	<b>14-01-15</b>
				U-2	300	<b>300</b>	<b>16-02-15</b>
<b>Sub Total :</b>					<b>43540</b>	<b>20720</b>	
<b>Total :</b>					<b>72339.6</b>	<b>39838.6</b>	

#### **ADDITIONAL PROJECTS FOR LIKELY COMMISSIONING DURING 12TH PLAN**

##### **CENTRAL SECTOR**

<b>Bihar</b>	New Nabi Nagar TPP	NTPC	NON-BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
<b>Chhattisgarh</b>	Lara STPP	NTPC	NON-BHEL	U-1	800	---	
				U-2	800	---	
<b>Jharkhand</b>	North Karanpura TPP	NTPC	BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
<b>Karnataka</b>	Kudgi STPP Ph-I	NTPC	NON-BHEL	U-1	800	---	
				U-2	800	---	
				U-3	800	---	
<b>Maharashtra</b>	Mouda STPP-II	NTPC	BHEL	U-3	660	---	
				U-4	660	---	
<b>Maharashtra</b>	Solapur STPP	NTPC	NON-BHEL	U-1	660	---	
				U-2	660	---	
<b>MP</b>	Gadarwara STPP	NTPC	BHEL	U-1	800	---	
				U-2	800	---	
<b>MP</b>	Vindhyachal TPP-V	NTPC	BHEL	U-13	500	---	
<b>Orissa</b>	Darlipali STPP	NTPC	BHEL	U-1	800	---	
				U-2	800	---	
<b>Tripura</b>	Agartala CCPP	NEEPCO	Thermax	ST-1	25.5	---	

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
<b>Tripura</b>	Agartala CCGP	NEEPCO	Thermax	ST-2	25.5	<b>25.5</b>	<b>22-03-15</b>
<b>UP</b>	Meja STPP	JV of NTPC & UPRVUNL	NON-BHEL	U-1	660	---	
				U-2	660	---	
<b>UP</b>	Tanda TPS -II	NTPC		U-1	660	---	
				U-2	660	---	
<b>UP</b>	Unchahar TPS St-IV	NTPC	BHEL	U-6	500	---	
<b>WB</b>	Raghunathpur TPP Ph-II	DVC	BHEL	U-1	660	---	
				U-2	660	---	
<b>Sub Total :</b>					<b>18811</b>	<b>25.5</b>	
<b><u>STATE SECTOR</u></b>							
<b>Bihar</b>	Barauni TPS Extn	BSEB	BHEL	U-1	250	---	
				U-2	250	---	
<b>Gujarat</b>	Bhavnagar CFBC TPP	Bhavnagar Energy	BHEL	U-1	250	---	
				U-2	250	---	
<b>Gujarat</b>	Dhuvaran CCGP-III	GSECL	OTHERS	Block-1	376.1	<b>376.1</b>	<b>21-05-14</b>
<b>Gujarat</b>	Sikka TPS Extn.	GSECL	BHEL	U-4	250	---	
<b>Gujarat</b>	Wankbori TPS Extn	GSECL	BHEL	U-8	800	---	
<b>Karnataka</b>	Bellary TPP St-III	KPCL	BHEL	U-3	700	---	
<b>Karnataka</b>	Yermarus TPP	KPCL	BHEL	U-1	800	---	
				U-2	800	---	
<b>Maharashtra</b>	Chandrapur TPS	MSPGCL	BHEL	U-9	500	---	
<b>Maharashtra</b>	Koradi TPS Expn.	MSPGCL	NON-BHEL	U-10	660	---	
				U-9	660	---	
<b>MP</b>	Shree Singaji TPP Phase-II	MPGENCO	L&T	U-3	660	---	
				U-4	660	---	
<b>Rajasthan</b>	Chhabra Super Critical TPP.	RRVUNL	BHEL	U-5	660	---	
				U-6	660	---	
<b>Rajasthan</b>	Kalisindh TPP	RRVUNL	CHINESE	U-2	600	---	
<b>Rajasthan</b>	Suratgarh TPS	RRVUNL	BHEL	U-7	660	---	
				U-8	660	---	
<b>Telangana</b>	Kakatiya TPS Extn	T GENCO	BHEL	U-1	600	---	
<b>Telangana</b>	Singareni TPP	Singareni Collieries Co. Ltd	BHEL	U-1	600	---	
				U-2	600	---	
<b>Tripura</b>	Rokhia CCGP	Govt.of Ttipura	BHEL	GT-9	21	<b>21</b>	<b>31-08-13</b>
<b>WB</b>	Durgapur TPS Extn U-8	DPL	BHEL	U-8	250	<b>250</b>	<b>31-03-14</b>
<b>WB</b>	Sagardighi TPS-II	WBPDC	BHEL	U-3	500	---	
				U-4	500	---	
<b>Sub Total :</b>					<b>14177.1</b>	<b>647.1</b>	
<b><u>PRIVATE SECTOR</u></b>							
<b>AP</b>	Simhapuri Energy Pvt Ltd Ph-II	Madhucon Projects Ltd.	CHINESE	U-3	150	<b>150</b>	<b>21-02-14</b>
				U-4	150	<b>150</b>	<b>06-03-15</b>

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
<b>Bihar</b>	Jas Infra TPP Ph-I	JICPL	CHINESE	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
				U-4	660	---	
<b>Chhattisgarh</b>	Akaltara (Naiyara) TPP	KSK Mahandi Power Company Ltd	CHINESE	U-4 (5th)	600	---	
				U-5(1st)	600	---	
				U-6	600	---	
<b>Chhattisgarh</b>	Binjkote TPP	M/s SKS Power Generation ( Chhattisgarh) Ltd.	CHINESE	U-4	300	---	
<b>Chhattisgarh</b>	Chakabura TPP	ACB India	NON-BHEL	U-1	30	<b>30</b>	<b>28-03-14</b>
<b>Chhattisgarh</b>	Deveri TPP (Visa TPP) Raigarh	Visa Power Ltd	BHEL	U-1	600	---	
<b>Chhattisgarh</b>	Raikheda TPP	GMR	NON-BHEL	U-1	685	<b>685</b>	<b>27-02-15</b>
				U-2	685	---	
<b>Chhattisgarh</b>	Singhitarai TPP	Athena Chhattisgarh Power Ltd.	CHINESE	U-2	600	---	
<b>Chhattisgarh</b>	Tamnar TPP ( Raigarh)	O.P.Jindal	BHEL	U-3	600	<b>600</b>	<b>07-01-15</b>
				U-4	600	---	
<b>Chhattisgarh</b>	Uchpinda TPP	RKM Powergen Pvt. Ltd	CHINESE	U-4	360	---	
<b>Gujarat</b>	DGEN Mega CCPP	Torrent Energy Ltd	OTHERS	Module-1	400	<b>400</b>	<b>12-01-14</b>
				Module-2	400	<b>400</b>	<b>23-04-14</b>
				Module-3	400	<b>400</b>	<b>09-03-14</b>
<b>Gujarat</b>	Mundra UMTTP	Tata Power Co.	OTHERS	U-3	800	<b>800</b>	<b>16-10-12</b>
				U-4	800	<b>800</b>	<b>16-01-13</b>
				U-5	800	<b>800</b>	<b>18-03-13</b>
<b>Gujarat</b>	Unosugen Mega CCPP	Torrent Energy Ltd	Others	Module-1	382.5	<b>382.5</b>	<b>20-01-13</b>
<b>Jharkhand</b>	Mata Shri Usha TPP-Ph-	Corporate Power Ltd	BHEL	U-3	270	---	
				U-4	270	---	
<b>Jharkhand</b>	Tori TPP	Essar Power	CHINESE	U-1	600	---	
				U-2	600	---	
<b>Maharashtra</b>	Amravati TPP Ph-II	Ratan India Power Pvt Ltd.	BHEL	U-1	270	---	
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
<b>Maharashtra</b>	Butibori TPP Ph-II	Vidarbha Industries Power	CHINESE	U-2	300	<b>300</b>	<b>31-03-14</b>
<b>Maharashtra</b>	Nasik TPP Ph-II	Ratan India Nasik Power Pvt Ltd.	BHEL	U-1	270	---	
				U-2	270	---	
				U-3	270	---	
				U-4	270	---	
				U-5	270	---	
<b>Maharashtra</b>	Tirora TPP Ph-II	Adani Power Ltd	CHINESE	U-2	660	<b>660</b>	<b>23-03-14</b>
				U-3	660	<b>660</b>	<b>25-09-14</b>
<b>MP</b>	Mahan TPP	Essar Power MP Ltd	Chinese	U-1	600	<b>600</b>	<b>24-02-13</b>

<i>Sector State</i>	<i>Project Name</i>	<i>Impl. Agency</i>	<i>Main Equip.</i>	<i>Unit No.</i>	<i>Cap. (MW)</i>	<i>Cap (MW) Achieved</i>	<i>Actual Comm. Date</i>
<b>MP</b>	Mahan TPP	Essar Power MP Ltd	Chinese	U-2	600	---	
<b>MP</b>	Nigri TPP	Jaiprakash Power Ventures Ltd	NON-BHEL	U-1	660	<b>660</b>	<b>29-08-14</b>
				U-2	660	<b>660</b>	<b>17-02-15</b>
<b>MP</b>	Niwari TPP	BLA Power Ltd	NON-BHEL	U-1	45	<b>45</b>	<b>10-12-13</b>
				U-2	45	---	
<b>MP</b>	Sasan UMPP	Reliance Power Ltd.	CHINESE	U-1	660	<b>660</b>	<b>21-05-14</b>
				U-4	660	<b>660</b>	<b>25-03-14</b>
				U-5	660	<b>660</b>	<b>24-08-14</b>
				U-6	660	<b>660</b>	<b>19-03-15</b>
<b>Orissa</b>	Derang TPP	JITPL	BHEL	U-2	600	<b>600</b>	<b>24-01-15</b>
<b>Orissa</b>	KVK Nilanchal TPP	KVK Nilachal	CHINESE	U-2	350	---	
				U-3	350	---	
<b>Orissa</b>	Lanco Babandh TPP	Lanco Babandh Power Ltd	CHINESE	U-2	660	---	
<b>Orissa</b>	Malibrahmani TPP ( Monnet Ispat)	MPCL	BHEL	U-1	525	---	
				U-2	525	---	
<b>Rajasthan</b>	Jallipa-Kapurdi TPP	Raj West Power	CHINESE	U-7	135	<b>135</b>	<b>16-03-13</b>
				U-8	135	<b>135</b>	<b>28-02-13</b>
<b>Rajasthan</b>	Kawai TPP	Adani Power Ltd.	CHINESE	U-1	660	<b>660</b>	<b>28-05-13</b>
				U-2	660	<b>660</b>	<b>24-12-13</b>
<b>TN</b>	Melamaruthur TPP	Coastal Energen	Chinese	U-1	600	<b>600</b>	<b>02-12-14</b>
				U-2	600	---	
<b>TN</b>	Tuticorin TPP-II(Ind barath)	Ind Barath	Chinese	U-1	150	<b>150</b>	<b>10-03-13</b>
				U-2	150	<b>150</b>	<b>30-12-13</b>
<b>UP</b>	Lalitpur TPP	Lalitpur power Generation Co. Ltd	BHEL	U-1	660	---	
				U-2	660	---	
				U-3	660	---	
					<b>32572.5</b>	<b>14912.5</b>	
					<b>65560.6</b>	<b>15585.1</b>	
					<b>137900.2</b>	<b>55423.7</b>	

# **CENTRAL SECTOR**

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

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com.	COD	
2.	<b>Barh STPP St-II (Dist: Patna),Bihar</b>	<b>1320</b>					<p><b>Unit-4:</b></p> <ul style="list-style-type: none"> <li>Boiler erection commenced in Aug'09.</li> <li>Boiler Hydro Test completed in Nov'11.</li> <li>Boiler light up completed on 25<sup>th</sup> Nov'12.</li> <li>SBO completed on 02/06/13.</li> <li>TG erection commenced in Apr'11.</li> <li>TG Box up completed on 28<sup>th</sup> Feb'13.</li> <li>TG oil-flushing completed on 21/06/13.</li> <li>TG barring gear achieved in Aug'13.</li> <li><b>Unit Sync. with Coal on 12/10/2013.</b></li> <li><b>Unit commissioned on 30/11/2013.</b></li> <li><b>Delay in readiness of CHP, AHP.</b></li> <li><b>Unit achieved COD on 15/11/2014.</b></li> </ul> <p><b>Unit-5:</b></p> <ul style="list-style-type: none"> <li>Boiler erection commenced in Feb'10 and in progress. Out of total 36628 MT, 34055 MT material erected till Jun'14.</li> <li>Boiler Hydro Test completed on 29/11/13.</li> <li>Boiler light up completed in 11th Jun'14. EDTA completed on 28.10.2014. SBO started on 17<sup>th</sup> Nov'14. and completed on 07<sup>th</sup> Jan'15. Normalization works completed. Hot water flushing of boiler in progress.</li> <li>TG erection commenced in Dec'11.</li> <li>TG Box up completed in Apr'14. TG oil flushing completed on 04.12.2014. Vacuum pulling in progress.</li> <li>All the 09 Mills are ready. Coal piping works are in progress.</li> <li>Flue gas ducting works Boiler-ESP, ESP-ID fan, ID Fan-Chimney completed.</li> <li><b>Unit synchronized on 01.03.2015 and achieved full load on 04.03.2015.</b></li> </ul> <p><b>BoPs:</b></p> <ul style="list-style-type: none"> <li>Chimney Flue can erection also completed.</li> <li>Cooling Tower Shell casting completed.</li> <li>CHP: Str. erection completed .RHS tripper erection in progress.</li> <li>AHP: Bottom ash hopper erection is completed. Refractory works to be completed.</li> </ul>
U-4	660	10/12 12/12	01/13	10/13(A) 11/13(A)	11/14(A)		
U-5	660	08/13 10/13	11/13	03/15 03/15(A)	04/15		
Date of Sanction:		-					
Investment Approval:		Feb'08					
Sanctioning Authority:		NTPC Board					
Orig.Est. cost:		Rs 734104 lakhs					
Latest.Est. Cost:		Rs 734104 lakhs (under revision)					
Exp.During	2007-08	: Rs 6677 lakhs					
	2008-09	: Rs 42080 lakhs					
	2009-10	: Rs 47347 lakhs					
	2010-11	: Rs 126600 lakhs					
	2011-12	: Rs 192600 lakhs					
	2012-13	:Rs 172300 lakhs					
	2013-14	:Rs 147900 Lakhs.					
	2014-15 (up to Jan'15)	:Rs 80300 Lakhs					
Cumulative Exp (up to Jan'15)		:Rs 830600 lakhs					
Type of fuel		: Coal					
Fuel linkage		: 23491 TPD from Chhatti Bariyatu & Kerendari coal mines.					
Date of Main Plant Order (BTG)		SG : 03/2008 on M/s BHEL TG : 10/2008 on M/s BHEL					
Zero Date		: 14/10/2008					
Power Evacuation							
<b>Critical Areas</b>		Unit-4 : Failure of T-23 tubes (BHEL), AHP (Pending works in ash slurry pump house) by DCIPS, CHP- Readiness of Interconnection Stream (TRF), Fire Detection & Protection system(UML), Supply of Coal. <b>Unit-5:</b> <b>Readiness of CHP-Action by TRF</b>  <b>SG supplies (Damaged CC pump replacement)-Action by BHEL</b>					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn. com.	COD	Syn. com.	COD	
3.	<b>Kanti TPS St-II (Kanti Bijlee Utpadan Nigam ltd a JV of NTPC &amp; BSEB) (Dist: Muzaffarpur ) Bihar</b>	<b>390</b>					<p>Unit-3:</p> <ul style="list-style-type: none"> <li>Boiler erection in progress.</li> <li>Boiler drum lifting completed in Mar'12.</li> <li>Boiler Hydro Test completed on 25<sup>th</sup> Feb'13.</li> <li>ST charged on 27.08.2014. Boiler light-up completed on 08.11.14. <b>Steam blowing started on 24.01.15 and completed on 12.02.15. Normalisation works completed. Coal bunkering in progress.</b></li> <li>Condenser erection started on 10<sup>th</sup> Dec'12. Hot well assembly placed, side wall erection in progress.</li> <li>TG erection started on 29<sup>th</sup> Jan'13. <b>TG box up is completed on 30.09.14. TG oil flushing 3<sup>rd</sup> stage in progress. TG on barring gear expected by 15<sup>th</sup> Mar'15.</b></li> <li>04out of 06 Nos of coal mills ready rest in progress. Bunkers erected. Final welding for strengthening in progress. Feeders to be erected. Tipper floor casting to be done.</li> <li>Bunkering to start in first week of Mar'15.</li> </ul> <p>Unit-4:</p> <ul style="list-style-type: none"> <li>Boiler drum lifting completed on 12<sup>th</sup> Sept'12.</li> <li>Boiler Hydro Test completed on 05.08.13.</li> <li><b>Boiler light-up expected by 06/15.</b></li> <li>TG erection started on 30<sup>th</sup> Sept'13.</li> <li><b>TG box up expected by 08/15.</b></li> </ul> <p><b>BoPs:</b></p> <ul style="list-style-type: none"> <li>Chimney: Flue can erection completed for both units.</li> <li>FO System: All equipment erected &amp; grouting done. Trestle from FOPH to C row completed. Piping work in progress.</li> <li>CHP order placed on M/s Techpro Systems Ltd. In Dec'12.Civil works like excavation, piling etc are i/p.</li> <li>AHP: Bottom Ash Hopper erection completed.</li> <li>IDCT-3: Hot water pipe header erected. Gear box and fan alignment completed. All 09 nos of fan stack completed.</li> <li>CW system: 02 nos of CW pumps erected. Motor trial run completed. CW forebay and channel water filling in progress.</li> </ul>
U-3	195	09/12 10/12	11/12	03/15 03/15	09/15		
U-4	195	12/12 01/13	02/13	11/15 12/15	05/16		
Date of Sanction	:-						
Investment Approval	:-						
Sanctioning Authority	: NTPC Board						
Orig.Est. cost	: Rs 315433 lakhs						
Latest.Est. Cost	: Rs 315433 lakhs						
Exp.During	: Rs 25635.00 lakhs						
2010-11	: Rs 64839.00 lakhs						
2011-12	: Rs 74423.00 lakhs						
2012-13	: Rs 62237.00 lakhs						
2013-14	: Rs 43695.00 lakhs						
2014-15 (up to Jan'15)							
Total Expenditure	: Rs 270850 lakhs						
Type of fuel	: Coal						
Fuel linkage							
Date of Main Plant Order (BTG)	: 03/2010 on BHEL						
Zero Date	: 12/03/2010						
Power Evacuation							
<b>Critical Areas</b>	<p>Unit-3 :</p> <p>Main Plant SG &amp; TG: Condensate piping erection slow, supply of governing rack, erection of hangers and supports- <b>Action by KBUNL</b></p> <p>Fire Detection &amp; Protection-<b>Action by KBUNL/Unitech</b></p> <p>Land Acquisition for Raw water pipe line- <b>Action by KBUNL (2.5 km out of 5.0 km ready. Rest of 2.5 km Land acquisition to be done).</b></p> <p>CHP works are very slow- Action by Techpro</p> <p>Ash slurry p/h, Ash water p/h mechanical works-Action by Techpro</p>						

**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	<b>Raghnathpur TPP Ph-I , Raghnathpur, Distt-Purulia, West Bengal</b>	1200					<p>1) The construction of boundary wall completed. 2) CISF deployed at site.</p> <p><b>Unit-I</b></p> <p>1) Boiler erection started on 16.04.09. Drum lifting was completed on 29<sup>th</sup> Jan, 10. HT completed in 30/09/11. BLU done on 17/10/12. Pre Boiler Alkali flushing completed on 28.10.13. Non drainable hydro completed on 06.11.13. EDTA-completed, SBO(S)-22/01/14, SBO (Comp) -30/01/14.</p> <p>2) TG Box Up completed on 10/5/12. Oil flushing completed on 19.07.2013. TG was put on Barring Gear on 27.09.13. Oil Syn done on 31/03/14. Full load achieved at 08.00 PM on 24.08.2014. Unit is under trial run operation for COD.</p> <p>3) Mills &amp; Feeders- 8 nos of milling system with feeder &amp; bunkers ready.</p> <p>4) Readiness of AHP Wet System – 08/14 and Dry System – 07/14.</p> <p><b>Unit-2</b></p> <p>1) Boiler erection started in Sep' 09. Drum lifting was completed on 2nd April' 10. Boiler Hydro test completed on 25.05.2012. Non drainable hydro done in 11/14. Work is in progress. BLU is expected in 04/15 and SBO start in 04/15 &amp; completion in 05/15.</p> <p>2) TG: TG Deck casting 26.06.10, Condenser erection started on 27.11.11, TG erection started on 18.12.12. TG Box up completed on 20/09/14. Oil flushing started in 08/14 and is under progress. TG barring gear in 04/15. Synchronisation in 05/15 and Full load in 05/15.</p> <p>3) Mills &amp; Feeders- No load trial run completed. Tripper's erection work in progress. Readiness of all 8 bunkers in in progress &amp; Mill reject system completed.</p> <p><b>Common Area:</b></p> <p>1) <b>Chimney</b>- Ready</p> <p>2) <b>Switchyard</b>- Switch yard charged on 23.06.12. ST-I charged on 14.08.12.</p> <p>3) <b>Ash Pond &amp; Ash Handling System:</b> Ash Pond compartment-I completed. 50% civil work in AP Compartment-II completed. Ash water recovery System civil work completed. Ash dyke availability with recovery system completed in 12/14. Ash dyke compartment-I completed.</p> <p>4) <b>Coal Handling Plant:</b> Crusher house ready. Work on Staker-2, TP-8, TR-1. TP-10&amp;11, Conv-10A, 12A, 11B is under progress.</p> <p>5) <b>Water Corridor:</b> Work at both ends has been started. 10.00 KM completed out of 12 KM (bypassing disputed land). Contingency arrangement for Water has been made from UTLA River near Salanchi bridge.</p> <p>6) <b>NDCT:</b> Interconnection work for NDCT-II which is used for Unit-I has been completed. Work on NDCT-I have been started. Shell casting completed. Work in progress for mechanical job.</p>
Unit-1	600	09/10 10/10	11/10	03/14(A) 08/14(A)	07/15		
Unit-2	600	12/10 01/11	02/11	05/15 05/15	08/15		
Investment approval. : 30.04.2007 (DVC Board)							
Estimated cost : Rs.412200 lakhs							
Revised approved Proj cost : Rs. 674499 lakhs							
Exp. During 2006-07 : Rs 40.92 Lakhs							
Cumul. Exp. 2006-07 : Rs 40.92 Lakhs							
Exp. During 2007-08 : Rs 39579.08 Lakhs							
Cumul. Exp. 2007-08 : Rs 39620.00 Lakhs							
Exp. During 2008-09 : Rs 18920.00 Lakhs							
Cumul. Exp. 2008-09 : Rs 58540.02 Lakhs							
Exp. During 2009-10 : Rs 157420.00 Lakhs							
Cumul. Exp. 2009-10 : Rs 215960.00 Lakhs							
Exp. During 2010-11 : Rs 129272.00 Lakhs							
Cumul. Exp. 2010-11 : Rs 345232.00 Lakhs							
Exp. During 2011-12 : Rs 122170.00 Lakhs							
Cumul. Exp. 2011-12 : Rs 467402.00 Lakhs)							
Exp. During 2012-13 : Rs 77979.00 Lakhs							
Cumul. Exp. 2012-13 : Rs 545381.00 Lakhs							
Exp. During 2013-14 : Rs 82716.00 Lakhs							
Cumul. Exp. 2013-14 : Rs. 628097.00 Lakhs							
Exp. During 2014-15 : Rs 51508.00 Lakhs (up to 12/ 14) Prov							
Cumul. Exp. 2014-15 : Rs. 679605.00 Lakhs (up to 12/ 14) Prov							
Main Plant order Date : 14.12.2007 on REL (EPC). BTG order placed on M/s Shanghai Electric Corporation China by REL							
Zero Date of Project : 14.12.2007							
<b>Power Evacuation System:</b>							
(i) S/C LILO of 400 KV Maithon (PG)-Ranchi (PG) D/C Line at RTPP-24 Ckm completed to meet the startup power of RTPP and evacuation of power from Unit-1.							
(ii) 400 KV D/C RTPP- Ranchi (PG) Line 311 Ckm for the power evacuation line expected to complete by 08/14.							
<b>Fuel Supply Arrangement:</b>							
FSA signed for 1.76 MTPA Coal from BCCL & 2.133 MTPA from CCL for Unit-1 & 2 on tapering basis and rest will be taken from the Saharpur-Jamarpani Coal block jointly allocated to RTPP PH-I & II.							
<b>Critical Areas</b>	Delay in land acquisition for Ash Pond, Rail and water Corridor. Work of NDCT-I Work on Raw Water line is very slow due to agitation by land loosers.						



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

Sl. No.	PROJECT DETAILS	Cap (MW)	Commissioning Schedule				Broad Status	Reasons for Delay
			Original		Actual(A) / As now Expected			
			Syn. comm	C O D	Syn. comm	COD		
<b>II</b>	<b>PROJECT UNDER CONSTRUCTION</b>							
1.	<b>Tripura CCPP Village :Palatana Distt:Udaipur (Tripura) OTPC (JV of ONGC, Tripura State and IL&amp;FS)</b>	<b>726.6</b>					<ul style="list-style-type: none"> <li>Gas Sales &amp; Purchase Agreement (GSPA) executed between OTPC and ONGC.</li> <li>BHEL appointed M/s SNC Power Corp. (P) Ltd., as civil contractor for the project.</li> <li>LOI for Logistics has been placed on M/s ABC India Ltd on 17.3.10.</li> <li>MoU signed on 30.11.10 for transportation of ODCs through Bangladesh's river and road routes.</li> <li>Major long lead items ordered namely GT, Rotor forgings, STG etc.</li> <li>Block -I Synchronized with NER Grid in CC mode on 22.10.12 &amp; achieved full load on 03.01.13. However during the trial run operation for COD, the gas booster compressor got damaged due to impurities in the gas supplied by ONGC. The gas pipe line length of 53 Kms is cleaned and ONGC installed cyclonic scrubbers at the supply end for supply of clean gas. <b>The unit was commissioned &amp; declared commercial operation on 04.01.14.</b> PG test conducted by BHEL during 2-4/6/14</li> <li>For Block-II HRSG hydro test completed. GT &amp; GTG oil flushing completed. <b>GT synchronized on 8.3.14.</b> ST boxed up, Oil flushing completed and put on barring gear in June, 2013. The repaired Gas Booster Compressor has been received at site from BHEL (Hydrabad) and 1 GBC commissioned. FSNL, ABO &amp; SBO completed in 03/14. <b>ST synchronized on 30.03.14 Commissioned in CC mode on 16/11/14.</b></li> </ul>	
Block 11	363.3	12/11	-	<u>22.10.12 (A)</u> <u>03.01.13(A)</u>			<ul style="list-style-type: none"> <li>Transportation of heavy equipments to site.</li> <li>Slow progress of civil works/ BOPs.</li> <li>Transmission Lines/Power Evacuation.</li> <li>availability of startup power.</li> <li>Non availability of cable (180Km)</li> <li>Repair of damaged CEP &amp; supply of missing/ damaged items.</li> <li>Repairing of Gas Booster Compressor &amp; filters.</li> <li>Delay in cleaning of gas pipe line from source to gas terminal at site (53 Km).</li> <li>Delay in installation of cyclonic scrubbers at the supply end.</li> <li>Delay in additional gas supply by ONGC.</li> <li>Availability of transmission line from Azara to Bongaigaon (MoE&amp;F clearance awaited)</li> </ul>	
Block 2	363.3	03/12	-	<u>30/03/14(A)</u> <u>16/11/14(A)</u>				
Date of Approval by State Govt.	15.01.2007							
Org. Est. cost	:Rs. 342900 lakhs							
Latest cost	:Rs. 404700 lakhs							
Exp. During 2008-9	: Rs 34737 lakhs							
Exp. During 2009-10	: Rs 10300 lakhs							
Exp. During 2010-11	: Rs. 96900 lakhs							
Exp. During 2011-12	: Rs 66700 lakhs							
Exp. During 2012-13	: Rs 81500 lakhs							
Exp. During 2013-14	: Rs 52563 lakhs							
Exp. During 2014-15	: Rs 29060 lakhs							
Total Exp. Up to 07/14	Rs. 371760 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 <b>M/s BHEL (EPC)</b>							
Zero date of the project	: 23.06.2008							
Power Evacuation	1. 400 kV Pallatana- Silchar D/C line with twin Lapwing conductor 2. 400 kV Silchar-Bongaigaon D/C line with twin Lapwing conductor 3. New 2x200 MVA 400/132 kV substation at Silchar (Assam) 4.Pallatana- Surajmani Nagar 400 kV DC charges at 132 kV							

# NEYVELI LIGNITE CORPORATION

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A)/ As now Expected		
			Syn. Comm	COD	Syn. Comm	COD	
2	<b>Tuticorin TPP</b> <b>Joint Venture of TNEB and NLC (NTPL)</b> <b>Distt. Tuticorin, TN.</b>	<b>1000</b>					<ul style="list-style-type: none"> <li>102.265 hectares of Land is available on long term basis.</li> <li>Sea water after treatment (11000 Cu M/hr).</li> <li><b>MOE&amp;F:</b> clearance accorded on 13.06.2007 and extended validity up to 12-06-17 vide letter dated 11-01-2013.</li> <li>M/s MECON appointed consultant for the project.</li> <li>Funding is arranged from RECL.</li> <li><b>Chimney:</b> Order placed on 29.01.10 (M/s Gammon). 269.5 m shell casting completed. Erection of flue cans for both units completed. Staircase erection I/P.</li> <li><b>NDCT:</b> Order placed on 12-03-10 on M/s Gammon. Shells and hot water risers completed for both CTs. Drift eliminator erection in U-1 and UPVC in U-2 is in progress. Stair case for U-1 is getting ready and that for U-2 is in progress.</li> <li><b>CHP</b> order placed on 31.07.09 (M/S L&amp;T). Erection of JT's and conveyor gallery is in progress. All structural material and equipment erected. CNB laying in progress. No load test for various conveyor segments is in progress.</li> <li><b>AHP</b> order placed on 08.04.10 (Energo). Five silo shell concreting completed. Fluidizing pads erection is in progress. All transformers for AHP charged.</li> <li><b>WTP:</b> order placed on 23.07.10 on M/s Tecton. RCC work for intake pump house, UF &amp; RO bldg, PT pump house and clarifier completed.</li> <li><b>FOS:</b> HFO/LDO tanks are filled with oil and are in service. Fuel oil pumps and pipe erection completed. The system is ready for use.</li> <li><b>CWS:</b> order placed on 31.10.09 on KBL. CW channel and fore bay completed. Pipe laid for both units. Brick work for pump house completed. Trail run in progress.</li> <li><b>DM:</b> One stream is ready for producing DM water. Cable laying and erection of equipment in RO bldg for other stream in progress. Pipe erection is in progress.</li> <li><b>FPS:</b> LOA issued to M/s Mather &amp; Platts. Roof slab is in progress MS pipe erection in power house.</li> <li><b>Switchyard:</b> Order placed on 29-01-10 (M/s L&amp;T). Erection of 400 kV GIS completed system charged and is ready for use.</li> </ul>
	U-1	500	01/12 03/12	04/12	02/15(A) 03/15(A)	04/15	
	U-2	500	06/12 08/12	09/12	03/15 04/15	05/15	
	Date of Sanction	: 12-05-2008.					
	Sanctioning Authority	: CCEA					
	Date of Inv. Approval	: 12.05.2008.					
	Original Estimated cost	: Rs 490954 Lakh (NLC:TNEB::89:11)					
	Latest Estd. Cost	: Rs 660270 Lakh					
	Exp. during 2007-2008	: Rs 827 Lakh					
	Exp. during 2008-2009	: Rs 21527 Lakh					
	Exp. during 2009-10	: Rs 50153 Lakh					
	Exp. during 2010-11	: Rs 88476 Lakh					
	Exp. during 2011-12	: Rs 115835 Lakh					
	Exp. during 2012-13	: Rs. 136002 Lakh					
	Exp. during 2013-14	: Rs. 106333 Lakh					
	Exp. during 2014-15 (up to 01/15)	: Rs. 61740 Lakh					
	Total Expenditure	: Rs 5808.91 Crores					
	Financial Closure	: Tied up with BOB & BOI					
	Type of fuel	: COAL					
	Date of Main Plant Order	: 28.01.2009 (BTG) on M/s BHEL.					
	Zero Date	: 28.01.2009.					
	Fuel Linkage	: Long term coal linkage for 3.0 MTPA of F-grade coal is available from Mahanadi coal fields LOA date s 24-09-10 FSA signed on 24-09-13.					
	PPA	: PPA signed with TNEB, DISCOM OF Andhra Pradesh, ESCOMs of Karnataka, PED Puducherry and KSEB.					
	ATS	: PGCIL has made the system ready					
Critical Issues	<ol style="list-style-type: none"> <li>1. Placement of order for fire fighting equipment and inlet &amp; outlet channels &amp; structure of CW System delayed.</li> <li>2. Delayed due to change in design of foundations (depth) of main plant area and finalization of civil contractors.</li> <li>3. Availability of soft water is delayed due to non-completion of erection of HDPE pipes.</li> </ol>						

STATE  
&  
PRIVATE  
SECTOR

# NORTHERN REGION

## Broad Status of Thermal Power Projects in Punjab

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / As now Anticipated.		
			Syn. Com.	COD	Syn. Com.	COD	
<b>Private Sector</b>							
1	<b>Talwandi SABO.TPP</b> <b>Talwandhi Sabo Power Ltd.</b> <b>(Distt: MANSA)</b>	1980					
	Unit-1	660	09/12 10/12	11/12	12/13(A) 06/14(A)	07/14(A)	<b>Unit-1:-</b> - Boiler erection started on 10.01.2011 - Boiler Hydro test done on 21/ 01/2013. - Boiler light up done on 22.11.2013. - SBO completed on 30.11.2013. - TG erection started on 16.08.2012 - TG boxed up on 24.03.2013. - TG oil flushing completed on 10.11.2013. - TG put on bearing gear on 15.11.2013. - Unit synchronized on 31.12.2013 - Unit commissioned on 17.06.2014. <b>Unit declared on commercial operation w.e.f. 5/07/2014.</b> <b>Unit- 2:-</b> - Boiler Hydro test done on 11.03.2014. - Boiler light up completed on 26/ 11/2014. - SBO completed on 30/11/14. - TG erection started on 15/ 03/13. - TG boxed up on 30/05/2014. - TG oil flushing completed on 24/10/14. - TG put on BG on 29/10/14. - Synchronized on 25.01.15. <b>Unit-3:-</b> - Boiler insulation work is in progress. - Boiler Hydro test done on 28/ 05 / 2014. - BLU is expected by 4/15. - TG erection started on 08/04 / 2013. - TG boxed up on 30/ 05/2014. - TG oil flushing completed on 20.12.14. - BG is expected by 4/15
	Unit-2	660	02/12 01/13	02/13	01/15(A) 04/15	04/15	
	Unit-3	660	04/13 05/13	06/13	06/15 07/15	07/15	
	Date of clearance by State Govt.	: 09/2006					
	Original/Latest Est. Cost	: Rs. 1025000 Lakhs					
	Date of Financial Closure	: 27.11.2009. Entire funding by holding Co. : Funding arrangement made. :Debt: 75%, Equity:25%					
	Exp. During 2009-10	:Rs. 101287 Lakhs					
	Exp. During 2010-11	: Rs. 64523 Lakhs					
	Exp. During 2011-12	:Rs. 255071 Lakhs					
	Exp. During 2012-13	:Rs. 193107 Lakhs					
	Exp. During 2013-14	:Rs. 198488 Lakhs					
	Exp. During 2014-15 (upto 12/14)	:Rs. 116333 Lakhs					
	Commulative Expd. (upto 12/14)	:Rs 928800 Lakhs					
	Type of fuel	: Coal grade E/F					
	Date of Main Plant Order	: 18.07.2009 (EPC) BTG+BOP on M/s SEPCO Electric Power Construction Corpn, Jinan, Shandon, China.					
	Boiler Make	: Harbin					
	Turbine & Generator Make	: Dong Fang.					
	Zero date	: 09.09.2009					
	Fuel Linkage	: M/s Mahanadi coal-fields ltd. Sambalpur have already issued LOA to TSPL on 14.08.2008 for 7.72 MTPA coal linkage - grade E/F from Basundra coal - fields for 1800 MW. Request for the enhancement of coal made for 10 MTPA for 1980 MW.					
	Associated Transmission System	The system will be provided by erstwhile PSEB (PSPCL). Investment for transmission system is the responsibility of PSPCL Following 400 KV, DC Twin-moose lines approved for evacuation of power ordered for execution by M/s PGCIL. Work in progress.  a) 400 KV Talwandi Sabo to 400 KV Nakodar with LILO of one ckt at 400 KVA PGCIL moga b) 400 KV Talwandi Sabo to 400 KV Nakodar with LILO of one ckt at 400 KVA PGCIL Mukatsar. c) 400 KV Talwandi Sabo to 400 KV Dhuri					
	<b>Critical Areas</b>	1) Enhancement of coal linkage from 7.72 MTPA (for 1800 MW) to 10 MTPA (For 1980 MW) from MoC. 2) Allotment of dedicate of coal block for coal linkage as nearest Coal mine is more than 1500 km away.					

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

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	
			Original		Actual (A) / As now Anticipated.			
			Syn. Com.	COD	Syn. Com.	COD		
<b>Private Sector</b>								
3	<b>Goindwal Sahib TPP GVK Power Ltd. (Distt. : Tarntaran)</b>	540					-Tata Consulting Engineers (TCE) Ltd. appointed as technical consultant. -Amended and Restated PPA signed with PSEB on 26.05.2009. -FSA executed on 06.06.2009.	
	Unit-1	270	11/12 04/13	05/13	07/13 (A) *	*	-Land possession: 1074.615 Acres of land acquired for the main plant. Possession of 37.98 Acres of land for railway corridor given on 09.02.2013. - BOP package is with M/s PUNJ LLOYD executed on 14.09.2009. 1) CHP: (PUNJ LLOYD): Wagon Tippler 1&2 erection completed. Stacker reclaimers slewing and traveling completed. Belt laying completed.	
	Unit-2	270	05/13 10/13	11/13	03/14(A) *	*	2) Chimney: 275 mtr height shell casting done. Unit-1: 7 <sup>th</sup> Flue can assembly completed. Staircase pedestals completed. Unit-2: Flue can 7/7 segments erection completed. 3) IDCT: IDCT- I: commissioned. IDCT- II : 14 cells fan erection completed.	
	Date of clearance by State Govt.	: 18.05.1998						
	Original Est. Cost	: Rs. 296381 Lakhs						
	Latest Est. Cost	: Rs. 296381 Lakhs						
	Date of Financial Closure	: 21.05.2010. IDBI is the lead lender Debt – 80% Equity – 20%						
	Exp. during 2010-11	:Rs. 94860 Lakhs						
	Exp. During 2011-12	:Rs.100725 Lakhs						
	Exp. During 2012-13	:Rs. 77166 Lakhs						
	Exp. During 2013-14	:Rs. 65749 Lakhs						
	Exp. During 2014-15 ( upto 09/14 )	:Rs. 28000 Lakhs						
	Commulative Expd. (Upto 09/14)	:Rs.366500 Lakhs						
	Type of fuel	: Pulverised Coal						
	Date of Main Plant Order	: 06.02.2009/ Notice to proceed on 29.09.2009 (BTG) on BHEL						
	Boiler Make	: BHEL						
	Turbine & Generator Make	: BHEL.						
	Zero date	: 21.05.2010						
	Fuel Linkage	: Received on 05.04.2006 for 2.5 MTPA Tokisud north coal field allotted as a captive coal mine. To supplement coal supply, MOC, allocated part of serregarha coal block to be developed jointly by GVK and M/s Arcelor Mittal.						
	Associated Transmission System	Three double ckt 400 KV transmission lines have been planned to the following proposed sub stations from the project (i) 220KV Sub station Khasa (ASR) - 60 Km (ii) 220KV Sub station Bottianwala (Ferozepur) - 38 Km (iii) 220KV Sub station Sultanpur (Kapurthala) - 20Km						
	<b>Critical Areas</b>	Financial crunch. Readiness of CHP, AHP. Delay in start of Mining operation.						

\* Uncertain due to cancellation of Tokisud Coal block by Supreme Court.

## BROAD STATUS OF THERMAL POWER PROJECTS IN RAJASTHAN

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. (Com.)	COD	Syn. Comm.	COD	
<b>A</b>	<b>PROJECT UNDER CONSTRUCTION</b>						
	<b>State Sector</b>						
1.	<b>Kalisindh TPP RRVUNL</b> (Distt. Jhalawar)	<b>1200</b>					<ul style="list-style-type: none"> <li>• LOA Placed on M/s BGR on 09.07.2008 to execute the project on EPC basis.</li> <li>• <b>CHP:</b> Erection work completed and CHP, ERH and SCR commissioned. U-1 commissioned. Mills erection for U-2 is in progress. BCN for U-2 is in progress.</li> <li>• <b>AHP:</b> Bottom ash disposal system is in progress. Erection of air handling system commissioned for U-1 and that for U-2 is under progress..</li> <li>• <b>NDCT:</b> CT-1 commissioned. Commissioning activities for CT-2 are in progress.</li> <li>• <b>Chimney:</b> 275 m RCC shell completed. Flue cans erection for both units completed. It is ready for use.</li> <li>• <b>FOS:</b> Fuel oil system is ready.</li> <li>• <b>CWS:</b> commissioning of CW pumps and ACW system is in progress for U-2.</li> <li>• <b>FPS:</b> Erection, testing and commissioning of FPS is in progress.</li> <li>• <b>Switchyard:</b> 220 kV and 400 kV switchyard work completed and charged.</li> </ul>
	U-1	<b>600</b>	10/11 12/11	-	5/13(A) 5/14(A)	5/14(A)	
	U-2	<b>600</b>	01/12 03/12	-	2/15(A) 03/15	04/15	
	Original Estimated cost		:Rs. 460000 lakh				
	Latest Estimated cost		:Rs. 772300 lakh				
	Expenditure During 2008-09		:Rs. 63700 lakh				
	Expenditure During 2009-10		:Rs. 84534 lakh				
	Expenditure During 2010-11		:Rs. 253596 lakh				
	Expenditure During 2011-12		:Rs. 142400 lakh				
	Expenditure During 2012-13		:Rs. 161870 lakh				
	Expenditure During 2013-14		:Rs. 128789 lakh				
	Expenditure During 2014-15 (up to February 2015)		:Rs. 14129 lakh				
	<b>Total Expenditure</b>		<b>: Rs 8490.18 Crores</b>				
	<b>Zero Date</b>		<b>: 09-07-2008</b>				
	<b>Financial Closure</b>		<b>: Achieved on 26-07-2011</b>				
	<b>Type of fuel</b>		<b>: Coal</b>				
	<b>Fual Linkage</b>		<b>: Imported</b>				
	<b>Date of main plant Order</b>		<b>: M/s BGR on 09.07.2008 (EPC)</b>				
	<b>Power evacuation system</b>		<b>: ATS is already in service.</b>				
							<ul style="list-style-type: none"> <li>• <b>Unit-1</b></li> <li>• <b>Boiler:</b> erection started on 23.10.2009. Boiler drum lifted on 19.05.10. SBO completed on 26-03-13. Insulation work completed.</li> <li>• <b>HT:</b> conducted on 08-04-11.</li> <li>• <b>BLU:</b> Completed on 30-12-12</li> <li>• <b>TG:</b> erection started on 20.12.10. Oil flushing completed on 25-01-13. TG Boxed up on 31-01-13, turbine put on barring gear on 03-02-13. <b>Unit Synchronised on 30-05-13. Full load achieved on 02-05-2014. COD date is 07-05-14.</b></li> <li>• <b>Unit-2</b></li> <li>• <b>Boiler</b> erection started on 26-03-10. Boiler drum lifted on 14-08-10. Insulation and cladding works are in progress.</li> <li>• <b>Boiler HT:</b> conducted on 15-12-11.</li> <li>• <b>Boiler light up:</b> done on 16-04-14. SBO completed in November 2014.</li> <li>• <b>Box-up:</b> TG boxed up on 28-10-14.</li> <li>• <b>ESP:</b> Air leak test is completed for all passes and insulation work is in progress. Testing and commissioning is in progress.</li> <li>• <b>TG &amp; condenser</b> erection started on 25-08-11. Generator placed in position. Oil flushing completed on 22-10-14. <b>Unit Synchronised on 27<sup>th</sup> Feb 2015.</b> HP bypass valve set. Coal firing and full load expected in March 2015. However, fuel oil pump is jammed.</li> </ul>
	<b>Critical Areas</b>		• GCB is critical now which is to be completed by M/s Alstom, a sub-contractor of M/s BGRES				



Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Syn. (Com.)	COD	Syn. Comm.	COD	
2.	<b>Chhabra TPP Extn. RRVUNL</b> (Distt. Baran )	<b>2x250</b>					<ul style="list-style-type: none"> <li>• LOA Placed on M/s BHEL. An advance of Rs.7421.25 lacs paid to BHEL.</li> <li>• <b>CHP</b> (TRF): Wagon Tippler-3 &amp; 4 civil works completed. TH1 &amp; TH2 completed up to 3.4 m. Crusher house structural erection completed, floor casting &amp; erection of equipment is in progress. Stack cum re-claimer is ready. Erection work in various galleries is in progress. Contingency arrangement for transferring coal from existing units to new units is completed.</li> <li>• <b>AHP</b> (Indure): Erection for U3 completed and 75% erection of U4 fly ash system is completed. 80% BAH work for U3 and 5% for U4 completed and other works are in progress. Clinker grinder is also to be erected.</li> <li>• <b>Chimney</b> (Syad Yusuf): Chimney shell casting and flue can erection completed. Grade slab at '0' level is still balance otherwise chimney is ready for use.</li> <li>• <b>Cooling Tower</b> (PCT): CT3 and CT4 are completed.</li> <li>• <b>PTP</b>: Flocculator walls are under construction. 50 % clarified water tank completed. 65% foundation erection work completed.</li> <li>• <b>DM Plant</b>: Both streams are generating DM water in manual mode.</li> <li>• <b>CW Pump</b> house: All CW pumps and ACW pumps are ready for use. Water fore bay is ready and is filled with water.</li> <li>• <b>FO system</b>: 100% works completed.</li> <li>• <b>FPS</b>: Supply (82.56%) received. 75 % erection of U3 and 60 % that of U4 is completed.</li> <li>• <b>Switchyard</b>: Erection of equipment is completed. Cabling, earthing control and relay panel work, is in progress.</li> </ul> <p><b>Unit-3</b></p> <ul style="list-style-type: none"> <li>• <b>Boiler</b>: erection started on 24-06-10, boiler drum lifted on <b>31-12-10</b>. Critical pipes erected. Boiler is ready for light up and lighted up. SBO completed on 15-03-13.</li> <li>• <b>HT</b>: conducted on <b>19-03-12</b>.</li> <li>• <b>Boiler</b> was lighted up on <b>31-12-12</b>.</li> <li>• <b>Box up</b>: done on <b>22-03-13</b></li> <li>• <b>ESP</b>: Structure erection completed. It is in use.</li> <li>• <b>TG</b>: Control room is getting ready. Cabling work is in Progress. IPBD erection is in progress. Oil flushing completed on <b>14-03-13</b>. TG put on barring gear on 25-03-13. <b>Unit Synchronized on 15-05-13 and achieved full load on 14-09-13. COD achieved on 19.12.2013.</b></li> </ul> <p><b>Unit-4</b></p> <ul style="list-style-type: none"> <li>• Blr erection started on 24-09-10, Boiler drum lifted on <b>06-06-11</b>.</li> <li>• <b>HT</b>: conducted on <b>07-12-12</b>.</li> <li>• <b>BLU</b>: done on 17-01-14 and <b>SBO</b> completed on <b>23-03-14</b>.</li> <li>• <b>ESP</b>: completed in all respect.</li> <li>• <b>TG</b>: Condenser erection started on 20-10-12 and TG started on <b>20-09-12</b> and completed, put on barring gear.</li> <li>• <b>Box up</b>: TG boxed up on 29-03-14. Oil flushing completed on 12-03-14. <b>Unit synchronized on 23-04-2014. Full Load achieved on 30-06-2014 and COD date is 30-12-14.</b></li> </ul>
U-3	<b>250</b>	03/11 (05/11)	-	5/13(A) 9/13(A)	12/13 (A)		
U-4	<b>250</b>	05/11 (07/11)	-	4/14(A) 6/14(A)	12/14 (A)		
Original Estimated cost		Rs. 220000 lakhs					
Latest Estimated cost		Rs. 303300 lakhs					
Expenditure During 2008-09		Rs. 22137 lakhs					
Expenditure. During 2009-10		Rs. 65594 lakhs					
Expenditure During 2010-11		Rs. 81890 lakhs					
Expenditure During 2011-12		Rs. 39999 lakhs					
Expenditure During 2012-13		Rs. 34898 Lakhs					
Expenditure During 2013-14		Rs. 392.92 Lakhs					
Expenditure During 2014-15 (up to Nov 2014)		Rs. 125.03 Lakhs					
<b>Total Expenditure</b>		<b>Rs. 2963.13 Crores</b>					
<b>Type of fuel</b>		<b>Coal</b>					
<b>Fuel linkage</b>		<b>Available</b>					
<b>Date of main plant Order</b>		<b>BTG on M/s BHEL on 20.08.2008</b>					
<b>Power evacuation system</b>		State owned					
<b>Critical Areas</b>		<ul style="list-style-type: none"> <li>• Completion of ESP works</li> <li>• Completion of SPBD works</li> </ul>					

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) /As now expected		
			Svn. Com.	COD	Svn. Com.	COD	
3.	<b>Ramgarh CCPP ST-III</b> RRVUNL (Distt. Baran )	<b>160</b>					<p><b>BOPs</b></p> <ul style="list-style-type: none"> <li><b>IDCT:</b> Erection works completed. Commissioning activities are pending.</li> <li><b>DM Plant:</b> DM Tank erection completed. DM building completed, one clarifier erected. Raft for neutralization pit cast completed. MCC room on roof level is in progress. Cabling works to be done.</li> <li><b>CWS &amp; ACWS:</b> ACW system is ready. Fore bay completed. Roof cast of MCC room of CW system completed. Pipe erection work is completed and commissioning is in progress.</li> <li><b>RWR:</b> Reservoir toe wall and pitching lining in progress for RWR-3. Excavation (33.8%) for RWR-4 is in progress.</li> <li><b>Switch yard:</b> All towers and gantry erected along with equipment. Equipment testing is in progress. 100 MVA, 220/132 kV ICT erected, testing to be done. GT, STG, UAT and ICT transformers all charged.</li> <li><b>GT:</b> 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</li> <li><b>Cranking:</b> done on 05-03-13 and <b>GTG</b> was run on full speed with no load. <b>Unit synchronized on 20-03-2013 and achieved full load on same day ie on 20-03-2013. COD date is 06-12-13.</b></li> </ul> <p><b>BTG</b></p> <ul style="list-style-type: none"> <li><b>CWPH:</b> Pump Floor cast is completed. Fore bay is getting ready. EOT crane to be erected for motor erection. Hot water riser pipes and CW pipes completed.</li> <li><b>PTP:</b> Walk way and launder slabs for both tanks completed.</li> <li><b>HRSG:</b> Blr erection started on 06-05-11. Drum lifted on 26-03-12. Erection completed. <b>HT</b> conducted on 15-04-13. Trail run of both BFP completed. Critical piping completed.</li> <li><b>Stack:</b> Main and by-pass stacks completed.</li> <li><b>Box up:</b> done on 21-12-13</li> <li><b>STG Building:</b> STG deck casted on 30.10.12. TG erection started on 04-07-13. Stator and rotor have been erected. STG boxed up on 21 -12 13. Main steam piping, completed. Steam blowing is in progress. Condenser end connections are in progress. Oil flushing completed. STG put on barring gear on 21-03-14. <b>STG synchronized on 05-04-14 and achieved full load on 01-05-14. COD date is 07-06-14.</b></li> </ul>
	GTG	<b>110</b>	05/11 05/11		3/13(A) 3/13(A)	12/13 (A)	
	STG	<b>50</b>	09/11 10/11	12/11	4/14(A) 5/14(A)	06/14 (A)	
	Original Estimated cost		Rs. 64000.0 Lakh				
	Latest Estimated cost		Rs. 64000.0 Lakh				
	Expenditure during 2009-10		Rs. 10832 Lakh				
	Expenditure during 2010-11		Rs. 24308 Lakh				
	Expenditure during 2011-12		Rs. 16910 Lakh				
	Expenditure During 2012-13		Rs. 14456 Lakh				
	Expenditure During 2013-14		Rs. 7764.50 Lakh				
	Expenditure During 2013-14 (up to May 2014)		Rs. 04.00 Lakh				
	<b>Total Expenditure</b>		<b>Rs. 742.74 Crores</b>				
	Type of fuel		Gas				
	Fuel linkage (FSA)		Finalised				
	Zero Date		27-07-09				
	Date of main plant Order		M/s BHEL on 18.08.2009				
	Power evacuation system : At 220 kV level						
	<b>Critical Areas</b>						

**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		
			Svn. (Com.)	COD	Svn. (Com.)	COD	
1.	<b>Anpara 'D' TPS UPRVUNL (Distt. Sonbhadra)</b>	<b>1000</b>					<p><b>UNIT-6</b> <b>Boiler</b></p> <ul style="list-style-type: none"> <li>- Boiler erection started on <b>02.08.2010</b>.</li> <li>- Boiler Drum lifted on <b>03.04.2011</b>.</li> <li>- Boiler hydro test done on <b>09/04/2013</b>.</li> <li>- Boiler light up completed on <b>18/12/14</b>.</li> <li>- SBO started on <b>17.02.15</b>.</li> <li>-SBO completed in <b>03/15</b>.</li> </ul> <p><b>TG</b></p> <ul style="list-style-type: none"> <li>- TG erection started on <b>15/ 03/2013</b>.</li> <li>- TG boxed up on <b>20.02.2014</b>.</li> <li>- Oil flushing started on <b>22.01.15</b>.</li> <li>- Oil flushing completed in <b>03/15</b>.</li> <li>Syn. Expected in 03/15.</li> </ul> <p><b>UNIT-7</b> <b>Boiler</b></p> <ul style="list-style-type: none"> <li>- Boiler erection started on <b>02.11.2010</b></li> <li>- Boiler Drum lifted on <b>05.12.2011</b>.</li> <li>- Boiler hydro test done on <b>03.07.2013</b>.</li> <li>- Boiler light up expected in 04/15.</li> <li>- SBO completion expected in 05/15.</li> </ul> <p><b>TG</b></p> <ul style="list-style-type: none"> <li>- Condenser erection started on <b>13.09.12</b></li> <li>- TG erection started on <b>31.07.2013</b>.</li> <li>- TG Boxed up in <b>3/14</b>.</li> <li>- TG OF start expected in 04/15.</li> <li>Syn. Expected in 06/15</li> </ul>
Unit-6	500	02/11 03/11	04/11	03/15 04/15	04/15		
Unit-7	500	05/11 06/11	07/11	06/15 07/15	08/15		
Date of approval by State Govt.		27.09.2006					
Financial closure		27.06.2008 with REC Debt- 70%, Equity- 30% by Govt. of UP					
Est. approved cost		Rs. 535879 lakhs					
Latest Est. Cost		Rs. 584302 lakhs					
Exp. upto 2005-06		Rs. 11 . lakhs					
Exp. upto 2006-07		Rs. 291 lakhs					
Exp. upto 2007-08		Rs. 47113 lakhs					
Exp. during 2008-09		Rs 4078 lakhs					
Exp. during 2009-10		Rs 61512 lakhs					
Exp. during 2010-11		Rs 127893 lakhs					
Exp. during 2011-12		Rs 99362 lakhs					
Exp. during 2012-13		Rs 61923 lakhs					
Exp. during 2013-14		Rs 72981 lakhs					
Exp. during 2014-15 (upto 12/14)		Rs 59610 lakhs					
Commulative Exp. upto 12/2014		Rs 534774 lakhs					
Type of fuel		Coal					
PPA		PPA signed with UPPCL on 26.05.2011 for 100% power purchase					
MoEF clearance		Achieved on 18.9.07.					
Fuel Linkage		Received for 1.77 MTPA of coal for one unit of 500 MW. For remaining quantity of coal applied to MOC					
Date of main plant order		BHEL. (BTG) on 24.10.07					
Zero date of the project.		13.01.08					
Power Evacuation system		765 KV line inter -connection between Anpara 'D' TPS to Anpara 'C' TPS – Unnao line already charged with 400KV.					
<b>Critical Areas</b>		Civil work for AHP, CW system and FO system are very slow (BHEL Scope). Man power deployment at site is inadequate. (BHEL scope). Fire fighting work is to be expedited by its Vendor.					

# 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.		
1	<b>State Sector</b>						<p>1) Order issued to M/s BHEL for supply, erection, Testing &amp; commissioning of BTG, Electrical and C&amp;I of Rs. 1942 crores on <b>11.04.08</b>. Civil works associated in BTG package issued on BHEL on <b>31.12.08</b>.</p> <p>2) MOE&amp;F clearance obtained on 05.02.08.</p> <p>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)..</p> <p>4) M/s Development Constructions Pvt.Ltd (DCPL, Kolkata) has appointed as consultants</p> <p>5) NOC from AAI for new Chimney obtained on 12.05.09.</p> <p><b>6) PPA: MOU executed with CSPDCL for sale of 100% power on 03.01.2011</b></p> <p>7) Construction of RCC Chimney and stack elevators work awarded to M/s Prasad &amp; company, HYd., on 04.03.10 by BHEL- PSER . Raft is completed. Shell concreting up to 270 M completed. Erection of steel flue can of unit-I completed and for unit-II erection Completed.All civil works including painting completed.</p> <p>8) BTG civil works awarded to M/s Bride &amp; 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.</p> <p><b>U-1: Boiler erection started on 15.02.10. Boiler drum of U-1 lifted on 06.08.10. , 33793/41612 MT of Pressure Parts + non-pressure parts +ESP erected. 18653 MT of Boiler material erected. HT completed on 05.10.11. Non Drainable HT completed. BLU completed on 14.01.13. EDTA completed on 28.06.14. SBO completed. MDBFP for both units and TDBFP for both the units completed. MDBFP cabling under progress. Waste oil tank erection &amp; its piping U/P. HFO line HT I/P. Safety valve exhaust line erection completed. Unit synchronized on 20.12.13 and full achieved on 30.03.14</b></p> <p><b>Rotating Machines: ID Fan-1A- Lun oil skid placed.. FD Fan 1A-Lub oil flushing completed. ASPH -1B- Commissioned PA Fan- A- Erection I/P, Fan-B- Lub oil flushing U/P &amp; piping fitting completed. PA system will be ready in 07/13. Mills ( RHS)- Lub oil skid 5/5 placed. Pipe fitting completed. Mills (LHS)- Journal opening- BTT 5/5 completed. Mill 1B- lub oil flushing completed. TG-1: TG deck completed. TG erection started on 13.03.11. TG boxed-up. TG onBarring gear on 27.11.13.</b></p> <p><b>U-2: Boiler erection started on 24.04.10 Boiler drum lifted on 6.3.11. 11682 MT erected.. HT Completed on 06.09.12 ( Drainable..BLU completed on 08.05.14. Boiler platforms erection, Mill bunker connection plate form erection U/P. Boiler insulation under progress. EDTA Cleaning completed on 28.06.14. SBO completed on 03.10.14. Synchronization with oil expected in 03/15 and full load by 08/15. TG-2: TG deck completed. TG erection started on 18.10.11 MDBFP lub oil flushing completed. MDBFP trail run completed. MDBFP H/c with Motor trail run done.TDBFP 2A seal steam piping U/P. TDBFP 2B lube oil &amp; Governing oil piping U/P. Control fluid oil flushing started. TG lub oil flushing completed. Generator stator lifting work completed. TG boxed –up in 07/14 . TG put on Barring gear on 16.01.15.</b></p> <p>LOI issued for other BOPs through ICB route on M/s BGR on 25.08.09.</p> <p>9) ESP: unit-1 – Control building, finishing ,water proofing work u/p. ESP out let to Chimney insulation work U/P. U-2: Hopper approach platform work I/P. D-pass hopper erection I/P. Insulation sheeting at ESP outlet area I/P.Slab at all</p>	
	Marwa TPS (Dist: JanjgirChampa, CG) Chattisgarh)							
	Unit-1	500	05/12	09/12	21.12.13 (A)	30.03.14 (A)		
	Unit-2	500	07/12	11/12	02/15	08/15		
	Dt of App. by State Govt	: 18.01.08						
	Permission to establish	: Obtained on 05.05.08.						
	Est. approved cost (11/08)	: Rs. 473500 lakhs						
	Latest cost (02/09)	: Rs. 527730 lakhs						
	Latest cost (05/10)	: Rs. 631800 lakhs						
	Exp. Upto 03/07	: Rs 496.16 Lakhs						
	Exp. During 07-08	:Rs 321 Lakhs						
	Exp. During 08-09	: Rs 39175 lakhs						
	Exp. During 09-10	: Rs 49580 lakhs						
	Exp. During 10-11	: Rs.100899 lakhs						
	Exp During 11-12	: Rs 143458 Lakhs						
	Exp During 12-13	:Rs 130726 lakhs						
	Exp During 13-14	:Rs 113769 lakhs						
	Exp During 14-15 (Up to 02/15)	:Rs. 92973 lakhs						
	<b>Total Cumm. Exp. ( up to 02/15)</b>	Rs. 671397 Lakhs						
	Type of fuel	Coal						
Financial Closure	: 31.03.08							
Zero date	11.04.08 for BTG and 25.08.09 for BOPs <b>Order for civil works Placed on BHEL on 31.12.08 which is considered as zero date.</b>							
Date of Main Plant Order	: BTG on BHEL on 11.04.08 (supply, erection & commissioning of BTG and Electrical & C&I) BTG associated civil works-M/S BHEL on 31.12.08. BOPs ordered on EPC on M/s BGR on 25.08.09							
Power Evacuation	Work of power evacuation is being taken up by CSP Trans. Co.Ltd.. i) Order placed for 400kV Marwa-Raipur DCDS line and route survey completed. ii) Construction of 400 kV Korba (W)-Khedamara DCDS line is in progress which shall be made in/out at Marwa. iii) 220 kV DCDS I/C Marwa-Champa line- profile is approved and order placed. iv) 220 kV DCDS Marwa- Bilaspur line is proposed							

Financial Tie -Up	10% from own sources and 90 % from PFC. PFC sanctioned loan on 31.03.08.	<p>elevation completed.&amp; ironite flooring &amp; brick work under progress.</p> <p><b>10) NDCT: U-1</b> Construction of tower shell completed. Basin raft, gutter raft, grillage column &amp; precast beam C W channel , stair case, PVC fills &amp; distribution system are U/P. <b>U:2:</b> Ring beam work completed construction of tower shell up to 170/170 m completed. Basin raft, gutter raft, grillage column u/p. No front is available for mechanical work in NDCT-2. PVC pipe erection work U/P.</p> <p><b>11) CHP:</b> Track hopper work U/P and civil &amp; structural work for TP-2 ,3,4,5,6,7,8 &amp;10 . PCC &amp;RCC works of Stacker/ re-claimer 11A-11B U/P. Track hopper MCC room civil works U/P. <b>Contingency route using hoppers is being made for commissioning of the unit.</b></p> <p><b>12) AHP:</b> Civil works under progress at ash silo &amp; compressor room and HCSD pump house &amp; MCC room. .Buffer hopper fabrication work and erection work u/p.. <b>Ash silo No 4 , 49.427 m &amp; silo No. 3, 49.277 m , silo.No.2 up to deck slab of 24. 06 m completed and silo No.1 , shell ready for casting.</b> HCSD pump house except flooring &amp; doorfixing completed. <b>AHP is critical: MCC room of AHP, Vacuum pump house, Ash slurry pump house etc.</b></p> <p><b>13) Switch Yard:</b> 220Kv Switch yard : Charged. 400 Kv : 68 Tower foundation work completed. &amp; equipment foundation work 530 completed and 68 Tower &amp; 51 No Gantry erected Tower structure &amp; equipment structure work 250 completed..</p> <p>Supply of material started by BHEL. About 12245079.2372 MT boiler material, 19581.8227 MT of ESP material and 19065.27577 MT of Turbo generator material was received at site as on 31.01.15</p>
Power Purchase Agreement	MoU has been signed with CSPDCL for sale of 100% power.	
FSA	<p>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</p> <p><b>Latest Status:</b> Unit synchronised on 20.12.13. CHP expected to complete by 20.03.2014. AHP contingency arrangement has been made ready except some portion of disposal line. Consent to operate and factory license are yet to be obtained. 250 MT (approximate ) coal reached at site.</p>	
<p><b>Critical Areas:</b></p> <p><b>Latest: Initial delay is due to Change of award of Chimney. Delay in readiness of BOPs (CHP-will be ready by 01/14, AHP - contingency will be ready by 02/14 etc.,) and Law &amp; Order Problems, pilferage of material etc.</b></p> <p><b>BGR's slow progress in CHP,AHP, 400 kV switch yard , ETP and for U-2 ,Bottom ash hopper , conveyor gallery between Boiler &amp;ESP, NDCT Common Issues: Deployment of adequate manpower, T&amp;P by BGR</b></p> <p><b>BHEL side –recoupment of loaned &amp; lost material.</b></p> <p><b>DC Motor for jack oil pump is not available. Hydrogen generation plant has not been commissioned till date by BHEL</b></p>	<p>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.</p> <p>2) MOP has been requested to grant of Mega Power Project Status.</p> <p>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 &amp; colony – Awarded, Disbursement of compensation in progress. (iii) Afforestation land 118.35 ha Awarded.</p> <p>4) Parsa coal block has been allotted on 02.08.06 with GR of 150mt.</p> <p>HP and IP Turbine to be supplied. Exp. date was 07/12. Generator 09/12 for U-2.</p> <p><b>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.</b></p> <p><b>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.</b></p> <p><b>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.</b></p> <p><b>AHP &amp; CHP Critical, 400 kV switch yard not ready and CWPH not ready due to power .</b></p> <p><b>The work in CHP&amp;AHP is lagging behind schedule because of civil fronts. BGR is unable to put appropriate civil agencies and also in adequate man power. Frequent change of civil agencies by BGR, the work is compounding. (Man power shortage- Required-6000 &amp; available-2000)</b></p> <p><b>BHEL: BHEL also has not provided the regular project Manager</b></p> <p><b>28.06.14</b></p> <p><b>Delay in completion of BOP facilities mainly Coal Handling Plant &amp;Ash Handling plant.</b></p> <p><b>Delay in construction of Railway infrastructure for transportation of coal from Naila yard to project site.</b></p> <p><b>Delay in completion of Chimney, Mills &amp; feeders, Hydrogen Generation Plant by BTG vendor.</b></p>	

2	Swastik TPP M/s SPMRPL Kanbera vill Korba Distt.					CFBC Boiler awarded on 29.03.10 to M/s IJT, Noida and TG set awarded to Siemens, Baroda on 25.02.10 Land acquired. Water allocation: Allotted by Secretary (WRD) Govt. of Chhattisgarh MOEF Clearance: Obtained from Member Secretary , Chhattisgarh Environment Conservation Board. State Pollution Control Board Clearance: Obtained from Member Secretary, Chhattisgarh Environment Conservation Board. Civil Aviation Clearance: Obtained from Airport Authority of India. Unit-1: Boiler erection started on 16.11.10. Drum lifted on 10.03.11. HT completed on 06.09.13.. BLU expected 01/15. SBO completed on 14.02.15. Unit Synchronized on 15.03.15. Full load expected in 03/15. ( 95% work completed in boiler area ) . Boiler Refractory work of completed. HP piping work U/P. (100% feed line & 95% steam line piping work completed) TG: Condenser erection started on 01.04.12. Turbine erection started on 15.04.12. All major equipment placed on foundation in TG side and alignment work is completed; TG box-up completed on 10.03.13.Oil flushing completed on 20.05.13 & Barring gear completed on 10.08.13. TG rolling expected shortly.  CHP: Civil works completed .Erection of trestles of conveyors & conveyor belts completed. Crushers & screen placed at position. Fabrication &erection of chute & hopper completed. Alignment of gear-box & motor of coal conveyor completed. <b>Trail of all equipment taken on 29.09.13.</b> AHP: 100% of civil foundation of pipe line support completed & civil work of fly ash silo 100% completed and construction of silo for bottom ash is under progress. AHP completed on 15.11.13. Cooling Tower . <b>Ready on 15.12.12</b> Chimney: <b>Ready on 15.10.12 (95 m height)</b> Fire protection System <b>completed on 31.05.13.</b> C&I System : <b>will be ready by 02.02.14</b> Project got delayed due to CHP contract revision by M/s OSM. Fund problem due to change in ownership. Delay in refractory work of boiler by M/s IJT  Project got delayed due to delay in refractory work of boiler by M/s IJT and demobilization of site CHP and AHP work by M/s OSM- OSM wanted price escalation due to variation in weight of structure.- Matter resolved and time taken to re-mobilization of site . Defect in Super heater coil which was sent to Yamuna Nagar for proper welding.	
	Unit-1	25	06/12	06/12	02/15	03/15	
	Date of TEC						
	Date of Approval by State Govt.						
	Est. Org. cost (1x20 MW)						Rs 13600 Lakhs
	Latest Cost						Rs. 14200 lakhs
	Exp. 2010-11						Rs. 5805 Lakhs
	Exp. In the year 2011-12						Rs 6263 lakhs
	Exp. In the year 2012-13						Rs. 4551 lakhs
	Exp. In the year 2013-14						Rs2210 lakhs
	Exp. In the year 2014-15 (Up to 12/14)						Rs 2255 lakhs
	Cumm. Exp. ( up to 12/14)						Rs 21084 Lakhs
	Financial Closure						Achieved on 30.09.09
	Type of fuel						Washery reject coal
	Date of Main Plant Order						29.03.10
PPA						PTC	
<p>The commissioning programme has been reviewed and observed that the schedule COD on 15.09.12 could not be achieved and the same has been rescheduled tentatively to 30.04.14. The main reason for extension of date of COD is as follows:</p> <p>The Start up power for this project will be from the 132 Kv network of CSPDCL. A 132 Kv pooling substation for the same has been constructed as a deposit work under the supervision of CSPDCL. The pooling sub station is physically ready. However, to charge the same, the formalities in relation to transfer of the land to CSPTCL, is under consideration with CSIDC, which is expected the last week of Feb.,14. The land has been transferred to CSPTCL on 07.07.14 , permission for start-up power &amp; connectivity e submitted to CSPDCL . ED of CSPTCL processes on 25.08.14 and the case has been sent to MD, CSPTCL on 30.08.14. Thereafter , MD, CSPTCL sent the case to MD, CSPDCL on 12.09.14 and has been sent to Chairman, CSPDCL on 19.09.14. After the approval of Chairman, the start up power will be available in the 1<sup>st</sup> week of Oct.,14</p> <p>With the availability of the start-up power from the pooling sub-station , the start up and pre-commissioning activities will be completed in 6-8 weeks time and the unit is expected to be synchronised by last week of Nov,2014 with full load by 20.12.2014.</p> <p>As per the ACB letter dated 26.11.14 : he application for importing start up power was submitted by ACB to CSPDCL &amp; same has been got sanctioned. The company also submitted application to CSPTCL for connectivity to/ charging of 132 kv pooling station. But same was pending for want of transfer of land of 120 M x120M for 132 kv pooling sub-station. The land was transferred to CSPTCL on 07.07.14 &amp; after completion of all the official formalities &amp; taking approval of competent authorities , CSPTCL had charged the 132 kv pooling sub-station on 04.11.14. It is ensured by CSPTCL that they will take action for charging of 132 kv plant sub-station in 1<sup>st</sup> week of Dec.,14. With the availability of the start-up power from the pooling sub-station , the start up and pre-commissioning activities will be completed in 6-8 weeks time and the unit is expected to be synchronised by 3<sup>rd</sup> week of Feb.,15 with full load by 22.03.15.</p> <p>As per letter dated 14.01.14 PPA for supply of 30 MW was signed with PTC on 20.04.09. Recently, on 17.10.13, PTC has been intimated that the contracted capacity will be 20MW out of one unit of 25 MW. PPA for 5% t.e 1.25 MW of net power shall be signed with CSPTCL</p>							
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 COD	
3	<b>Salora TPP (Katghora Tal; Distt. Korba) M/s Vandana Vidyut Ltd</b>	540					<p>a) LOA has been issued on 21.11.08 on M/s Cethar Vessels Ltd , Thiruchirapalli on BTG basis , Boiler : Cethar Vessels Ltd, Turbine Genarator: M/s Harbine Turbine Co.Ltd, China</p> <p>b) Land : Required 261 Ha , Possession : 260.899 Ha.</p> <p>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, <b>for 2<sup>nd</sup> phase of 1x270 MW under process with MoC. Carpet coal recommended for CEA for startup of 1<sup>st</sup> unit.</b></p> <p>d) PPA was signed with CSPTCLL on 05.01.11</p> <p>e) 18 MCM Water allocated by WRD, Govt.of C.G from Hasdeo River.</p> <p>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.</p> <p>g) <b>Cooling :Under progress</b></p> <p>h)<b>CHP : :Under progress</b></p> <p>i)<b>AHP: Under progress</b></p> <p>j)<b>Chimney: Flue can erection completed.</b></p> <p><b>Switchyard Back-charged on 29.09.12.</b></p> <p><b>FSA Signed</b></p> <p><b>Boiler:1</b> Erection of Boiler-1 started in 11/10. Boiler Drum lifted on 23.02.11. <b>HT completed on 28.01.12.</b> Explosive Approval obtained on 22.01.13 and oil will be arranged with in 3 days.. <b>BLU completed on 06.03.13. SBO completed. Unit synchronized on 04.09.13. Full load achieved on 10.04.14.</b></p> <p><b>TG-1:</b> TG erection started in 11/11and <b>TG box-up completed in 07/12</b> Letter issued by CEA to Chairman, CIL for 30000 T of coal for U-1 on 11.01.13.</p> <p><b>Boiler-2:</b> Boiler erection started in 11/10 and drum lifted in 04/11. <b>HT completed in 10/12 . BLU completed in 09/14 and steam blowing completed in 10/14. Synchronization expected by end of 01/15 and full load 02/15</b></p> <p><b>TG-2:</b> TG erection started in 11/11 and TG boxed-up 09/14 and barring gear in 10/14.</p> <p><b>Delay due to supply of boiler material &amp; CHP material by M/s Cethar Vessels Ltd.and delay in getting of start up power.</b> Delay due to agitation by the villagers at project site.</p> <p>BLU delayed due to problem in main steam valve. The main steam valve was replaced with another new valve on 22.02.13.</p> <p><b>Latest Status:</b> Unit Synchronized on 04.09.13. Unit was under shutdown for attending various commissioning problems. On 28.02.14 M/s. Cethar Ltd again send a drawing for modification of the oil gun guide with lug support. The burner problem remains unsolved. The basic reason is that the burners are not supporting properly. As Full load /COD has not been achieved within six months of synchronization as per the regulations of Electricity Act-2003, now they have to get permission from CERC for connectivity and after which WRLDC will give permission for re-synchronization. CERC has given the permission to injection of infirm power to the Grid upto 11.04.14 vide their order dated 14.03.14. V V L has submitted the CERC order to WRLDC for permission to inject the infirm power to the grid on 18.03.14 and got the permission from WRLDC on 20.03.14. Now V V L is trying themselves for completing balance work as Cethar Ltd. is not cooperating.</p>
		135	06/11	06/11	<b>04.09.13(A)</b>	<b>10.04.14(A)</b>	
	Unit-2	135	09/11	09/11	11/14	02/15 03/15	
	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				
	Rev.Cost		:Rs.				
	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		: Rs . 38000 lakhs				
	Exp. During 2013-14		: Rs . 38657 lakhs				
	Exp. During 2014-15( up to 12/14)		: Rs.15032 lakhs				
	Cumm. Exp. ( up to 12/14)		: Rs.238689 lakhs				
	Financial Closure		: Achieved in 08/2009				
	Zero date		:				
	Type of fuel		:				
	Date of Main Plant Order		: on M/s Cethar Vessels Ltd in Sep.,09 (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.				
	As per letter dated PPA 50 MW to TNEB through NVVN ( Short term basis) for one year						
	<b>Critical Areas</b>		Start up / carpet coal MOU is pending with SECL. FSA execution is pending with SECL Turbine -2 was ready from last 9 months ( as on 09/14), For commissioning HEC/HTC Engineers are required. AVR Feed back Card- pending from long time, LVDT replacement- All the LVDT are not working. Rotor stoppage alarm panel to be supplied, supply of Technical data sheet of TG instruments and ISCAN-2 <b>for Unit-2 as per letter dated in 09/14</b>				



## BROAD STATUS OF THERMAL POWER PROJECTS IN MADHYA PRADESH

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Comm	COD	Comm	COD	
2.	<b>Shree Singaji TPP -I (Malwa TPP ) Mega Project (At Purni, Distt. Khandwa) MPPGCL</b>	<b>1200</b>					<b>Unit-1</b> <ul style="list-style-type: none"> <li>• Boiler erection started in <b>09/10</b>.</li> <li>• Drum lifted on <b>8.03.11</b>.</li> <li>• HT (drainable) conducted on <b>25.4.12</b>.</li> <li>• BLU done in <b>05/13</b>.</li> <li>• EDTA completed in <b>05/13</b>.</li> <li>• SBO completed on <b>09.07.13</b>.</li> <li>• Condenser erection started in <b>02/12</b>.</li> <li>• TG erection started in <b>3/12</b>.</li> <li>• TG box up completed in <b>05/13</b>.</li> <li>• TG oil flushing completed in <b>06/13</b>.</li> <li>• TG on barring gear achieved on <b>09.07.13</b>.</li> <li>• Synchronised (oil) on <b>31.08.13</b>.</li> <li>• Coal fired on <b>30.09.13</b>.</li> <li>• Full load achieved on <b>18.11.13</b>.</li> <li>• <b>COD achieved on 01.02.14</b>.</li> </ul> <b>Unit-2</b> <ul style="list-style-type: none"> <li>• Boiler Erection started in <b>12/10</b>.</li> <li>• Drum lifted in <b>09/11</b>.</li> <li>• HT completed on <b>30.11.12</b>.</li> <li>• BLU done in <b>12/13</b>.</li> <li>• SBO started on <b>04.03.14</b>.</li> <li>• First stage SBO completed on <b>14.03.14</b>.</li> <li>• SBO completed in <b>07/14</b>.</li> <li>• Condenser erection started on <b>28.09.12</b>.</li> <li>• TG erection started on <b>31.12.12</b>.</li> <li>• TG Boxed up in <b>09/14</b>.</li> <li>• Oil flushing of piping started in <b>03/14</b>.</li> <li>• Oil Flushing completed in <b>10/14</b>.</li> <li>• Oil Syn and Coal Syn on <b>11.10.14</b>.</li> <li>• Full load achieved on <b>15.10.14</b>.</li> </ul>
	Unit-1	600	06/12	06/12	<b>11/13 (A)</b>	<b>02/14 (A)</b>	
	Unit-2	600	10/12	10/12	<b>10/14 (A)</b>	<b>12/14 (A)</b>	
	State Govt. approval	: Accorded					
	Org Est. approved cost	: Rs.405300 lakhs					
	Latest Cost	: Rs.782000 lakhs					
	Exp. upto 03/07	: Rs 2405 lakhs					
	Exp.2007-08	: Rs 1708 lakhs					
	Exp. 2008-09	: Rs 17171 lakhs					
	Exp. 2009-10	: Rs 49245 lakhs					
	Exp. 2010-11	: Rs.113365 lakhs					
	Exp. 2011-12	: Rs 177382 lakhs					
	Exp. 2012-13	: Rs 148239 lakhs					
	Exp. 2013-14	: Rs 146275 lakhs					
	Exp. 2014-15 ( <b>11/14</b> )	: Rs 51158 lakhs					
	Cumulative Exp ( <b>Till 11/14</b> )	: Rs.706951 lakhs					
	Type of fuel	: COAL					
	FSA	: Signed on 24.01.13.					
	Land	: Available.					
	BOP on EPC basis	: M/s L&T on 26.10.09.					
	PPA	: With MPPMCL					
	Mega Power Status	: Obtained.					
	Zero Date	: 12.12.08					
	Date of Main Plant Order	: Order placed on M/s BHEL for main power block with civil work on 12.12.08.					
	<b>Critical Areas</b>						

## 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.	
<b>State Sector</b>							
1.	<b>Chandrapur TPS Expansion (Distt.Chandrapur) MSPGCL</b>	1000					<ol style="list-style-type: none"> <li>1. MOE&amp;F clearance received in 01/09.</li> <li>2. Zero date of the project is 09.02.09 (Zero date shifted due to late release of initial advance to M/s BHEL).</li> <li>3. NIT issued for BOP packages on 7.11.08.</li> <li>4. Order for all the BOPs on EPC basis placed on M/s BGR, Chennai on 12.06.09. Zero date for BOP package is 10.07.09.</li> <li>5. In BOPs civil works are in progress.</li> </ol>
	Uni-8	500	04/12	06/12	01/15 (A)	03/15	
	Uni-9	500	07/12	09/12	06/15	08/15	
	Date of TEC	: Not Required					
	Approval by State Govt.	: 05.03.08					
	Est.Proj. cost.	: Rs. 55000 Lakhs					
	Latest Proj.cost	:Rs.649729 Lakhs					
	Exp. During 08-09	: Rs 15870 Lakhs					
	Exp. During 09-10	: Rs 56258 Lakhs					
	Exp. During 10-11	: Rs 75822 Lakhs					
	Exp. During 11-12	: Rs 113662 Lakhs					
	Exp. During 12-13	Rs: 50864 Lakhs					
	Exp. During 13-14	Rs: 103286 Lakhs					
	Exp. During 14-15 (upto02/15)	Rs: 75133Lakhs					
	Total Exp. (Upto -02/15)	: Rs 592301 Lakhs					
	Type of fuel	:Coal					
	Fuel Linkage	: From Machhakata captive coal mines Orissa.					
	Financial closure						
	Date of Main Plant Order	: M/S BHEL on 25.07.08 (BTG + C&I, Electrical & Aux Equip.)					
	Power Evacuation System: Existing 400kV/220 kV Chandrapur-II s/s along with switching station.						
							<ol style="list-style-type: none"> <li>1. Boiler erection started on 01.06.10.</li> <li>2. Boiler HT (Drainable) completed on 05.06.12.</li> <li>3. BLU completed on 30.03.14.</li> <li>4. <b>EDTA completed on 27.06.14.</b></li> <li>5. SBO started on 21.09.14. &amp;completed on 17.10.14.</li> <li>6. Unit normalization completed in 11/14.</li> <li>7. <b>Oil synch. achieved on 11.01.15.</b></li> <li>8. <b>Safety valve floating is expected by 20.03.15.</b></li> <li>9. Coal firing is expected on 20.03.15 with priority path.</li> <li>10. Readiness of CHP contingency is expected by 20.03.15.</li> <li>11. Readiness of AHP contingency is expected on 20.03.15.</li> <li>12. Full load is expected on 25.03.15.</li> </ol>
							<p><b>TG</b></p> <ol style="list-style-type: none"> <li>1. Condenser erection started in 03/12.</li> <li>2. TG deck casting completed in 12/11.</li> <li>3. TG erection started in 03/12.</li> <li>4. TG box up completed on 30.06.14.</li> <li>5. TG oil flushing completed on 09.08.14.</li> <li>6. <b>TG put on BG on 15.12.14.</b></li> </ol>
							<p><b>Unit-9 Boiler</b></p> <ol style="list-style-type: none"> <li>1. Boiler erection started on 05.01.11.</li> <li>2. Boiler HT (Drainable) completed on 29.10.12.</li> <li>3. BLU is expected on 25.03.15.</li> <li>4. EDTA is expected in 04/15.</li> <li>5. SBO completion with normalization is expected in 05/15.</li> <li>6. Oil synch. is expected in 06/15.</li> <li>7. Coal firing is expected in 07/15.</li> <li>8. Full load is expected in 08/15.</li> </ol>
							<p><b>TG</b></p> <ol style="list-style-type: none"> <li>1. Condenser erection started on 17.10.13.</li> <li>2. TG erection started on 17.10.13.</li> <li>3. TG box up is expected in 03/15.</li> <li>4. TG oil flushing completion is expected in 04/15.</li> <li>5. TG on BG is expected in 05/15.</li> </ol>
	<b>Critical Areas</b>	Delay in finalization of BOP agency.					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
2.	Koradi TPP , (Distt. Nagpur) MSPGCL	1980					1. Zero date of the project is 23.09.09. 2. All required clearances are available. 3. Orders for all BOPs on EPC basis placed on M/s Lanco Infratech Ltd on 27.07.10. 4. M/s Lanco Infratech Ltd has reported at site on 16.08.10.
	Uni-8	660	09/13	12/13	02/15 (A)	04/15	4. M/s Lanco Infratech Ltd has reported at site on 16.08.10. <b>Unit-8 Boiler</b> 1. Boiler erection started on 24.03.11. 2. Boiler HT (Non-Drainable) completed on 15.06.13. 3. EDTA cleaning started in 08/14. 4. <b>BLU completed on 11.09.14.</b> 5. SBO started on 14.01.15 and completed on 11.02.15. 6. <b>Oil synch. achieved on 25.02.15 at 16:17 Hrs.</b> 7. Full load is expected in 03/15.
	Uni-9	660	03/14	06/14	06/15	07/15	<b>Unit-9 Boiler</b> 1. Boiler erection started on 28.10.11. 2. Boiler HT (Non-Drainable) completed on 04.01.14. 3. BLU is expected in 03/15. 4. SBO completion is expected in 04/15. 5. Oil synch. is expected in 05/15. 6. Full load is expected in 06/15.
	Unit-10	660	09/14	12/14	01/16	02/16	<b>Unit-10 Boiler</b> 1. Boiler erection started on 15.02.12. 2. Boiler HT (Non-Drainable) completed on 05.07.14. 3. BLU is expected in 08/15. 4. SBO completion is expected in 09/15. 5. Oil synch. is expected in 01/16. 6. Full load is expected in 02/16.
	Date of TEC		: Not Required				
	Date of Approval by State Govt.		: N.A				
	Est.Proj. cost.		: Rs.1188000 Lakhs				
	Latest Proj.cost		: Rs. 1188000 Lakhs				
	Exp. Upto 03/10		: Rs. 70000Lakhs				
	Exp.during 10-11		: Rs. 23975Lakhs				
	Exp.during 11-12		: Rs. 203750Lakhs				
	Exp.during 12-13		:Rs.359844 Lakhs				
	Exp.during 13-14		:Rs.369480 Lakhs				
	Exp.during 14-15 (Upto 02/15)		:Rs.155459 Lakhs				
	Cumulative Exp.(Upto 02/15)		: Rs 1172942Lakhs				
	Type of fuel		:Coal				
	Fuel Linkage		: Machhakata & Mahanadi coal Block in Odisha				
	Financial closure		: Not Achieved				
	Date of Main Plant Order(LOA)		: M/S L&T on 23.09.09 (BTG)				
	Power Evacuation System:						<b>Unit-10 Boiler</b> 1.Boiler erection started on 15.02.12. 2.Boiler HT (Non-Drainable) completed on 05.07.14. 3.BLU is expected in 08/15 4.SBO completion is expected in 09/15. 5.Oil synch. is expected in 01/16. 6.Full load is expected in 02/16. <b>TG</b> 1. Condenser erection start is expected in 05/13. 2. TG deck casting completed on 24.02.13. 3. TG erection started on 27.06.13. 4. TG box up expected in 05/15. 5. TG oil flushing completion is expected in 08/15. 6. TG on BG is expected in 09/15.
	<b>Critical Areas</b>		Switchyard civil foundation work of various equipments & control room is to be expedited.- <b>Agency-M/s.MSETCL</b>				

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com.	Syn.	Com.	
3.	Parli TPS (Distt. Beed) MSPGCL	250					1. Zero date of the project is 20.01.09. 2. All required clearances are available. 3. Orders for all BOPs on EPC basis placed on M/s Sunil Hi Tech. 4. TG erection agency M/s. Van Sun & M/s. Jyoti turbo reported site on 08.04.14 & 18.04.14 respectively and started working.
	Uni-8	250	11/11	01/12	07/15	10/15	
	Date of TEC	: Not Required					
	Date of Approval by State Govt.	: N.A					
	Est.Proj. cost.	: Rs 137500 Lakh					
	Latest Proj. cost	: Rs 185924Lakh					
	Exp. Upto 03/10	: Rs. 7500Lakhs					
	Exp. During 10-11	: Rs 28701 Lakhs					
	Exp. During 11-12	: Rs 46823Lakhs					
	Exp. During 12-13	:Rs 45647Lakhs					
	Exp. During 13-14	:Rs 29461Lakhs					
	Exp. During 14-15 (Upto 02/15)	:Rs 12813Lakhs					
	Cumulative Exp. (Upto 02/15)	: Rs 165212Lakhs					
	Type of fuel	:Coal					
	Fuel Linkage	: Machhakata & Mahanadi coal block					
	Financial closure	:					
	Date of Main Plant Order(LOA)	: M/S BHEL on 20.01.09 (BTG)					
	Power Evacuation System:						
	<b>Critical Areas</b>	Delay in Finalization of BOP agency delayed the project. In adequate and non-sequential supply by BHEL					

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm	
7.	Amravati TPP , Ph-I (Distt: Amravati) M/s RattanIndia Power Limited (Formerly known as Indiabulls Power Ltd.)	1350					<ol style="list-style-type: none"> <li>All clearances are available.</li> <li>Zero date of the project is 30.11.09.</li> <li>Design &amp; Engineering is in progress.</li> <li>The order for all the BOPs have already placed and work in progress.</li> <li>Work on all the BOPs is progressing well.</li> <li>One chimney with twin flue (U-1&amp;2) completed. Triple flue (U-3-5) expected by 10/12.</li> </ol> <p><b>Unit-1 Boiler</b></p> <ol style="list-style-type: none"> <li>Boiler civil works started on 16.03.10.</li> <li>Boiler erection started on 04.10.10.</li> <li>Boiler drum lifting completed on 01.03.11.</li> <li>Boiler HT (Drainable) completed on 11.03.12.</li> <li>Boiler Light up completed on 24.08.12.</li> <li>SBO started on 11.01.13 and completed on 31.01.13.</li> <li>Steam dumping started on 05.03.13.</li> <li><b>Oil synch. achieved on 09.03.13.</b></li> <li><b>Coal synch. achieved on 22.03.13</b></li> <li><b>Full load achieved on 25.03.13.</b></li> <li><b>COD achieved on 03.06.13.</b></li> </ol> <p><b>TG</b></p> <ol style="list-style-type: none"> <li>TG civil works started on 27.04.10.</li> <li>TG erection started on 25.08.11.</li> <li>TG Box up completed on 08.06.12.</li> <li>TG oil flushing completed in 12/12.</li> <li><b>TG put on BG on 19.01.13.</b></li> </ol> <p><b>Unit-2 Boiler</b></p> <ol style="list-style-type: none"> <li>Boiler civil works started in 05/10.</li> <li>Boiler erection started on 20.10.10.</li> <li>Boiler drum lifting completed on 25.03.11.</li> <li>Boiler HT (D) completed on 31.03.12.</li> <li><b>Boiler light up achieved on 31. 03.13.</b></li> <li>SBO completed on 15.11.13.</li> <li>Normalization completed in 12/13.</li> <li>Oil synch. achieved on 01.02.14.</li> <li>Coal synch achieved on 01.02.14.</li> <li><b>Full load achieved on 17.02.14.</b></li> <li><b>COD achieved on 28.03.14.</b></li> </ol> <p><b>TG</b></p> <ol style="list-style-type: none"> <li>TG civil works started in 06/10.</li> <li>TG erection started on 31.12.11.</li> <li>TG Box up achieved on 05.08.13.</li> <li>TG oil flushing completed on 21.07.13.</li> <li><b>TG put on BG on 12.08.13.</b></li> </ol> <p><b>Unit-3 Boiler</b></p> <ol style="list-style-type: none"> <li>Boiler civil works started in 07/10.</li> <li>Boiler erection started on 05.01.11.</li> <li>Boiler drum lifting completed on 17.06.11.</li> <li>Boiler HT (D) completed on 07.10.12.</li> <li>Boiler Light up completed on 12.03.14.</li> <li>SBO started on 15.12.14 and completed with normalization on 10.01.15.</li> <li><b>Oil synch achieved on 18.01.15.</b></li> <li><b>Coal synch. also achieved on 18.01.15.</b></li> <li><b>Full load achieved on 29.01.15.</b></li> <li><b>COD achieved on 03.02.15.</b></li> </ol> <p><b>TG</b></p> <ol style="list-style-type: none"> <li>TG civil works started in 08/10.</li> <li>TG erection started on 29.02.12.</li> <li>TG Box up completed on 10.01.14.</li> <li>TG oil flushing completed in 01/14.</li> <li><b>TG put on BG on 30.01.14</b></li> </ol>
	Unit-1	270	11/11	12/11	03/13(A)	03/13(A)	
	Unit-2	270	12/11	12/11	02/14(A)	02/14(A)	
	Unit-3	270	01/12	01/12	01/15(A)	01/15(A)	
	Unit-4	270	02/12	02/12	03/15(A)	03/15(A)	
	Unit-5	270	03/12	03/12	03/15(A)	03/15(A)	
	Date of Approval by State Govt.		: N.A.				
	Org.Est. Proj. cost		: Rs.688900 lakhs				
	Latest.Proj. cost		: Rs.749333 lakhs				
	Exp. upto 03/10		: Rs 97723 Lakh				
	Exp. During 10-11		: Rs. 80446Lakhs				
	Exp. During 11-12		: Rs.225784 Lakhs				
	Exp. During 12-13		: Rs. 185928 Lakhs				
	Exp. During 13-14		: Rs. 111494 Lakhs				
	Exp. During 14-15 (Upto 12/14)		: Rs. 70303 Lakhs				
	Total Exp.(Upto 12/14)		:Rs. 771678 Lakhs				
	Financial Closure		: Achieved on 26.11.09				
	Type of fuel		:Coal				
	FSA		:With SECL & WCL in 06/09(LOA) FSA Letter awaited				
	Fuel Linkage		: From SLC (LT) on 12.11.08.(5.093MTA)				
	Date of Main Plant Order		: BTG on EPC basis awarded to BHEL on 30.11.09.				

Zero date of the project	: 30.11.09	
<p>Power Evacuation System: Through 400kV D/C quad Moose transmission line upto Akola from there in nearest CTU/STU.</p>		<p><b>Unit-4</b> <b>Boiler</b></p> <ol style="list-style-type: none"> <li>1. Boiler civil works started in 09/10.</li> <li>2. Boiler erection started on 17.02.11.</li> <li>3. Boiler drum lifting completed on 27.11.11.</li> <li>4. Boiler HT (D) completed on 31.03.13.</li> <li>5. Boiler Light up achieved in 12/14.</li> <li>6. SBO started on 12.01.15 and completed on 28.01.15.</li> <li><b>7. Oil synch. achieved on 02.03.15.</b></li> <li><b>8. Coal synch. achieved on 03.03.15.</b></li> <li><b>9. Full load achieved on 04.03.15.</b></li> <li><b>10. COD achieved on 07.03.15.</b></li> </ol> <p><b>TG</b></p> <ol style="list-style-type: none"> <li>1. TG civil works started in 10/10.</li> <li>2. TG erection started on 25.05.12.</li> <li>3. TG Box up completed in 11/14.</li> <li>4. TG oil flushing completed in 12/14.</li> <li><b>5. TG on BG achieved on 02.12.14.</b></li> </ol> <p><b>Unit-5</b> <b>Boiler</b></p> <ol style="list-style-type: none"> <li>1. Boiler civil works started in 11/10.</li> <li>2. Boiler erection started on 25.03.11.</li> <li>3. Boiler drum lifting completed on 13.01.12.</li> <li>4. Boiler HT (D) completed in 11/14.</li> <li>5. Boiler Light up achieved on 27.01.15.</li> <li>6. SBO started 06.02.15 and completed on 14.02.15.</li> <li>7. Steam dumping completed on 09.03.15.</li> <li><b>8. Oil synch. achieved on 11.03.15</b></li> <li><b>9. Coal synch. achieved on 11.03.12.</b></li> <li><b>10. Full load achieved on 12.03.15..</b></li> </ol> <p><b>TG</b></p> <ol style="list-style-type: none"> <li>1. TG civil works started in 12/10.</li> <li>2. TG erection started on 10.11.12.</li> <li>3. TG Box up completed on 18.10.14.</li> <li>4. TG oil flushing completed on 09.02.15.</li> <li><b>5. TG put on BG on 22.02.15.</b></li> </ol>
Critical Areas		

Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Comm	Syn.	Comm.	
9.	Nasik TPP , Ph-I (Distt: Nasik) M/s RattanIndia Nasik Power Ltd.(Formerly known as Indiabulls Realtech Ltd.)	1350					<ol style="list-style-type: none"> <li>All clearances are available.</li> <li>Zero date of the project is 24.11.09.</li> <li>Design &amp; Engineering is in progress.</li> <li>The order for all the BOPs have already placed and work in progress.</li> </ol> <p><b>Unit-1 Boiler</b></p> <ol style="list-style-type: none"> <li>Boiler erection started on 03.11.10.</li> <li>Boiler drum lifting completed on 31.03.11.</li> <li>Boiler HT (D) completed on 28.03.12.</li> <li>BLU completed on 22.10.12.</li> <li>SBO completion achieved on 15.04.13.</li> <li>Unit normalization completed in 04/13.</li> <li>Boiler lighted up for steam dumping on 22.12.13.</li> <li>Steam dumping started on 22.12.13.</li> <li>Rolling completed on 28.12.13.</li> <li>Oil synch. achieved on 05.02.14.</li> <li>Coal bunkering started on 10.02.14.</li> <li><b>Coal synch. achieved on 24.02.14.</b></li> <li><b>Full load achieved on 25.02.14</b></li> <li><b>COD achieved on 29.03.14.</b></li> </ol> <p><b>TG</b></p> <ol style="list-style-type: none"> <li>TG civil works started on 01.06.10.</li> <li>TG erection started on 25.09.11.</li> <li>TG Box Up completed on 30.01.13.</li> <li>TG oil flushing completed on 15.04.13.</li> <li><b>TG on BG achieved on 31.05.13.</b></li> </ol> <p><b>Unit-2 Boiler</b></p> <ol style="list-style-type: none"> <li>Boiler erection started on 08.12.10.</li> <li>Boiler drum lifting completed on 27.07.11.</li> <li>Boiler HT (D) completed on 03.07.12.</li> <li>BLU achieved on 27.11.13.</li> <li>EDTA completed in 02/14.</li> <li><b>SBO started on 28.02.14 and completed on 14.03.14.</b></li> <li>Coal synch. is expected on 25.03.15..</li> <li>Full load is expected on 28.03.15.</li> </ol> <p><b>TG</b></p> <ol style="list-style-type: none"> <li>TG erection started on 25.12.11.</li> <li>TG Box Up completed on 08.10.13.</li> <li>TG oil flushing completed on 31.12.13.</li> <li><b>TG put on BG on 10.03.14.</b></li> </ol> <p><b>Unit-3 Boiler</b></p> <ol style="list-style-type: none"> <li>Boiler erection started on 12.01.11.</li> <li>Boiler drum lifting completed on 12.12.11.</li> <li>Boiler HT completed on 30.10.13.</li> <li>Boiler Light Up is expected in 05/15.</li> </ol> <p><b>TG</b></p> <ol style="list-style-type: none"> <li>TG erection started on 19.01.12.</li> <li>TG box up is expected in 04/15.</li> </ol>
	Unit-1	270	12/11	02/12	02/14 (A)	02/14 (A)	
	Unit-2	270	02/12	04/12	03/15	03/15	
	Unit-3	270	04/12	06/12	08/15	09/15	
	Unit-4	270	06/12	08/12	11/15	12/15	
	Unit-5	270	08/12	10/12	02/16	03/16	
	Date of Approval by State Govt.	: N.A.					
	Org.Est. Proj. cost	: Rs.678900 lakhs					
	Latest Est. cost	: Rs.784898 lakhs					
	Exp. upto 03/10	: Rs.30620 Lakhs					
	Exp. During 10-11	: Rs. 100000Lakhs					
	Exp. During 11-12	:Rs180309 Lakhs					
	Exp. During 12-13	:Rs. 144526 Lakhs					
	Exp. During 13-14	:Rs 107396 Lakhs					
	Exp. During 14-15 (Upto 12/14)	:Rs 73620 Lakhs					
	Total Exp.(Upto 12/14)	:Rs. 636471 Lakhs					
	Financial Closure	: Achieved on 30.06.10					
	Type of fuel	:Coal					
	FSA	:With MCL, SECL & WCL on 11.06.09.					
	Fuel Linkage	: From SLC (LT) on 17.12.08.					
	Date of Main Plant Order	: BTG on EPC basis awarded to BHEL on 24.11.09.					

Zero date of the project	: 24.11.09	<b>Unit-4</b> <b>Boiler</b> 1. Boiler erection started on 16.05.11. 2. Boiler drum lifting completed on 23.12.11. 3. Boiler HT is expected in 03/15.
Power Evacuation System: Through 400kV D/C quad Moose transmission line upto MSETCL sub-station at Bhabaleshwar.		<b>TG</b> 1. TG erection started in 05/12. 2. TG box up is expected in 07/15.  <b>Unit-5</b> <b>Boiler</b> 1. Boiler erection started on 16.06.11. 2. Boiler drum lifting completed on 06.03.12. 3. Boiler HT is expected in 07/15. <b>TG</b> 1. TG erection start is expected in 03/15.
Critical Areas	Railway siding for coal transportation	



Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Syn.	Com m	Syn.	Comm.	
12	Dhariwal TPP, (Distt: Chandrapur) M/s Dhariwal Infrastructure Private Ltd.	600					<ol style="list-style-type: none"> <li>All clearances are available.</li> <li>Design &amp; Engineering completed.</li> <li>Order for BOPs on EPC basis have been placed M/s Punj Lloyd on 03.08.10. In all the BOPs work is in progress.</li> <li>Readiness of second ATS line is expected by end 02/14.</li> </ol>
	Unit-1	300	02/12	02/12	09/13 (A)	11/13 (A)	<p><b>Unit-1 Boiler</b></p> <ol style="list-style-type: none"> <li>Boiler erection started on 31.03.11.</li> <li>Boiler drum lifting completed on 18.10.11.</li> <li>HT (D) completed on 30.06.12.</li> <li>HT (ND) completed on 06.01.13.</li> </ol> <p><b>5. BLU achieved on 13.02.13.</b></p> <ol style="list-style-type: none"> <li>EDTA completed on 09.03.13.</li> <li>SBO completed on 02.04.13.</li> <li>Rolling done in 07/13.</li> </ol> <p><b>9. Oil synch. achieved on 02.09.13.</b></p> <p><b>10. Coal firing achieved on 16.09.13.</b></p> <p><b>11. Full load achieved on 03.11.13.</b></p> <p><b>12. COD achieved on 13.02.14.</b></p>
	Unit-2	300	05/12	05/12	04/14 (A)	05/14 (A)	<p><b>TG</b></p> <ol style="list-style-type: none"> <li>Condenser erection started on 10.02.12.</li> <li>TG erection started on 20.02.12.</li> <li>TG Box completed on 15.01.13.</li> <li>TG oil flushing completed on 01.03.13.</li> </ol> <p><b>5. TG put on BG on 23.03.13.</b></p>
	Org. Est. cost		: Rs.285000 lakhs				
	Latest Est. Cost		: Rs.372900 lakhs				
	Exp. During 10-11		: Rs 44300 lakh				
	Exp. During 11-12		: Rs 120600 lakh				
	Exp. During 12-13		: Rs 127900 lakh				
	Exp. During 13-14		: Rs 58900 lakh				
	Exp. During 14-15 (Upto 07/14)		: Rs 7600 lakh				
	Total Expenditure(Upto 01/14)		:Rs 352300 lakhs				
	Financial Closure		Achieved in 09/09				
	Type of fuel		:Coal				
	FSA		: Available				
	Fuel Linkage		: SECL				
	Date of Main Plant Order (Boiler &TG from SEC, China)		: BTG Contract awarded to Shanghai Electric Corporation China on 28.04.10.				
	<b>Power Evacuation System:</b> 50% with Chandrapur substation of MSETCL and 50% through 400KV Bhadrawati Parli circuit of CTU by LILO.						<p><b>Unit-2 Boiler</b></p> <ol style="list-style-type: none"> <li>Boiler erection started on 12.06.11.</li> <li>Boiler drum lifting completed on 05.03.12.</li> <li>Boiler HT (D) completed on 28.02.13.</li> </ol> <p><b>4. BLU completed on 15.11.13.</b></p> <ol style="list-style-type: none"> <li>SBO completed on 03.01.14.</li> <li>Rolling completed on 4.3.14.</li> <li>Oil synch. achieved on 30.04.14.</li> </ol> <p><b>8. Coal firing achieved on 06.05.14.</b></p> <ol style="list-style-type: none"> <li>AHP made ready on 15.05.14.</li> </ol> <p><b>10. Full load achieved on 28.05.14.</b></p> <p><b>11. COD achieved on 02.08.14.</b></p>
	<b>Critical Areas</b>		400 KV Transmission line is ready but due to non-readiness of Chandrapur –II MSETCL substation, arrangement for start up power being made at 220 KV level. However, for power evacuation Chandrapur II Substation should be ready.				
							<p><b>TG</b></p> <ol style="list-style-type: none"> <li>Condenser erection started 10.07.12.</li> <li>TG erection started on 10.07.12.</li> <li>TG oil flushing completed in 12/13.</li> <li>TG Box is completed on 15.10.13.</li> </ol> <p><b>5. TG put on BG on 13.01.14.</b></p>

# SOUTHERN REGION

**BROAD STATUS OF THERMAL POWER PROJECTS IN ANDHRA PRADESH**

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A) / Now expected		
			Syn Com	COD	Syn Com	COD	
1.	Vizag TPP (HNPC Ltd), Palavalasa village Distt. Vishakhapatnam Unit-1 Unit-2	1040 520 520	05/13 06/13 08/13 09/13	06/13 09/13	05/15 06/15 11/15 12/15	07/15 01/16	<ul style="list-style-type: none"> <li>• <b>Land:</b> 1122.38+300 acres of land acquired and is in possession.</li> <li>• <b>MOEF:</b> clearance obtained on 03-09-1996 and revalidated later on 04-03-2009.</li> <li>• <b>Water:</b> obtained allocation form APIICL for 7 cusec of sweet water and permission from IID to draw 1.8 lacs m<sup>3</sup>/hr of sea water for once through cooling system.</li> <li>• <b>SPCB:</b> clearance obtained from APPCB.</li> <li>• <b>Civil Aviation:</b> NOC obtained from AAI.</li> <li>• <b>Chimney:</b> shell constructed. Flue can erection completed for both units.</li> <li>• <b>CT: Not applicable due to once through cooling system.</b></li> <li>• <b>CHP:</b> RCC works in progress in track hopper and wagon tippler areas. SRC-1mechanical assembly completed and that for SRC-2 in progress. Structural erection of CH completed, floor casting is in progress. All four crushers erected. Alignment works and cabling works are in progress. Readiness expected by 1<sup>st</sup> week of Oct' 14.</li> <li>• <b>AHP:</b> Series pump's erected. Ash slurry p/h and pipe line to dyke works are in progress. Readiness expected by Oct' 14.</li> <li>• Desalination Plant is ready. <b>DM Plant</b> commissioned.</li> <li>• <b>CW System:</b> CW piping work inside plant and on jetty completed. piping works (800 m) plant boundary to sea are in progress. 02 nos of sea water p/p foundations ready. EOT crane ready. Piling works for discharge pipeline diffuser in progress. works are affected due to Hudhud cyclone.</li> <li>• <b>FO System:</b> ready.</li> <li>• <b>Switchyard:</b> Gantry work completed. Equipment erected and commissioning checks and testing in progress.</li> <li>• <b>Unit-1: Boiler:</b> erection started on 30-05-11. <b>Drum:</b> lifted on <b>10-01-12</b>. <b>HT</b> conducted on <b>28-12-12</b>. <b>BLU achieved</b> on 22.03.14. Desalination water is being made ready for EDTA. EDTA works started on 11.08.2014 and completed on 14.08.2014. <b>SBO started on 24.09.14 and works are affected due to Hudhud cyclone. 08 Mills ready. SBO restarted on 06.03.2015 and is in progress.</b></li> <li>• <b>TG:</b> Erection of condenser started on 03-03-12, that of TG on 25-07-12. <b>Box Up:</b> done on <b>21-09-13</b>. TG oil flushing completed. TG on barring gear from 05. 08.14.</li> <li>• <b>Unit-2:</b> Boiler: erection started on 29-09-11. Pressure parts, heater header alignment &amp; coil fit up works are in progress. <b>Mills lube oil flushing in progress.</b></li> <li>• <b>Drum:</b> lifted on 18-04-12. <b>HT</b> conducted on <b>28-03-13</b>. <b>HT (Non-drainable) expected in 06/2014</b>. <b>BLU:</b> completed on 30.07.14, EDTA to start shortly. <b>Works are affected due to Hudhud cyclone in Sea water system and switchyard.</b></li> <li>• <b>TG:</b> Erection of condenser started on 23-11-12 and that of TG on 04-03-13. HP and IP positioned. LP rotor and generator stator positioned. TG oil flushing in progress. <b>Final Box Up: expected in 03/15.</b></li> </ul>
	Org. Est. Cost	:Rs 554500.00 Lakh					
	Latest Est. Cost	:Rs 554500.00 Lakh					
	Expenditure up to 03/07	:Rs. 1494.00 Lakh					
	Expend during 07-08	:Rs. 154.65 Lakh					
	Expend during 08-09	:Rs. 4682.35 Lakh					
	Expend during 09-10	:Rs. 21672.00 Lakh					
	Expend during 10-11	:Rs. 49765.00 Lakh					
	Expend during 11-12	:Rs. 106611.00 Lakh					
	Expend during 12-13	:Rs. 171872.00 Lakh					
	Expend during 13-14	:Rs. 175590.00 Lakh					
	Expend during 14-15	:Rs. 91666.00 Lakh (up to 01/15)					
	<b>Total Expenditure</b>	: Rs. 6235.07Crores					
	<b>Bank disbursement</b>	: Rs. <b>3618.00 Crores</b>					
	<b>Zero date</b>	<b>:30.06.2010</b>					
	<b>Financial closure</b>	:Achieved on 29 <sup>th</sup> June'10 with a consortium of 14 Banks led by SBI (75:25 :: Debt: Equity)					
	<b>Coal Linkage</b>	: LOA issued by MCL for supply of 100% coal normative quantity to HNPCL for 2x520 MW TPP.					
	<b>FSA</b>	: Signed on 26-08-2013					
	<b>Date of Main Plant Order:</b>	EPC contract placed on BHEL on 30.03.10					
	<b>PPA</b>	: 100% power to be sold to APGENCO. Agreement signed with APDISCOMS on 17-05-13					
	<b>Transmission System</b>	: Applied to PGCIL on 30-07-10 PGCIL to develop ATS. LTOA application submitted to APTRANSCO on 21-10-2011.  400 kV Project – kalpakka D/C line is ready for start up and evacuation of power					
	<b>Mega Status</b>	: Provisional Mega Status is given					
Critical Areas	<p><b>CHP:</b> Currently rail line not available. Land acquisition problem. Coal to be brought by trucks. One stream from truck hopper to U-1&amp;2 to be made ready-Action by BHEL.</p> <p>Wet ash disposal system from ash slurry p/h to dyke –Action by BHEL.</p> <p>Inlet and outfall water system: Jetty, Pump house, Chlorination building, piping works-Gammon/Kirloskar/KALS, Singapore/Megha&amp;Sriram.</p> <p><b>Permission for temporary usage of RINL service road for coal transportation</b></p> <p>Amendment to CRZ clearance for railway line works: File sent from state CZMA to MOE&amp;F.</p> <p>Permission for temporary sharing of NTPC Simhadri railway line:</p> <p>Land acquisition/transfer for railway line (Land belongs to NTPC, Railways, RashtriyaIspat Nigam Ltd (Ministry of Steel), APGENCO, Government of AP, Wakf Board):- Action by MoP (Ministry of Power to pursue and expeditiously secure Cabinet approval for licensing of Govt/PSU lands to HNPCL and permission for temporary sharing of NTPC Simhadri railway line.)</p> <p>Permanent transmission facilities for power evacuation: Existing system is connected to kalapaka substation for evacuation from plant. There may be congestion if gas based power plants start running.-Action by APTRANSCO.</p> <p>Amendment to PPA-Action by AP State govt.</p>						
Delay reasons	Readiness of transmission line for back charging, intake and outfall system, CHP, Hudhud cyclone						

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Original		Actual.(A) / Anticipated		
			Syn. Com	COD	Syn. Com	COD	
5.	Sri Damodaram Sanjeevaiah TPP (Krishnapatnam) (APPDCL) Distt.Nellore Unit-1	1600					<ul style="list-style-type: none"> <li>• <b>Land:</b> Total land of 1217.8 Acres acquired and boundary wall completed</li> <li>• <b>Water:</b> allocated by Min of Port on 09-04-2007.</li> <li>• <b>SPCB:</b> clearance obtained on 01-10-2007.</li> <li>• <b>Civil Aviation:</b> clearance obtained on 13-11-06.</li> <li>• <b>MOE&amp;F:</b> clearance obtained on 17-07-07 and further extended to 16-07-17.</li> <li>• <b>M/s Desein Pvt. Ltd</b> appointed as project consultant and M/s Wapcos Ltd for sea water intake and outfall.</li> <li>• <b>Chimney:</b> Shell casting and external platforms completed. Shell painting completed. Flue can, ring beam, buffer and load bearings beams erected.</li> <li>• <b>NDCT:</b> CT1 commissioned. CT-2 shell completed and inside PU coating, fixing of SS mesh works in progress.</li> <li>• <b>CHP:</b> foundations of all JTs and trestles completed. Stackers cum reclaimers 1 commissioned and II is under commissioning. Roads works for transferring coal are under progress.</li> <li>• <b>External coal conveyer (4.1 km) order placed on M/s Indwell.</b></li> <li>• <b>AHP:</b> BAH with feed gate assembly erected, HCSD pump and slurry mixing tank with liners erected. Erection of dust conditioners, rotary unloader &amp; feeder with drive units in FA silo 1 &amp; 2 completed. AHP compressor house with erection of equipment completed</li> <li>• <b>RWPH:</b> Raw water MCC erected, commissioning work in progress.</li> <li>• <b>WTP:</b> Commissioned. Service water &amp; DM water generation started. ACW DMCW commissioned for U-1 and that for U-2 is in progress.</li> <li>• <b>CWS:</b> All 8 pumps and motors erected. CW piping for U-1 and U-2 and ACWP pipe erection completed.</li> <li>• <b>FO System:</b> LDO and HFO tanks; drain oil tank, oil separator and oil unloading system commissioned. Drain oil tank erected.</li> <li>• <b>FPS:</b> building is ready. Sea water pipes erected at FWPH. Piping (5/8 km) in various areas is under progress.</li> <li>• <b>Switchyard:</b> STs(2), UTs(4), UATs(4) and 400 kV switchyard Charged. <b>Unit-1</b></li> <li>• <b>Blr:</b> Erection commenced on 20-02-11. <b>HT conducted in 03/13. Blr lighted up on 13-08-13.</b> Mill trail run completed. EDTA cleaning completed on 09-09-13. SBO Completed and normalization works completed. Coal firing done on 17.04.2014.</li> <li>• <b>TG:</b> Condenser erection commenced 04-02-12. TG erection started on 10-01-12. Box up completed. Both TDBFP boxed up. <b>Unit synchronized on 31.03.2014 on oil. Achieved full load on 28.08.2014. Unit declared on COD w.e.f 05.02.2015.</b></li> <li>• <b>Unit-2</b></li> <li>• <b>Blr:</b> Erection commenced on 24-04-11 and 25920/31122 MT material erected till 06/14. Pressure parts erected. Mill equipment erected up to separator top. HT (drainable) completed in 12/2013. BLU completed on 22.06.2014. EDTA cleaning started on 27.06.2014. EDTA completed. SBO started on 13.09.2014 and completed on 20.11.2014.</li> <li>• <b>TG:</b> Condenser erection commenced 04-07-12. TG erection started on 28-07-12. TG boxed-up in 11/13.</li> <li>• <b>Unit synchronized on 16.12.2014 and achieved full load 17.03.2015.</b></li> </ul>
	Unit-2	800	05/12/07 /12	08/12	03/14 08/14	02/15	
		800	11/12 01/13	02/13	12/14 03/15	04/15	
	Org. Est. Cost Latest Est. Cost Expend during 06-07 Expend during 07-08 Expend during 08-09 Expend during 09-10 Expend during 10-11 Expend during 11-12 Expend during 12-13 Expend during 13-14 Expend during 14-15	:Rs 843200 lakh :Rs ----- lakh :Rs. 432 lakh :Rs. 449 lakh :Rs. 89960 lakh :Rs. 54785 lakh :Rs. 167208 lakh :Rs. 285441 lakh :Rs. 166940 lakh :Rs. 140394 lakh :Rs. 161269 lakh					
	Total Expenditure	<b>Rs 10780.51 Crore (up to 01/15)</b>					
	Approval date:	: 28-01-1906					
	Date of Main Plant Order	: <b>SG</b> on BHEL on 25-07-08 : <b>STG</b> on L&T on 26-06-08 : <b>BOPs</b> on Tata's on 10-02-09					
	<b>Zero date</b>	: 29-08-08 BHEL- Steam Gen : 23-09-08 L&T - STG : 27-02-09 Tata Pro Ltd - BOPs					
	Financial closure	: Financial Tie-up is made with PFC on 26-12-07, KFW Germany on 11-12-08 and local banks					
	Type of Fuel	:Coal – FSA on 20-12-06 for 5 million Ton per Annum with MCL (70:30::Ind: Imp)					
	PPA	:Entered with DISCOMs of 22-11-2010					
	Power Evacuation system	:Consent of APTRANCO on 01-03-2007					
Critical Areas	<p><b>Unit-1:</b> Completion of external CHP: Total length ~ 4km. Award is placed on Indwell by APPDCL. Indwell doing Piling works (250 piles completed). Engineering completed. Expected date of completion 04/2015.</p> <p>Currently coal is coming by trucks. Road is ready. - No issues with BHEL.</p> <p><b>Unit-2:</b> Power evacuation: Krishnapatnam to Chittoor direct line is not ready. Some towers, stringing works, ROU issues remains towards project side. But LILO connection to this line from Krishnapatnam-manubolu line is done. With these only 1200 MW can be evacuated.</p> <p>To evacuate 1600 MW Krishnapatnam to Chittoor, direct line is to be made ready by resolving ROU issues.-Action by APGENCO/State govt.</p>						

Sl. No.	Project Details	Cap. (MW)	Commissioning Schedule				Broad Status
			Orig.		Actual(A) / Anticipated		
			Syn. Com	COD	Syn. Com	COD	
9	Pynampuram TPP (2x660 MW) Disistt. Nellore, AP (M/s Thermal powertech Corporation Ltd.) Unit-1	1320					<ul style="list-style-type: none"> <li>• <b>Land:</b> acquired 1408.70 Acres.</li> <li>• <b>MOE&amp;F:</b> clearance issued on 04-11-2009.</li> <li>• <b>SPCBC:</b> clearance obtained on 15-05-2010.</li> <li>• <b>Civil Aviation:</b> AAI issued NOC on 21-12-2009.</li> <li>• <b>Water:</b> Allocation &amp; permission for use of 14000 m<sup>3</sup>/hr sea water issued on 15-06-2011 by Director of Port AP.</li> <li>• <b>Chimney:</b> Order placed on Haygreve Civil Engg. on 04-04-12. Flue can erection completed for Unit-1. Unit-2 flue can fabrication is in progress.</li> <li>• <b>NDCT:</b> Order placed on KBL on 21-12-11. CT1 shell concreting and internal columns completed and CT2 shell casting completed.</li> <li>• <b>CHP: External CHP~5 km commissioned.</b> Erection of TPS, trestles and conveyor belt is under progress. U-1 stream readiness expected by 10.10.14.</li> <li>• <b>AHP:</b> Order placed on Macawber Beekay Pvt. Ltd. on 19-06-12. Silos are in progress. Bottom ash system, pipeline, slurry pH readiness expected by 10.10.2014.</li> <li>• <b>WTP:</b> Piling works completed. Foundation work is in progress.</li> <li>• <b>DM Plant:</b> Foundation s completed and break water tank erected.</li> <li>• <b>CW S:</b> Orders placed for CW pipes and CW pumps on PSL and Kirloskar. Pits completed, fore bay channel and cw pipes laying is in progress..</li> <li>• <b>FPS:</b> Order placed on Mather &amp; Platt on 29-02-12. Foundations of, FWST &amp; FWPH are in progress.</li> <li>• <b>FOS:</b> Order placed on Delta P.D. Pumps on 14-05-12. HFO tank3 and all LDO tank shells erected. Dyke wall /raft concreting is i/p.</li> <li>• <b>Switchyard:</b> Order placed on M/s Areva on 25-10-11. GIS erection started, cable tray structural erection and external switchyard in progress.</li> </ul> <p><b>Unit-1</b></p> <ul style="list-style-type: none"> <li>• <b>Boiler:</b> Blr erection started on 19-01-2012. 6168/7000 MT structural material erected. 6651.8/7500 MT pressure parts erected.</li> <li>• <b>HT (Drainable):</b> conducted on 29-10-13. Non-drainable HT completed on 13.04.2014. BLU completed on 24. 09.2014. SBO started on 30.10.14. SBO completed on 04.11.14.</li> <li>• <b>ESP:</b> Foundation work completed. Erection started and 6626/8000 MT structural material has been erected.</li> <li>• <b>TG:</b> Condenser erection started on 10-05-13. Deck casting completed. TG erection started on 10-06-13. Base plate erection LP-A/B is in progress. Stator positioned, alignment is in progress. TG oil flushing started in 06/2014 and expected to be completed by end of 07/2014. TG box-up completed on 11.08.2014. TG on barring gear from 18.10.14. <b>Unit synchronized on 22.12.2014. Unit achieved full load on 07.02.2015. Unit declared on COD w.e.f 02.03.2015.</b></li> </ul> <p><b>Unit-2</b></p> <ul style="list-style-type: none"> <li>• <b>Boiler:</b> Blr erection started on 24-05-2012. 6051/7000 MT structural material erected. 6549/7500 MT pressure parts erected. 42220/42500 welding joints completed by 12/13.</li> <li>• <b>HT:</b> Non-drainable hydro test completed in 07/14. BLU expected in March, 2015.</li> <li>• <b>ESP:</b> Erection in progress and 6103/8000 MT structural material erected.</li> <li>• <b>TG:</b> Condenser erection started on 12-07-13. TG erection started on 01-11-13. TG box-up expected in Mar'15. TG oil flushing in progress.</li> </ul>
	Original Estimated Cost	Rs. 686900.00 Lakh					
	Latest Estimated Cost	Rs. 686900.00 Lakh					
	Expenditure During 09-10	Rs. 16200.00 Lakh					
	Expenditure During 10-11	Rs. 55700.00 Lakh					
	Expenditure During 11-12	Rs. 97100.00 Lakh					
	Expenditure During 12-13	Rs. 299200.00 Lakh					
	Expenditure During 13-14	Rs. 264700.00 Lakh					
	Expenditure During 14-15	Rs. 198461.00 Lakh					
	Total Expenditure	Rs. 9313.61 Crores (up to 01/15)					
	<b>Zero date</b>	Unit-1 :15-02-2011 Unit-2 :15-05-2011					
	<b>Financial closure</b>	Achieved on 13-09-2010					
	Date of Main Plant Order -BTG	Order placed for <b>BTG on 20-09-2010</b> on Dongfang Electric corporation, China. NTP issued on 15-02-2011.					
	BTG Erection order	Placed on BGERs on 22-10-2010					
	BOPs	Order placed on 23-02-11 (NTP issue date)					
Coal Linkage	FSA signed with PT Bayan Resources Tbk on 23-02-2012 for 1 MTPA imported coal. FSA for 30% domestic coal signed with MCL on 22-06-13.						
PPA	Long term PPA signed on 01-04-13 for 500 MW for 25 yrs with AP Discoms.						
Power Evacuation System	LTOA and power transmission agreement signed with PGCIL on 24-12-2010 for the following: a) 400 kV Project to Nellore pooling station D/C line (Quad) – Charged on 30-08-2013 b) 765 kV Nellore – Kumnool c) 400 kV bays at Nellore pooling station						
BPTA	BPTA signed on 20-10-2010						
Critical Areas							

# EASTERN REGION

## BROAD STATUS OF THERMAL POWER PROJECTS IN ODISHA

Sl. No.	Project Details	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual(A) / As now Expected		
			Svn. (Com.)	COD	Svn. (Com.)	COD	
6.	Derang TPP M/s Jindal India Thermal Power Ltd. (Distt-Angul)	1200					a) Main plant package awarded to BHEL on 26.07.09. b) CHP: Awarded to M/s Techpro. c) AHP: Awarded to M/s Mecawber Beekay. d) Cooling Towers: Awarded to M/s PCT. e) Chimney: Awarded to M/s Gammon India ltd.
	U-1	600	01/12 03/12		03/14(A) 05/14(A)		
	U-2	600	04/12 06/12		12/14(A) 01/15(A)		
	Date of Sanction / Investment Decision		FC for U-1&2 achieved on 8-10-2008 & 22-12-2009 respectively				
	Sanctioning Authority						
	Est. approved cost		` 596100 Lakhs				
	Expenditure during 2008-09		` 11974.41 Lakhs				
	Expenditure during 2009-10		` 20861.15 Lakhs				
	Expenditure during 2010-11		` 76986 Lakhs				
	Expenditure during 2011-12		` 142210 Lakhs				
	Expenditure during 2012-13		` 156432 Lakhs				
	Expenditure during 2013-14		` 146202 Lakhs				
	Expenditure during 2014-15		` 33635 Lakhs (upto 10/2014)				
	Type of fuel		Coal				
	Fuel Linkage		MCL for 600MW (Linkage) U#1, Mandakani-A for 600MW (Block) U#2				
	Order main plant		BHEL, 26.07.09				
	Power Evacuation system		Bulk Power Transmission Agreement (BTPA) with PGCIL on 13.05.10				
	Critical Areas						<p><b>Unit-1</b></p> a) Boiler erection started on 10.12.10. Boiler drum lifted on 05.08.11. Boiler Hydro test completed on 15.11.12. BLU achieved on 10.12.13. EDTA completed in Dec 2013. SBO started on 23.01.14 and completed on 15.2.14. TG erection is started on 30.02.12. TG box up completed on 8.8.13. Oil flushing completed on 17.1.14. TG put on barring gear on 14.2.14. <b>Unit synchronized on 29.03.14 and coal fired on 31.03.14. Unit achieved full load on 10.05.14.</b>
							<p><b>Unit-2</b></p> a) Boiler drum lifted on 27.12.11. Boiler hydro test conducted on 14.02.13. Boiler light up completed on 02.08.14. EDTA completed on 14.8.14. SBO started on 26.9.14 and completed in 10/2014. b) TG. Condenser erection started on 15.10.12 and TG erection started on 5.8.13. Turbine Boxed on 16.9.14. <b>Unit synchronized on 13.12.14. Coal firing done on 7.1.15, Unit commissioned on 24.01.15.</b>

**BROAD STATUS OF THERMAL POWER PROJECTS IN WEST BANGAL**

Sl. No	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status
			Original		Actual (A)		
			Syn. (Comm)	COD	Syn. (Comm)	COD	
1	<b>Haldia TPP-, Phase-I At: Haldia Distt. East Midnapore, (WB) Unit-1</b>	600					Order for Main Plant package (BTG) has been placed on M/s Shanghai Electric Power Generation Group, China. <b>Unit-1</b> 1) <b>Boiler</b> civil work started in March, 12. Boiler erection started in Sept., 12. Drum lifted in March, 13. Hydro Test done on 27.10.13. Non drainable HT done in 05/03/14. BLU done on 28.03.14. SBO completed on 04/05/14. 24 nos. ESP Commissioned. ID&FD in operation. PA fan commissioned. 2) <b>TG</b> – TG civil work started in April, 12. Condenser erection started on 20.07.13. TG erection started in 08/13. TG Box-up completed in March, 14. TG Oil flushing started in 01/14 and completed. TG on Barring Gear on 05/06/14. TG full speed No load test achieved on 28.06.14. Syn. (Oil) on 07/01/15 and Coal syn on 09/01/2015. Full load achieved at 19.45 hrs on 14/01/15. <b>COD: 28.01.2015</b>
		300	05/14 08/14	09/14	01/15 01/15	01/15	
	<b>Unit-2</b>	300	08/14 11/14	12/14	02/15 02/15	02/15	<b>Unit-2</b> 1) <b>Boiler</b> civil work started in June, 12. Boiler erection started from Dec. 12 and erection of pressure parts in advance stage. Drum lifted in June, 13. Hydro Test completed in 03/14. Non drainable hydro done on 09.07.14. BLU done on 26.07.14. EDTA completed. SBO completion on 30/08/14. ID & FD (Set-A) ready commissioning of ID & FD (Set-B) ready. ESP A&B- pass commissioned. 2) <b>TG</b> : Erection of Condenser in 12/13 and TG in 02/14 have been started. TG temporary Box up completed. Oil flushing completed on 30-11-14. TG Barring Gear on 14/12/14. Oil Syn. done on 05.02.15. Coal Syn. 10/02/15. Full load achieved on 16.02.15. <b>COD: 21.02.2015</b> 3) <b>Cooling Tower</b> : completed. 4) <b>Coal Mills</b> - All mills are in operation. <b>BOPs</b> 1. <b>CHP</b> : Order placed on 23.03.12 on M/s. Bengal Tools Pvt. Ltd. In operation 2. <b>Water System</b> : Intake pump house and cross country pipeline commissioned and ready for operation. All Raw water pumps are commissioned. 3. <b>CW Area</b> : 4 nos CW Pump commissioned. ACW Pumps 3 out of 3 commissioned. 4. <b>DM &amp; PT Plant</b> : Order placed on 18.06.12 on Ion Exchange. DM Plant in operation. 5. <b>Chimney</b> : Ready in all respect and is in operation. 6. <b>400 KV Switch Yard</b> : Switch Yard erection completed and charged on 26.12.14. 7. <b>Rail Infrastructure</b> - Embankment work and track laying for spur line completed. OHE work completed. Rack movement is in progress. 8. <b>Power evacuation</b> : Transmission lines are in operation.
Investment approval/Financial Closure : Achieved							
Original Estimated cost : Rs. 309750.00 Lakhs							
Revised App. Project cost : Rs. 309750.00 Lakhs							
Exp. Up to 2011-12 : Rs 36311.00 Lakhs							
Cumul. Exp 2011-12 : Rs 36311.00 Lakhs							
Exp. During 2012-13 : Rs 67380.00 Lakhs							
Cumul. Exp. 2012-13 : Rs 103691.00 Lakhs							
Exp. During 2013-14 : Rs 163232.00 Lakhs							
Cumul. Exp. 2013 -14 : Rs 266923.00 Lakhs							
Exp. During 2014 - 15 : Rs 46563.00 Lakhs (till 01/15)							
Cumul. Exp. 2014 -15 : Rs 313486.00 Lakhs (till 01/15)							
Main Plant Pkg (BTG) order Date: 14.09.2011 on Sanghai (China)							
Zero Date of Project : 17.11.2011(NTP)							
<b>Power Purchase Agreement:</b> 600 MW with CESC.							
<b>Power Evacuation System:</b>							
a) 400 KV D/C transmission Line from Haldia to PGCIL Subhasgram Substation and 220 KV D/C transmission line from Subhasgram Substation to CESC Nonadanga Substation.							
<b>Fuel Supply Arrangement:</b>							
LOA for long term fuel linkage received from Mahanadi Coalfields Ltd (MCL). 24 months Milestones schedule complied with. <b>FSA signed with MCL on 21.08.2013.</b>							
<b>Land Possession:</b> 326 acres required for main plant area (Ph-I) is in possession.							
<b>Water Allocation:</b> Clearance for 90 cusec water drawl from Hooghly river obtained from Kolkata Port Trust, CWC and Irrigation & Waterways Department, GoWB.							
<b>MOE&amp;F Clearance</b> : Obtained							
<b>SPCB Clearance:</b> Consent to establish & operate obtained from WBPCB.							
<b>Civil Aviation Clearance:</b> Aviation Clearance obtained from Airport Authority of India.							
<b>Critical Areas</b>							