



Sl. No.	PROJECT DETAILS	Capacity (MW)	Commissioning Schedule				Broad Status	Critical Areas
			Original		Actual (A) /As now expected			
			Syn.	COD	Syn.	COD		
3.	<b>Sipat TPS St-I</b> (Dist. Bilaspur, Chattisgarh) Unit-1 Unit-2 Unit-3	<b>1980</b> 660 660 660	48 months for 1st unit and subsequent units at an interval of 1 year each from date of placement of order (11 <sup>th</sup> Plan)				a) <b>Order for T.G. placed on M/s Power Machines, Russia on 6.4.04.</b> b) <b>Order for S.G. placed on M/s Dussan, Korea on 15.4.04.</b>	
	Date of TEC Investment Approval Sanctioning Authority Est. approved cost  Exp. Upto 03/03 Budget Estimate (03-04) Exp. During 03-04 (upto 01/04) <b>Type of fuel</b> <b>Date of Main Plant Order</b>	: 17.01.2000 : Not yet accorded : - : US \$ 991.921 M + Rs. 479716.8 lakhs. (Exchange rate US\$ =Rs.42.50) =Rs. 901283.2 Lakhs : Rs 12686 Lakhs : Rs. 38667 lakhs : Rs. 2855 Lakhs. : <b>Coal</b> : <b>TG: M/s Power Machines, Russia on 6.4.04</b> : <b>SG: M/s Dussan, Korea on 15.4.04</b>						
4.	<b>Sipat TPS St-II</b> (Dist. Bilaspur, Chattisgarh) Unit-4 Unit -5** Date of TEC *** Investment Approval Sanctioning Authority Est. approved cost  Exp. Upto 03/03 Budget Estimate (03-04) Exp. During 03-04 (upto 01/04) <b>Type of fuel</b> <b>Date of Main Plant Order</b>	<b>1000*</b> 500 500 : 29.08.2002 : : - : US \$ 294.386 M + Rs. 113166.6 lakhs. (Exchange rate 1US\$ = Rs.47.50) =Rs. 252999.95 Lakhs : Nil. : N.A : Rs. 19413 Lakhs : <b>Coal</b> : <b>15.12.2003 on M/s BHEL</b>	02/07 05/07 12/06 03/07 03/07 06/07 03/07 06/07	a) NTPC has decided to install (2x500MW) units in place of (1x660 MW). b) Main plant order placed on BHEL on 17.12.2003. c) Boiler erection for unit-4 is expected to be commenced by oct'04. d) Clearance from MOE & F is awaited. e) NIT for CW System issued on 02.03.04.	MOE&F clearance			
	* Capacity is being revised from 1 x 660 MW to 2 x 500 MW. Revised TEC to be issued. ** Additional unit for 10 <sup>th</sup> Plan *** Details of 1x 660 MW Capacity							

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<p>5. <b>Vindhyachal STPS St.III</b>    <b>1000</b> (Distt.Sidhi, Madhya Pradesh) Unit-9 Unit-10 *</p> <p>Date of TEC : 27.08.2002 Investment Approval : 02/2003 Sanctioning Authority : - Est. approved cost : US \$ 465.500 M + Rs. 191387.1 lakhs. (Exchange rate 1US\$ = Rs.47.50) =Rs. 412499.6 lakhs</p> <p>Exp. Upto 03/03 : Rs. 40 lakhs Budget Estimate (03-04) : Rs 25000 lakhs. Exp. During 03-04 (upto 01/04) : Rs. 32788 lakhs. <b>Type of fuel : Coal</b> <b>Date of Main Plant Order : 20.03.2003 on BHEL</b></p>	<table border="0"> <tr> <td style="padding-right: 10px;">Unit-9</td> <td style="padding-right: 10px;">500</td> <td style="padding-right: 10px;">02/07</td> <td style="padding-right: 10px;">05/07</td> <td style="padding-right: 10px;">10/06</td> <td style="padding-right: 10px;">01/07</td> </tr> <tr> <td>Unit-10 *</td> <td>500</td> <td>08/07</td> <td>11/07</td> <td>03/07</td> <td>06/07</td> </tr> </table>	Unit-9	500	02/07	05/07	10/06	01/07	Unit-10 *	500	08/07	11/07	03/07	06/07	<p>a) Order for main plant &amp; equipment was placed on M/S BHEL on 20.03.03.</p> <p>b) Orders for power cycle piping, Gen. Transformer, C&amp;I equipment, Bus duct, HT switchgear, L. P. piping, power control cables placed in March 2003 and for Ash handling plant in Dec'03 on M/s DCIPS. Orders for CW system on M/sDCIPS &amp; Cooling tower on M/s Gammon were placed in Jan'04&amp;Feb'04 respectively.</p> <p>c) Order for Boiler area civil works has been placed on M/s HSCL on 16.06.03 &amp; TG area civil works has been placed on M/s ERA on 30.06.03. Order for steel structures &amp; Chimney have been placed in 06/03 &amp; 11/03 respectively.</p> <p>d) FSA is under finalisation.</p> <p>e) NIT for Coal handling plant has been issued in June 2003.</p> <p><b>Unit-9</b> Boiler area Piling work commenced in Sept'03 and completed in 12/03. Boiler column foundation work commenced in Nov'03 and completed in 01/04. Boiler erection commenced in jan'04 and about 393MT, out of total tonnage of 24000MT, has been erected till 02/04.</p> <p><b>Unit-10</b> Boiler piling work commenced in 12/03 . Out of total 279nos, about 229nos have been completed till 02/04.</p> <p><b>Unit-9&amp;10</b> TG area piling work commenced in Aug'03.Out of total 595 nos, all piles have been completed till 02/04. Out of total 27100 CUM, 3013CUM was completed till 02/04.Main column foundation work commenced in 10/03. Out of total 76 nos, 36 nos completed till 01/04.TG raft has been cast for unit-9. St.steel fabrication work commenced in Sept '03 and about 493 MT has been fabricated, out of 26000MT, till 02/04. St.Steel erection work commenced in12/03 and about 220MT, out of 26000MT, has been erected till 02/04. Stack excavation work completed in Feb'04.</p>
Unit-9	500	02/07	05/07	10/06	01/07									
Unit-10 *	500	08/07	11/07	03/07	06/07									

\* **Unit-10 is an additional unit included in 10<sup>th</sup> Plan**

<p>6. <b>Ramagundem TPP St-III</b>    <b>500</b> (Karimnagar, AP) Unit-7</p> <p>Date of TEC : 29.4.99 Investment Approval : Accorded on 22.8.2001 Sanctioning Authority : NTPC Board Est. approved cost : Rs. 181846 lakhs Exp. Upto 03/03 : Rs. 55450 lakhs Budget Estimate (RE 03-04) : Rs. 50585 lakhs Exp. During 03-04 (upto 2/04) : Rs. 43504 lakhs <b>Type of fuel : Coal</b> <b>Date of Main Plant Order : 22.8.01</b></p>	<table border="0"> <tr> <td style="padding-right: 10px;">Unit-7</td> <td style="padding-right: 10px;">500</td> <td style="padding-right: 10px;">08/05</td> <td style="padding-right: 10px;">11/05</td> <td style="padding-right: 10px;">12/04</td> <td style="padding-right: 10px;">03/05</td> </tr> </table>	Unit-7	500	08/05	11/05	12/04	03/05	<p>a) Order for main plant turnkey package has been placed to BHEL on 22.08.01.</p> <p>b) RCC work of cooling tower started in 4/02 &amp; is in progress.</p> <p>c) Civil works for CW system commenced in 5/02. Duct erection is in progress.</p> <p>d) Civil works in ash slurry pump house, pipe pedestals &amp; ash water pump house under progress.</p> <p>e) Boiler erection started in 5/02 and is in progress.</p> <p>f) ESP erection started 8/02 and is in progress.</p> <p>g) Boiler drum was lifted on 10.11.02.</p> <p>h) Boiler hydraulic test conducted in 07/03.</p> <p>i) TG Pedestal completed in Dec. 02.</p> <p>j) Condenser erection commenced in 03/2003.</p> <p>k) TG erection commenced in 06/03 and is in progress.</p> <p>l) Erection works of CHP are in progress.</p> <p>m) Boxing up of TG set completed in Feb.04.</p>
Unit-7	500	08/05	11/05	12/04	03/05			

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7.	<b>Talcher STPP St.II</b> (Distt.Angul, Orissa)	<b>2000</b>						a) Investment approval was accorded by NTPC Board in 01/99. b) TG & Aux. And SG & Aux. Packages were awarded to BHEL on 4.11.99.
	Unit – 3	500	11/03	02/04	01/03(A)	08/03(A)		
	Unit – 4	500	08/04	11/04	10/03(A)	03/04(A)		
	Unit – 5	500	05/05	08/05	05/04*	08/04		<b>Unit-3</b> <b>Unit synchronised on 4.1.2003 (7.19 Hrs Unit declared on commercial operation w.e.f. 1.8.2003.</b>
	Unit – 6	500	02/06	05/06	12/04	04/05		<b>Unit-4</b> <b>Unit synchronized on 25.10.2003 at 17.02 Hrs. and it achieved load of 82 MW. Coal firing was commenced on 19.11.03. Full load operation was achieved on 14.01.04. Trial run completed on 19.2.04 and commercial operation declared w.e.f. 01.03.04.</b>
	Date of TEC		: 23.10.97					<b>Unit-5</b> a) Boiler erection was commenced in 08/01 and out of 25500 MT of boiler material 22993 MT has been erected till 02/04. Boiler drum was lifted in 01/02 and hydraulic test was conducted in 02/03. Boiler light up and Alkali boil out were done on 18.01.04 and 25.01.04 respectively. Acid cleaning completed on 20.2.04. Steam blowing commenced on 4.3.04.
	Investment Approval		: 1/99					b) T.G was boxed up on 30.11.03. TG oil flushing commenced in Feb. 04 (19.2.04).
	Sanctioning Authority		: NTPC Board					
	Est. approved cost (TEC)		: Rs. 653261 lakhs					
	Approved cost (Based on 01/99)		: Rs. 664883 lakhs					
	Latest estimated cost (Based on A.P. 04-05)		: Rs. 671722 lakhs					
	Completed cost (TEC)		: Rs. 768190 lakhs					
	Exp. upto 03/03		: Rs 337876 lakhs					
	Budget Estimate (03-04)		: Rs. 88125 lakhs.					
	Exp. During 03- 04 (upto 02/04)		: Rs 55735 lakhs					
	<b>Type of Fuel</b>		<b>: Coal</b>					
	<b>Date of Main Plant Order</b>		<b>: 4.11.99</b>					

**\*Efforts are being put in by NTPC to synchronise this unit by 05/04**

8.	<b>Kahalgaon STPS St.II Phase-I</b> (Distt.Bhagalpur, Bihar)	<b>1000</b>						a) TEC accorded by CEA on 13.6.03 for revised capacity of 2x500 MW under St.II Ph.-I. Kahalgaon STPP St.-II was earlier accorded TEC on 23.11.2001 for capacity of 2x660 MW. Investment approval accorded by NTPC Board on 2.7.2003.
	Unit-5	500	11/06		11/06			b) MOP conveyed approval for ICB route for major packages of Phase-I. Order for boilers was placed on 18.7.03 and that for TGs on 7.8.03 on BHEL.
	<b>Unit-6 *</b>	500	03/07		03/07			c) Civil works contracts for SG foundation awarded in 7/03. Civil works for SG foundation (piling) commenced in 11/03.
	Date of TEC		: 13.06.2003					d) Civil works contract for TG foundation awarded in 12/03. Piling work has been commenced in 12/03 and is in progress.
	Investment Approval		: 2.7.2003					
	Sanctioning Authority		: NTPC Board					
	Est Present day cost. (TEC)		: US \$ 373.548 M + Rs. 211857.7 lakhs (Exchange rate 1 US\$=Rs.48.50) = Rs.393028.5 lakhs					
	Org. approved cost by NTPC Board		: Rs. 400227 Lakhs					
	Exp. upto 03/03		: Rs. 228 Lakhs					
	Budget Estimate (03-04)		: Rs. 25100 lakhs.					
	Exp. During 03-04 (upto 02/04)		: Rs. 21615 Lakhs					
	<b>Type of Fuel</b>		<b>: Coal</b>					
	<b>Date of Main Plant Order</b>		: SG: 18.7.03 } on BHEL TG: 07.08.03 }					
	<b>* Additional Unit included in 10<sup>th</sup> plan programme.</b>							

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9.	<b>Kahalgaon STPS St.-II Ph.II</b> (Distt.Bhagalpur, Bihar) <b>U-7 *</b>	<b>500</b>						a) LOI for main plant & equipment placed on BHEL on 15.12.2003. b) MOEF clearance is yet to be accorded.
		500	02/07		02/07			
	Est. cost	:	-					
	Exp. During 03-04 (upto 02/04)	:	Rs. 9786 Lakhs					
	<b>Type of fuel</b>	:	<b>Coal</b>					
	<b>Date of Main Plant Order</b>	:	<b>15.12.2003 on BHEL</b>					

\* Additional Unit included in 10<sup>th</sup> plan programme.

### III. PROJECTS WHERE CONSTRUCTION IS YET TO START

1.	<b>Barh STPS</b> (Distt.Patna, Bihar)	<b>660</b>						a) Investment approval is yet to be accorded. Investment approval. b) An approx. 1300 acre of land is under legal possession. Approximately 727 acres of land has been physically acquired. Construction of site office is under progress.
	Unit-1	660	60	} Months from Investment Approval for COD.				
	<b>Unit-2 *</b>	660	70					
	<b>Unit-3 *</b>	660	80					
	Date of TEC	:	28.9.2001					c) Coal linkage is available. However FSA is under negotiations with CCL/CIL.
	Investment Approval	:	Not yet accorded					d) Bid opening for main plant & equipment-scheduled in Jan./Feb.2004 has been postponed to 11.05.04.
	Est. approved cost	:	US \$ 1070.387 Mn + Rs.411563.2 lakhs (Exchange rate 1 US\$ = Rs.46.50) = Rs. 909293 lakhs					e) <b>Unit-1, which was included in 10th Plan programme, is slipping beyond from 10<sup>th</sup> Plan.</b>
	Exp. upto 03/03	:	Rs.4604 lakhs					
	Budget Estimate (03-04)	:	Rs. 42795 lakhs.					
	Exp. During 03-04 (upto 02/04)	:	Rs. 4209 lakhs					
	<b>Type of Fuel</b>	:	<b>Coal</b>					
	<b>Date of Main Plant Order</b>	:	-					

\* Unit-2 & 3 not included in 10<sup>th</sup> Plan Programme