## **Equity Research**

September 15, 2009 BSE Sensex: 16214

### **Utilities**

**Target price Rs239** 

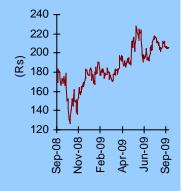
Target price revision
Rs239 from Rs256

#### **Shareholding pattern**

	Dec '08	Mar '09	Jun '09
Promoters	89.5	89.5	89.5
Institutional			
investors	7.1	6.9	7.2
MFs and UTI	0.6	0.5	1.2
Insurance Cos.	2.4	2.1	0.0
FIIs	4.1	4.3	3.0
Others	3.4	3.6	3.3

Source: NSE

#### Price chart



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### **INDIA**



**NTPC** 

BUY Maintained Rs205

Due for catch-up

Reason for report: Management meet

We maintain BUY on NTPC as we believe the stock should catch up given: i) capacities that were delayed through FY08-10 will be completed in FY11-14 with addition of 15GW and ii) likely upside as the stock has underperformed the Sensex 23.8% post election results in May '09. We recently met the management and returned with a mixed view on the company considering that: i) clearance of bulk order for supercritical equipment improves execution visibility and ii) further delay is possible in development of coal mines owing to land acquisition issues. The company is more focussed on the regulated model versus merchant power as the regulated window is available till FY11. We prefer NTPC's valuations over that of other large power PSUs such as Power Grid Corporation of India (PGCIL) and NHPC. Maintain BUY.

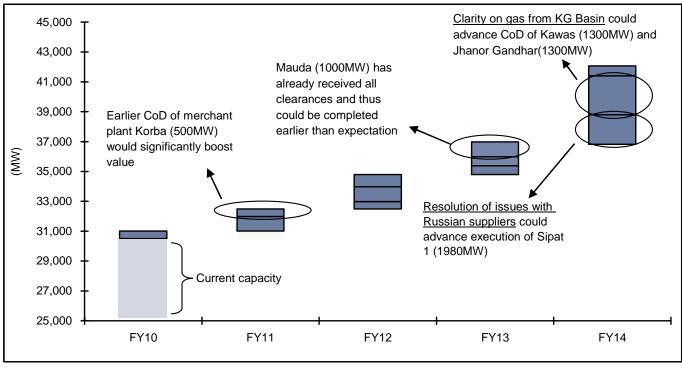
- ▶ Execution to catch up through FY11-14. We believe capacity spill-over through FY08-10 and the rush to catch up with Five Year Plan XI (FYP XI) target would lead to capacity addition of ~15GW during FY11-14 at ~10.5% CAGR. Also, issues with the Russian supplier would get resolved in the next 12-18 months, leading to Sipat-2 commissioning by FY14. Clarity over gas supplies from Reliance Industries would address gas capacity expansion of 2.6GW in Kawas and Gandhar in FY14. Further, bulk equipment ordering would increase pace of execution through FY14-15 and provide visibility for 5940MW of projects that are not a part of valuations.
- ▶ Focus on regulated model. Post the expiry of Competitive Bidding Guidelines '06, NTPC can not sign agreement on non-competitive basis with state electricity boards for new projects beyond FY11 unless the five-year window (between '06 and '11) is extended by the Government and regulator. Further, NTPC is not too excited about merchant capacity given the inherent risk in the model. NTPC has planned 2.2GW merchant capacity including 500MW Korba expansion which may start by FY11E.
- ▶ Pakhri-Barwadih coal mines likely to get delayed. As per the management, NTPC is in the final stages of acquiring land for developing 1,600mnte reserves in Pakhri-Barwadih coal mines. Awarding of the mine development contract could take a few more months. Thus, coal will likely be produced only two years from now (end'11).
- ▶ We prefer NTPC over other large power PSUs; maintain BUY. NTPC is more attractively valued compared with other PSU power companies such as PGCIL and NHPC, and has an upside of 17% at the current value. However, we trim target price to Rs239 from 256 to reflect the adjustment in timelines of coal mines and few projects such as Sipat & Barh.

Market Cap	Rs1,690bn/US\$34.6bn
Reuters/Bloomberg	NTPC.BO/NATP IN
Shares Outstanding (m	nn) 8,246
52-week Range (Rs)	233/113
Free Float (%)	10.5
FII (%)	3.0
Daily Volume (US\$/'00	0) 33,460
Absolute Return 3m (%	(7.3)
Absolute Return 12m (	%) 20.4
Sensex Return 3m (%)	9.0
Sensex Return 12m (%	5) 19.8

Year to Mar	2008	2009	2010E	2011E
Revenue (Rs mn)	442,967	497,141	535,294	586,696
Rec. Net Income (Rs mn)	80,925	87,241	91,597	100,357
EPS (Rs)	9.9	10.6	11.0	12.1
% Chg YoY	7.6	6.2	4.5	9.3
P/E (x)	20.6	19.4	18.6	17.0
CEPS (Rs)	13.0	13.9	14.6	16.1
EV/E (x)	16.7	12.4	11.9	10.7
Dividend Yield (%)	2.1	2.3	2.3	2.3
RoCE (%)	11.5	10.9	10.5	10.6
RoE (%)	14.9	14.5	13.9	14.0

# Execution to catch-up during FY11-14

Chart 1: Positive surprise could come from ~6GW of projects



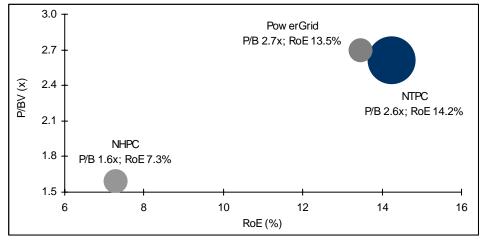
Source: Company data, I-Sec Research

Table 1: Capacity addition likely to peak in FY11-14

		Greenfield	FY10E	FY11E	FY12E	FY13E	FY14E
Kahalgaon	Coal		500				<u> </u>
Dadri	Coal			980			
Korba	Coal			500			
Farakka	Coal				500		
Simhadri	Coal				1,000		
Kol Dam	Hydro	Υ			800		
Loharinagpala	Hydro	Υ				600	
Tapovan Vishnugad	Hydro	Υ				600	
Mauda	Coal	Υ				1,000	
Sipat -1	Coal						1,980
Kawas&Jhanor	Gas						2,600
Barh	Coal	Υ					660
JVs/sub			0	1,250	500	1,360	500
Total addition			500	2,730	2,800	3,560	5,740

Source: Company data, I-Sec Research

Chart 2: We prefer NTPC over other large power PSUs



Note: Bubble size reflects market capitalization, RoE and P/BV are average of FY10-11 Source: Company data, Bloomberg, I-Sec Research

Table 2: Bulk equipment ordering could improve visibility for four NTPC projects

		No. of	Capacity	
Fuel	State	Units	(MW)	Comment
Coal	Bihar	3	1,980	Greenfield project with Bihar Govt, likely to come up in XII FYP
Coal	UP	2	1,320	
Coal	UP	2	1,320	JV with UP Government, likely to come in XII FYP
Coal	Maharashtra	2	1,320	
Coal		2	1,320	Projects being executed by Damodar Valley Corporation
	Coal Coal Coal	Coal Bihar Coal UP Coal UP Coal Maharashtra	Fuel         State         Units           Coal         Bihar         3           Coal         UP         2           Coal         UP         2           Coal         Maharashtra         2	Fuel         State         Units         (MW)           Coal         Bihar         3         1,980           Coal         UP         2         1,320           Coal         UP         2         1,320           Coal         Maharashtra         2         1,320

Source: I-Sec Research

Table 3: Valuing NTPC at ~Rs239/share

Valuation	Methodology	Assumption	Value (Rs)	Comments
Standalone	FCFF	Cost of Equity – 11% Terminal growth – 3%	234	~45GW of generation assets. Terminal value post FY17
JVs & subsidiaries	P/BV	1.5x		~7GW generation assets mostly under construction, other JVs in equipment & subsidiaries in trading & distribution

Source: I-Sec Research

## Financial summary (Consolidated)

### **Table 4: Profit and Loss statement**

(Rs mn, year ending March 31)

	FY08	FY09	FY10E	FY11E
Operating Income (Sales)	386,759	442,967	497,141	535,294
of which Domestic	386,759	442,967	497,141	535,294
Operating Expenses	270,612	335,749	351,453	381,182
EBITDA	116,147	107,218	145,688	154,112
% margins	30.9	30.8	25.2	30.6
Depreciation & Amortisation	22,060	24,949	27,263	29,334
Gross Interest	18,581	21,435	26,563	27,427
Other Income	29,547	33,334	29,306	29,868
Recurring PBT	105,053	94,168	121,168	127,218
Add: Extraordinaries	(1,540)	(1,095)	-	-
Less: Taxes	28,811	12,148	33,927	35,621
Less: Minority Interest	-	-	138	605
Net Income (Reported)	74,702	80,925	87,104	90,992
Recurring Net Income	76,242	82,020	87,104	90,992

Source: Company data, I-Sec Research

**Table 5: Balance sheet** 

(Rs mn, year ending March 31)

(No min, your onding waren on)	FY08	FY09	FY10E	FY11E
Assets				
Total Current Assets	263,158	324,633	334,750	366,160
of which cash & cash eqv.	153,605	172,505	196,458	217,037
Total Current Liabilities &				
Provisions	86,225	120,334	116,747	124,513
Net Current Assets	176,933	204,299	218,003	241,647
Investments	134,470	116,960	100,192	83,667
Other Marketable	134,470	116,960	100, 192	83,667
Net Fixed Assets	537,900	658,948	739,129	813,068
Capital Work-in-Progress	206,991	247,647	320,941	339,166
Goodwill	6	6	6	6
Total Assets	849,309	980,213 1	1,057,330 1	,138,388
Liabilities				
Borrowings	303,147	388,226	414,110	438,888
Deferred Tax Liability	16,290	16,249	16,249	16,249
Equity Share Capital	82,455	82,455	82,455	82,455
Face Value per share (Rs)	10	10	10	10
Reserves & Surplus*	446,174	491,621	539,067	590,403
Net Worth	528,629	574,076	621,522	672,858
Total Liabilities	849,308	980,2131	1,057,3301	,138,388

Source: Company data, I-Sec Research

**Table 6: Cashflow statement** 

(Rs mn, year ending March 31)

	FY08	FY09	FY10E	FY11E
Operating Cash flow	68,756	73,636	85,199	91,064
Working Capital Changes	(7,442)	(7,610)	8,548	(3,065)
Capital Commitments	(98,318)	(145,997)	(107,444)	(103,273)
Free Cash Flow	(37,004)	(79,971)	(13,697)	(15,274)
Cash flow from Investing				
Activities	44,928	49,988	47,775	46,393
Issue of Share Capital	-	-	-	-
Buyback of shares	-	-	-	-
Inc (Dec) in Borrowings	32,952	85,079	25,884	24,778
Dividend paid	(33,868)	(34,700)	(39,657)	(39,657)
Extraordinary Items	(1,540)	(1,095)	-	-
Chg. in Cash & Bank				
balance	16,623	18,901	23,953	20,579
	,			

Source: Company data, I-Sec Research

**Table 7: Key ratios** 

(Year ending March 31)

( real chang materior)				
· · · · · · · · · · · · · · · · · · ·	FY08	FY09	FY10E	FY11E
Per Share Data (Rs)				
EPS(Basic Recurring)	9.2	9.9	10.56	11.0
Diluted Recurring EPS	9.2	9.9	10.6	11.0
Recurring Cash EPS	11.9	13.0	13.9	14.6
Dividend per share (DPS)	4.1	4.2	4.8	4.8
Book Value per share (BV)	64.1	69.6	75.4	81.6
Growth Ratios (%)				
Operating Income	14.2	14.5	12.2	7.7
EBITDA	14.3	(7.7)	35.9	5.8
Recurring Net Income	10.7	7.6	6.2	4.5
Diluted Recurring EPS	10.7	7.6	6.2	4.5
Diluted Recurring CEPS	9.4	8.8	6.9	5.2
Valuation Ratios (x)				
P/E	22.2	20.6	19.4	18.6
P/CEPS	17.2	15.8	14.8	14.0
P/BV	3.2	2.9	2.7	2.5
EV / EBITDA	14.7	16.7	12.4	11.9
EV / Operating Income	4.4	4.0	3.6	3.4
EV / Operating FCF	(46.1)	(22.4)	(132.0)	(119.7)
Operating Ratio				
Employee cost / Revenue	4.7	4.5	4.6	4.5
Operating expenses / Revenue	5.1	5.7	5.5	5.7
Other Income / PBT (%)	28.1	35.4	24.2	23.5
Effective Tax Rate (%)	27.3	12.7	27.9	27.9
NWC / Total Assets (%)	3.3	4.2	2.9	2.9
Inventory Turnover (days)	24.5	24.4	24.0	24.0
Receivables (days)	20.0	26.9	27.4	27.3
Payables (days)	60.6	61.3	66.0	62.4
D/E Ratio (x)	0.5	0.6	0.6	0.6
Return/Profitability Ratio (%)				
Recurring Net Income Margins	18.3	17.2	16.5	16.1
RoCE	11.6	11.5	10.9	10.5
RoNW	15.1	14.9	14.5	13.9
Dividend Payout Ratio	44.4	42.3	45.5	43.6
Dividend Yield	2.0	2.1	2.3	2.3
EBITDA Margins	30.0	24.2	29.3	28.8
Source: Company data, I-Sec Res	search			

Source: Company data, I-Sec Research

## Financial summary (Standalone)

**Table 8: Profit and Loss statement** 

(Rs mn, year ending March 31)

	FY08	FY09	FY10E	FY11E
Operating Income (Sales)	370,910	419,752	470,445	504,593
of which Domestic	370,910	419,752	470,445	504,593
Operating Expenses	256,658	314,006	326,679	352,934
EBITDA	114,252	105,746	143,766	151,659
% margins	30.8	25.2	30.6	30.1
Depreciation & Amortisation	21,385	23,645	25,862	27,793
Gross Interest	17,981	20,229	25,241	26,245
Other Income	29,203	32,806	30,692	30,881
Recurring PBT	104,089	94,678	123,355	128,502
Add: Extraordinaries	(1,540)	(1,083)	-	-
Less: Taxes	28,401	11,582	32,147	34,020
Net Income (Reported)	74,148	82,013	91,208	94,482
Recurring Net Income	75,688	83,096	91,208	94,482

Source: Company data, I-Sec Research

**Table 9: Balance sheet** 

(Rs mn, year ending March 31)

255,488 149,332	309,253		
,	309.253		
140 332		319,661	344,715
170,002	162,716	186,960	201,184
79,299	106,886	103,299	111,065
176,189	202,367	216,362	233,650
152,672	139,836	129,915	125,211
,	•	•	,
18,904	22.997	29,844	41,665
133,768	116,839	100,071	83,546
485,720	593,426	671,041	742,315
184,389	212,211	285,505	303,730
814,581	935,628 1	,017,3181	,101,176
271,906	345,678	375,817	404,850
16.289	16.249	16.249	16,249
82,455	82,455	82,455	82,455
10	10	10	10
443,931	491,246	542,797	597,622
526,386	573,701	625,252	680,077
814,581	935,628 1	, <b>017</b> ,3181	,101,176
	79,299 176,189 152,672 18,904 133,768 485,720 184,389 814,581 271,906 16,289 82,455 10 443,931 526,386	79,299 106,886 176,189 202,367 152,672 139,836 18,904 22,997 133,768 116,839 485,720 593,426 184,389 212,211 814,581 935,628 1 271,906 345,678 16,289 16,249 82,455 82,455 10 443,931 491,246 526,386 573,701 814,581 935,628 1	79,299 106,886 103,299 176,189 202,367 216,362 152,672 139,836 129,915  18,904 22,997 29,844 133,768 116,839 100,071 485,720 593,426 671,041 184,389 212,211 285,505 814,581 935,628 1,017,318 1  271,906 345,678 375,817 16,289 16,249 16,249 82,455 82,455 82,455 10 10 10 443,931 491,246 542,797 526,386 573,701 625,252 814,581 935,628 1,017,318 1

Source: Company data, I-Sec Research

**Table 12: Quarterly trend** 

	Jun-08	Dec-08	Mar-09	Jun-09
Net sales	96,614	112,771	114,458	120,027
% growth (YoY)	20.5	20.9	6.5	25.8
EBITDA	25476	32086	22199	31757
Margin (%)	26.4	28.5	19.4	26.5
Other income	7,448	8,513	10,357	7,763
Add: Extraordinaries	=		-	-
Net profit	15,786	20,621	21,134	21,936

Source: Company data, I-Sec Research

**Table 10: Cashflow statement** 

(Rs mn, year ending March 31)

, , , , , , , , , , , , , , , , , , , ,	FY08	FY09	FY10E	FY11E
Operating Cash flow	67,870	73,935	86,377	91,394
Working Capital Changes	(6,600)	(12,617)	8,548	(3,065)
Capital Commitments	(91,450)	(135,444)	(110, 325)	(110,888)
Free Cash Flow	(30,180)	(74,125)	(15,399)	(22,559)
Cash flow from Investing				
Activities	44,853	49,558	49,161	47,406
Issue of Share Capital	-	-	-	-
Buyback of shares	-	-	-	-
Inc (Dec) in Borrowings	27,062	73,772	30,139	29,033
Dividend paid	(33,764)	(34,700)	(39,657)	(39,657)
Extraordinary Items	(1,540)	(1,083)	-	-
Chg. in Cash & Bank				
balance	16,186	13,384	24,244	14,223
0	- D	-		

Source: Company data, I-Sec Research

### **Table 11: Key ratios**

(Year ending March 31)

(Year ending March 31)				
-	FY08	FY09	FY10E	FY11E
Per Share Data (Rs)				
EPS(Basic Recurring)	9.2	10.1	11.1	11.5
Diluted Recurring EPS	9.2	10.1	11.1	11.5
Recurring Cash EPS	11.8	12.9	14.2	14.8
Dividend per share (DPS)	4.1	4.2	4.8	4.8
Book Value per share (BV)	63.8	69.6	75.8	82.5
Growth Ratios (%)				
Operating Income	13.7	13.2	12.1	7.3
EBITDA	13.3	(7.4)	36.0	5.5
Recurring Net Income	10.4	` 9.Ŕ	9.8	3.6
Diluted Recurring EPS	10.4	9.8	9.8	3.6
Diluted Recurring CEPS	8.7	10.0	9.7	4.4
Valuation Ratios (x)				
P/E	22.3	20.3	18.5	17.9
P/CEPS	17.4	15.8	14.4	13.8
P/BV	3.2	2.9	2.7	2.5
EV / EBITDA	14.7	16.6	12.4	11.9
EV / Operating Income	4.5	4.2	3.8	3.6
EV / Operating FCF	(80.1)	(25.1)	(208.0)	(168.6)
Operating Ratio				
Employee cost / Revenue	4.7	4.4	4.5	4.4
Operating expenses / Revenue	5.1	5.9	5.7	5.9
Other Income / PBT (%)	28.1	34.6	24.9	24.0
Effective Tax Rate (%)	27.2	12.0	25.9	26.3
NWC / Total Assets (%)	3.3	4.2	2.9	2.9
Inventory Turnover (days)	25.5	25.7	25.3	25.4
Receivables (days)	20.7	28.6	28.9	29.0
Payables (days)	63.9	65.5	71.0	67.4
D/É Ratio (x)	0.55	0.63	0.63	0.62
Return/Profitability Ratio (%)				
Recurring Net Income Margins	18.9	18.4	18.2	17.6
RoCE	11.4	11.5	11.3	10.7
RoNW	15.0	15.1	15.2	14.5
Dividend Payout Ratio	44.6	41.8	43.5	42.0
Dividend Yield	2.0	2.1	2.3	2.3
EBITDA Margins	30.8	25.2	30.6	30.1

NM – Not meaningful

Source: Company data, I-Sec Research

I-Sec investment ratings (all ratings relative to Sensex over next 12 months)

BUY: +10% outperformance; HOLD: -10% to +10% relative performance; SELL: +10% underperformance

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