Equity | India | Electric Utilities

Capex delays & low tax base hit 3Q; EPS Cut

3Q Rec PAT +3%YoY, Capex cut 29%; EPS Cut 11%; Maintain UPF

We cut our FY11-12E EPS by 10-11% on continued delay in NTPC's capex led by its Russian vendors and new super-critical JVs, which shall lower its mid-term growth. NTPC had weak 3Q with Rec PAT +3%YoY led by lower base power RoE (15.5%) on grossing-up of tax at MAT rate v/s peak rate (19.3%) in FY10, delay in capex, 370bps fall in yield on its Rs198bn treasury and higher O&M costs. Maintain UPF despite 24% stock underperformance in last 1 year on - 1) delay in capex led by its Russian vendors (31% of capex) & award of bulk tenders impacting PAT/RoE growth, 2) risk of tax gross-up @MAT in FY12E and 3) expensive valuation - P/BV at 2.1x FY12E, highest among the Asian regulated Uts. Likely strong 4Q'11 on tax gross-up at peak rate may provide a good exit point. Maintain PO on roll-forward.

3Q hit by lower RoE, capex delays, plant back-downs & yields

NTPC cut its FY11E capex by 29%. This is on the top of its FY10 parent capex miss by 43% by value and 70% by MW to start 990MW (3300MW) on its stand-off with its Russian suppliers at two of its largest projects namely, Sipat I and Barh I totaling to 3.9GW (31% of XI plan add by parent). This delay has begun to impact its secular growth from 1QFY11. Its 3Q generation at 54.7bu was flat despite start of new 1.48GW (5% add) on 10% fall in gas generation led by lower PLF 66.3% (73.6%). Rec PAT Rs22.4bn +3%YoY on grossing-up of tax at MAT v/s at peak rate in FY10, 370bps lower yield on its Rs198bn cash chest driving 20%YoY fall in inv. income. On call mgt. said that poor financials of its customers are restricting them from drawing power and that impacting NTPC's efficiencies/PAT.

Secular growth slowed by delay in capex, Underperform

Core arguments – 1) delay in capex and 2) increased competition as India moves to competitive bidding regime and 3) expensive valuations are negative catalysts, while a pick-up in power / coal capex and higher than 15.5% RoE on gross-up of tax @ peak rate would be a positive catalysts.

Estimates (Mar)

(Rs)	2009A	2010A	2011E	2012E	2013E
Net Income (Adjusted - mn)	80,707	92,493	93,013	100,528	114,330
EPS	9.79	11.22	11.28	12.19	13.87
EPS Change (YoY)	7.4%	14.6%	0.6%	8.1%	13.7%
Dividend / Share	3.60	3.80	4.06	4.39	4.99
Free Cash Flow / Share	(4.67)	(0.519)	(5.98)	(7.77)	(12.98)

Valuation (Mar)

* For full definitions of *iQmethod* sm measures, see page 9.

	2009A	2010A	2011E	2012E	2013E
P/E	18.93x	16.51x	16.42x	15.19x	13.36x
Dividend Yield	1.94%	2.05%	2.19%	2.37%	2.69%
EV / EBITDA*	18.42x	15.06x	13.82x	11.14x	8.71x
Free Cash Flow Yield*	-2.52%	-0.280%	-3.23%	-4.19%	-7.01%
Price/Book Value	2.7	2.4	2.3	2.1	1.9

>> Employed by a non-US affiliate of MLPF&S and is not registered/qualified as a research analyst under the FINRA rules.

Refer to "Other Important Disclosures" for information on certain BofA Merrill Lynch entities that take responsibility for this report in particular jurisdictions.

BofA Merrill Lynch does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Refer to important disclosures on page 10 to 12. Analyst Certification on Page 8. Price Objective Basis/Risk on page 8. Link to Definitions on page 8.11015670

Bank of America Merrill Lynch

Bharat Parekh >> Research Analyst DSP Merrill Lynch (India) bharat.parekh@baml.com +91 22 6632 8656

Stock Data

Price	Rs185.25
Price Objective	Rs200.00
Date Established	25-May-2009
Investment Opinion	C-3-7
Volatility Risk	HIGH
52-Week Range	Rs175.20-Rs222.30
Mrkt Val / Shares Out (mn)	US\$33,376 / 8,245.5
Average Daily Volume	2,255,059
BofAML Ticker / Exchange	NTHPF / BSE
Bloomberg / Reuters	NATP IN / NTPC.BO
ROE (2011E)	14.3%
Net Dbt to Eqty (Mar-2010A)	37.4%
Est. 5-Yr EPS / DPS Growth	14.0% / 14.0%
Free Float	15.5%

Key Changes

(Rs)	Previous	Current
2011E Rev (m)	558,414.0	537,759.8
2012E Rev (m)	678,944.1	649,102.4
2013E Rev (m)	NA	793,461.0
2011E EPS	12.74	11.28
2012E EPS	13.59	12.19
2013E EPS	NA	13.87

*iQprofile*SM NTPC Ltd.

Voy Income Statement Data (Mar)	2009A	2010A	2011E	2012E	20131
Key Income Statement Data (Mar) (Rs Millions)	2007A	2010A	2011L	2012L	20131
Sales	406,332	460,726	537,760	649,102	793,46
Gross Profit	104,651	127,258	139,746	172,854	219,50
Sell General & Admin Expense	(7,136)	(8,019)	(9,823)	(11,562)	(13,238
Operating Profit	73,871	92,738	105,469	130,518	166,59
Net Interest & Other Income	20,818	19,236	15,218	2,729	(15,229
Associates	NA	NA	NA	NA	(10,22) N
Pretax Income	94,689	111,975	120,688	133,247	151,36
Tax (expense) / Benefit	(13,982)	(19,482)	(27,675)	(32,719)	(37,036
Net Income (Adjusted)	80,707	92,493	93,013	100,528	114,33
Average Fully Diluted Shares Outstanding	8,246	8,245	8,245	8,245	8,24
Key Cash Flow Statement Data					
Net Income	80,707	92,493	93,013	100,528	114,33
Depreciation & Amortization	23,645	26,501	24,453	30,774	39,67
Change in Working Capital	(12,794)	(16,331)	2,903	(7,081)	(11,195
Deferred Taxation Charge	NA	NA	NA	NA	N.
Other Adjustments, Net	1,306	(5,211)	0	0	
Cash Flow from Operations	92,863	97,452	120,369	124,221	142,80
Capital Expenditure	(131,351)	(101,731)	(169,672)	(188,261)	(249,869
(Acquisition) / Disposal of Investments	12,837	(8,236)	6,515	(1,335)	1,66
Other Cash Inflow / (Outflow)	(40)	(1,290)	(4 (0 4 5 7)	(100 50()	(0.10.04)
Cash Flow from Investing	(118,554)	(111,257)	(163,157)	(189,596)	(248,210
Shares Issue / (Repurchase)	(24.700)	(1)	(20.04()	(42.201)	
Cost of Dividends Paid	(34,700)	(36,608)	(39,046)	(42,201)	(47,995
Cash Flow from Financing	39,075 (38,488)	(4,317) (4,278)	40,058	46,752	70,25 (107,06
Free Cash Flow Net Debt	182,962	233,375	(49,303) 315,209	(64,040) 422,784	576,18
Change in Net Debt	60,388	50,413	81,834	107,575	153,39
Key Balance Sheet Data	00,300	30,413	01,034	107,373	133,37
	E02 424	//O /E/	012 075	071 2/1	1 101 55
Property, Plant & Equipment	593,426	668,656	813,875	971,361	1,181,55
Other Non-Current Assets Trade Receivables	139,835	148,071	141,556	142,891	141,23
Cash & Equivalents	35,842 162,716	66,515 144,595	69,600 141,865	77,269 123,242	94,44 88,09
Other Current Assets	110,695	97,049	111,147	136,352	162,20
Total Assets	1,042,514	1,124,885	1,278,042	1,451,116	1,667,53
Long-Term Debt	345,678	377,970	457,074	546,026	664,27
Other Non-Current Liabilities	16,249	14,959	14,959	14,959	14,95
Short-Term Debt	NA	NA	NA	NA	N
Other Current Liabilities	106,886	107,582	127,669	153,462	185,29
Total Liabilities	468,813	500,511	599,701	714,448	864,52
Total Equity	573,701	624,374	678,341	736,668	803,00
Total Equity & Liabilities	1,042,514	1,124,885	1,278,042	1,451,116	1,667,53
iQmethod ^{sм} - Bus Performance*					
Return On Capital Employed	10.3%	10.4%	9.5%	9.8%	10.49
Return On Equity	14.7%	15.4%	14.3%	14.2%	14.99
Operating Margin	18.2%	20.1%	19.6%	20.1%	21.09
EBITDA Margin	24.0%	25.9%	24.2%	24.8%	26.09
<i>iQmethod</i> sm - Quality of Earnings*					
Cash Realization Ratio	1.2x	1.1x	1.3x	1.2x	1.2
Asset Replacement Ratio	5.6x	3.8x	6.9x	6.1x	6.3
Tax Rate (Reported)	14.8%	17.4%	22.9%	24.6%	24.59
Net Debt-to-Equity Ratio	31.9%	37.4%	46.5%	57.4%	71.89
Interest Cover	6.6x	8.5x	8.4x	5.2x	4.2
Key Metrics					

^{*} For full definitions of *iQmethod* SM measures, see page 9.

Company Description

NTPC is Asia's largest IPP with a capacity of 30GW (20% of India's capacity) and generates 207bu (29% of India's generation) of power. Its has 15 coal-based plants, 7 gas-based plants and 4 JV projects. It uses two main fuels, coal and gas, and is expected to start hydro generation by FY12. It plans to start coal mining in FY10. NTPC's efficient operations makes it one of the most profitable IPPs in India, which earns excess RoE.

Investment Thesis

Negative catalysts -delay in power and coal capex, improving financial health of state genco could limit long term sourcing of power from NTPC and shift in business model towards competitive bidding, increasing risk of competition. Positive catalysts-develop 4.4bn tn of captive coal mine to secure excess RoE and scale-up capacity aided by fuel security. Drivers of NTPC's growth are rise in capex, sales in profitable spot market and efficiency linked incentives such as PAF-linked & fuel savings

Chart 1: NTPC - Likely capacity



Source: Company, BofA Merrill Lynch Global Research

Stock Data

Price to Book Value 2.25x



NTPC - 3QFY11 Results Review			
For the Period (Rsmn)	3QFY10	3QFY11	%YoY
Gross Generation (mn kWh)	54,483	54,728	0.5%
Loss %	6.6%	6.6%	0.9%
Sale (mn kWh)	50,907	51,103	0.4%
Total Operating Income	108,910	129,755	19.1%
- Rs/kWh	2.14	2.54	18.7%
Fuel Cost	(67,673)	(83,386)	23.2%
% of net sales	62.1%	64.3%	
- Rs/kWh	1.33	1.63	22.7%
Employee Cost	(4,572)	(6,885)	50.6%
% of net sales	4.2%	5.3%	
- Rs/kWh	0.09	0.13	50.0%
Others	(4,789)	(6,364)	32.9%
% of net sales	4.4%	4.9%	
- Rs/kWh	0.09	0.12	32.4%
Total Expenses	(77,034)	(96,635)	25.4%
EBITDA	31,877	33,119	3.9%
EBITDA Margin	29.3%	25.5%	
- Rs/kWh	0.63	0.65	3.5%
Depreciation	(6,614)	(5,986)	-9.5%
- Rs/kWh	0.13	0.12	-9.8%
EBIT	25,263	27,134	7.4%
EBIT Margin	23.2%	20.9%	
- Rs/kWh	0.50	0.53	7.0%
Interest	(4,241)	(4,575)	7.9%
- Rs/kWh	0.08	0.09	7.5%
Other Operating Income	5,255	4,673	-11.1%
- Rs/kWh	0.10	0.09	-11.4%
Other Income: Recurring	2,537	2,021	-20.3%
- Rs/kWh	0.05	0.04	-20.6%
PBT	28,814	29,253	1.5%
PBT Margin	26.5%	22.5%	
- Rs/kWh	0.57	0.57	1.1%
Total Tax	(7,045)	(6,824)	-3.1%
Tax rate	24%	23%	
- Rs/kWh	0.14	0.13	-3.5%
Rec PAT	21,768	22,429	3.0%
Rec PAT Margin	20.0%	17.3%	
- Rs/kWh	0.43	0.44	2.6%
Extra-ord & Excep. Income /(Exp)	1,882	1,286	-31.7%
Reported PAT	23,650	23,715	0.3%
Source: Company, BofA Merrill Lynch Global Research			

Table 1: NTPC - Segment Details:

(Rs mn)	3QFY10	3QFY11	%YoY
Segment Revenue			
Generation	108,565	129,331	19.1%
Others	345	424	22.8%
Total	108,910	129,755	19.1%
Less: Inter Segment Revenue	0	0	N.A.
Net Sales/ Income from Revenue	108,910	129,755	19.1%
Segment - PBIT			
Generation	26,173	28,065	7.2%
- PBIT Margins	24%	22%	
Others	126	206	64.0%
- PBIT Margins	36%	49%	
Total	26,298	28,271	7.5%
- PBIT Margins	24%	22%	
Interest	(1,799)	(2,826)	57.1%
Other Un-allocable Income / (Exp)	3,985	3,808	-4.4%
PBT	28,485	29,253	2.7%
Capital Employed			
Generation	355,567	423,096	19.0%
- RoCE %	29.44%	26.53%	
Others	299	207	-30.6%
- RoCE %	168.25%	397.88%	
Total	355,866	423,303	19.0%
- RoCE %	29.56%	26.71%	
Other Un-allocable Items	284,941	264,278	-7.3%
Total	640,807	687,582	7.3%
- RoCE %	18.90%	18.66%	

Source: Company, BofA Merrill Lynch Global Research

Table 2: NTPC - Operational Details

(Rs mn)	3QFY10	3QFY11	%YoY
Coal Capacity (MW) - Monitored	24,405	25,885	6.1%
Gas Capacity (MW) - Monitored	4,017	4,017	0.0%
Total Capacity (MW) - Monitored	28,422	29,902	5.2%
Gross Generation (mn kWh)	54,483	54,728	0.5%
- Generation - Coal based	47,956	48,850	1.9%
- Gas based	6,527	5,878	-9.9%
PLF % - Coal Stations	89.0	85.5	-4.0%
PLF % - Gas Stations	73.6	66.3	-9.9%

Source: Company, Minstry of Power, BofA Merrill Lynch Global Research



Source: BofA Merrill Lynch Global Research

Chart 4: NTPC - Premium / Discount vs Sensex



Source: BofA Merrill Lynch Global Research

Chart 3: NTPC - P/BV Band



Source: BofA Merrill Lynch Global Research

Chart 5: NTPC - P/BV vs ROE



Source: BofA Merrill Lynch Global Research

Table 3: NTPC - Profit and Loss Statement

FY ends on Mar31, (Rs mn)	FY09	FY10	FY11E	FY12E	FY13E
Total Operating Income	406,332	460,726	537,760	649,102	793,461
- Growth %	13.4%	13.4%	16.7%	20.7%	22.2%
Fuel	271,107	294,628	347,164	417,946	506,535
Employee Remuneration & Benefits	12,741	19,001	27,932	31,116	35,628
Repair & Maintenance	11,132	12,902	15,805	18,602	21,300
Administration, Other overheads & Provisions (Net)	7,136	8,019	9,823	11,562	13,238
Discount on sales (@1% of Electricity sales)	6,700	6,937	7,113	8,584	10,492
EBITDA	97,515	119,239	129,923	161,292	206,268
EBITDA Margin	24.0%	25.9%	24.2%	24.8%	26.0%
- Growth %	-6.0%	22.3%	9.0%	24.1%	27.9%
Depreciation & Amortization	23,645	26,501	24,453	30,774	39,673
EBIT	73,871	92,738	105,469	130,518	166,595
EBIT Margin	18.2%	20.1%	19.6%	20.1%	21.0%
- Growth %	-10.3%	25.5%	13.7%	23.7%	27.6%
Interest & Finance Cost	11,114	10,865	12,526	25,078	39,335
Other income	20,465	20,110	19,060	20,578	18,332
Interest on Bonds	11,467	9,991	8,684	7,229	5,774
PBT	94,689	111,975	120,688	133,247	151,366
PBT Margin	23.3%	24.3%	22.4%	20.5%	19.1%
- Growth %	-8.0%	18.3%	7.8%	10.4%	13.6%
Total Tax	13,982	19,482	27,675	32,719	37,036
Rec PAT	80,707	92,493	93,013	100,528	114,330
Rec PAT Margin	19.9%	20.1%	17.3%	15.5%	14.4%
- Growth %	7.4%	14.6%	0.6%	8.1%	13.7%
Other Extraordinary Adjustments	1,306	(5,211)	0	0	0
Reported PAT	82,013	87,282	93,013	100,528	114,330

Source: Company, BofA Merrill Lynch Global Research

Table 4: NTPC- Balance Sheet Statement

Table 11 11 C Dalaries Criser Statement					
FY ends on Mar31, (Rs mn)	FY09	FY10	FY11E	FY12E	FY13E
Cash and Bank Balances	162,716	144,595	141,865	123,242	88,090
Sundry Debtors	35,842	66,515	69,600	77,269	94,447
Inventories	32,434	33,477	39,833	47,880	57,813
Loans and Advances	68,469	55,131	61,509	76,639	89,930
Other Current Assets	9,792	8,440	9,806	11,833	14,463
Total Current Assets	309,253	308,158	322,612	336,864	344,744
Other Investments	24,860	30,419	42,097	61,625	78,158
Bonds	114,975	117,652	99,459	81,266	63,072
Gross Block	623,530	668,501	757,876	936,870	1,160,629
Accumulated Depreciation	(294,153)	(320,888)	(345,341)	(376,116)	(415,789)
Net Block	329,377	347,613	412,535	560,754	744,840
CWIP	212,211	267,624	345,250	351,713	374,878
Construction Stores in Progress	51,838	53,419	56,090	58,894	61,839
TOTAL ASSETS	1,042,514	1,124,885	1,278,042	1,451,116	1,667,532
Current Liabilities & Provisions	106,886	107,582	127,669	153,462	185,299
Secured Loans	89,696	90,799	198,620	313,418	454,923
Unsecured Loans	255,982	287,171	258,454	232,609	209,348
Total Loans	345,678	377,970	457,074	546,026	664,271
Deferred Tax Liability	1	2,093	2,093	2,093	2,093
Advance against depreciation	19,360	16,108	16,108	16,108	16,108
Deff. Exch Liab, net / Develop. Surch Fund	(3,112)	(3,242)	(3,242)	(3,242)	(3,242)
Total Liabilities	468,813	500,511	599,701	714,448	864,529
Share Capital	82,455	82,455	82,455	82,455	82,455
Reserves & Surplus	491,246	541,920	595,886	654,213	720,549
Net Worth	573,701	624,374	678,341	736,668	803,003
TOTAL LIABILITIES + NETWORTH	1,042,514	1,124,885	1,278,042	1,451,116	1,667,532

Source: Company, BofA Merrill Lynch Global Research

Table 5: NTPC - Cash Flow Statement

FY ends on Mar31, (Rs mn)	FY09	FY10	FY11E	FY12E	FY13E
PAT	82,013	87,282	93,013	100,528	114,330
D&A	23,645	26,501	24,453	30,774	39,673
Change in Debtors	(6,015)	(30,673)	(3,086)	(7,669)	(17,178)
Change in Inventories	(5,677)	(1,043)	(6,355)	(8,048)	(9,933)
Change in Loans and Advances	(28,115)	13,338	(6,377)	(15,131)	(13,290)
Change in Other CA	(574)	1,352	(1,365)	(2,027)	(2,631)
Change in CL & Provisions	27,587	696	20,087	25,794	31,837
Change in Working Capital	(12,794)	(16,331)	2,903	(7,081)	(11,195)
Cash Flow from Operations	92,863	97,452	120,369	124,221	142,808
Capex	(131,351)	(101,731)	(169,672)	(188,261)	(249,869)
Change in Investment	12,837	(8,236)	6,515	(1,335)	1,660
Others	(40)	(1,290)	0	0	0
Cash Flow from Investing	(118,554)	(111,257)	(163,157)	(189,596)	(248,210)
Change in Equity	0	(0)	0	0	0
Change in Reserves	3	(1)	0	0	0
Change in Debt	73,772	32,292	79,104	88,952	118,245
Dividend & Dividend Tax	(34,700)	(36,608)	(39,046)	(42,201)	(47,995)
Cash Flow from Financing	39,075	(4,317)	40,058	46,752	70,250
Inc/Dec in Cash	13,384	(18,121)	(2,730)	(18,623)	(35,152)
Opening Cash	149,332	162,716	144,595	141,865	123,242
Closing Cash	162,716	144,595	141,865	123,242	88,090

Source: Company, BofA Merrill Lynch Global Research

Table 6: NTPC - Key Ratios & Valuations

	FY09	FY10	FY11E	FY12E	FY13E
Rec PAT	80,707	92,493	93,013	100,528	114,330
No of Shares	8,246	8,245	8,245	8,245	8,245
Mkt Cap	1,527,479	1,527,471	1,527,471	1,527,471	1,527,471
Share Price	185	185	185	185	185
EPS (Rs)	9.8	11.2	11.3	12.2	13.9
EPS Growth (%)	7.4%	14.6%	0.6%	8.1%	13.7%
CEPS (Rs)	12.7	14.4	14.2	15.9	18.7
DPS (Rs)	3.6	3.8	4.1	4.4	5.0
BV of Share (Rs)	69.6	75.7	82.3	89.3	97.4
P/E (x)	18.9	16.5	16.4	15.2	13.4
P/CEPS (x)	14.6	12.8	13.0	11.6	9.9
Yield %	1.9%	2.1%	2.2%	2.4%	2.7%
P/BV (x)	2.7	2.4	2.3	2.1	1.9
EV/EBITDA (x)	13.3	11.6	11.4	9.9	8.7
Net Debt (Rs mn)	43,127	85,305	173,653	279,894	434,950
RoE (%)	14.7%	15.4%	14.3%	14.2%	14.9%
PAT/EBIT (%)	109%	100%	88%	77%	69%
EBIT/Sales (%)	18%	20%	20%	20%	21%
Sales/Assets (%)	46.4%	47.2%	49.6%	53.0%	57.1%
Assets/Networth (%)	159%	163%	166%	173%	181%
ROCE (%)	10.78%	11.56%	11.49%	12.34%	13.30%
D/E (x)	0.60	0.61	0.67	0.74	0.83
Net D/E (x)	0.32	0.37	0.46	0.57	0.72
Receivable Days	34	56	50	46	46
Inventory Days	41	39	39	39	39
Other Current Asset Days	9	7	7	7	7
CL & Provisions Days	135	124	125	125	125
EV/MW (Rs mn/ MW)	51.4	50.8	51.2	48.5	47.0

Source: Company, BofA Merrill Lynch Global Research



Price objective basis & risk NTPC Ltd (NTHPF)

Our PO of Rs200 for NTPC is based on a 5pct discount to our DCF valuation, which assumes WACC of 10.6pct on lower risk-free rate and a terminal growth rate of 1.5pct. It is led by higher capacity, utilization rates & efficiency gains on the back of increased fuel security. Risks to our price objective are - (a) Gas supply to existing/new plants, (b) Likely end to the negotiated project allocation window from FY12E. (c) Potential cut in RoE with likely improved demand-supply gap of power (d) Potential entry into unrelated businesses (boilers) and (e) Increased competition from the private sector. Upside risks a pick-up in capex and higher than 15.5% RoE on gross-up of Income tax / coal capex.

Link to Definitions

Energy

Click here for definitions of commonly used terms.

Analyst Certification

I, Bharat Parekh, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

Special Disclosures

In accordance with the SEBI (Foreign Institutional Investors) Regulations and with guidelines issued by the Securities and Exchange Board of India (SEBI), foreign investors (individuals as well as institutional) that wish to transact the common stock of Indian companies must have applied to, and have been approved by SEBI and the Reserve Bank of India (RBI). Each investor who transacts common stock of Indian companies will be required to certify approval as a foreign institutional investor or as a sub-account of a foreign institutional investor by SEBI and RBI. Certain other entities are also entitled to transact common stock of Indian companies under the Indian laws relating to investment by foreigners. BofA Merrill Lynch reserves the right to refuse copy of research on common stock of Indian companies to a person not resident in India. American Depositary Receipts (ADR) representing such common stock are not subject to these Indian law restrictions and may be transacted by investors in accordance with the applicable laws of the relevant jurisdiction. Global Depository Receipts (GDR) and the Global Depository Shares of Indian companies, Indian limited liability corporations, have not been registered under the U.S. Securities Act of 1933, as amended, and may only be transacted by persons in the United States who are Qualified Institutional Buyers (QIBs) within the meaning of Rule 144A under the Securities Act. Accordingly, no copy of any research report on Indian companies' GDRs will be made available to persons who are not QIBs.

DSP Merrill Lynch Limited

SEBI Regn no. : BSE - INB/INF 011348134 NSE - INB/INF 231348138 Address - Mafatlal Centre, 8th Floor, Nariman Point, Mumbai, India. 400021

Tel: +91 22 6632 8000



India - Engineering/Construction/Utilities Coverage Cluster

Investment rating	Company	BofA Merrill Lynch ticker	Bloomberg symbol	Analyst
BUY		_		
	Adani Enterprises Ltd.	ANIEF	ADE IN	Bharat Parekh
	Adani Power Ltd.	XADPF	ADANI IN	Bharat Parekh
	Bharat Heavy	BHHEF	BHEL IN	Bharat Parekh
	Essar Shipping, Ports & Logistics Ltd.	XESSF	ESRS IN	Bharat Parekh
	Gujarat State Petronet Ltd	GJRSF	GUJS IN	Vidyadhar Ginde
	GVK Power & Infrastructure Ltd.	GVPWF	GVKP IN	Deepak Agrawala
	IRB Infrastructure Developers Ltd.	XIRBF	IRB IN	Bharat Parekh
	IVRCL Infrastruc	IIFRF	IVRC IN	Bharat Parekh
	Jaiprakash Associates Limited	JPRKF	JPA IN	Bharat Parekh
	Jaiprakash Power Ventures Ltd.	XJSHF	JPVL IN	Bharat Parekh
	Lanco Infratech Ltd.	LNIFF	LANCIIN	Deepak Agrawala
	Larsen & Toub -G	LTORF	LTOD LI	Bharat Parekh
	Larsen & Toubro	LTOUF	LT IN	Bharat Parekh
	Mundra Port SEZ	XMANF	MSEZ IN	Bharat Parekh
	Nagarjuna Const	NGRJF	NJCC IN	Bharat Parekh
	NCC-GDR	XAKUF	NJGR LX	Bharat Parekh
	Reliance Infrastructure	RCTDF	RELI IN	Bharat Parekh
NEUTRAL				
	GMR Infrastructure Ltd.	GMRLF	GMRI IN	Deepak Agrawala
	Gujarat Inds	GUJIF	GIP IN	Bharat Parekh
	Neyveli Lignite	NEYVF	NLC IN	Bharat Parekh
	Tata Pwr. Co.	XTAWF	TPWR IN	Bharat Parekh
UNDERPERFORM				
	ABB	ABVFF	ABB IN	Bharat Parekh
	Gail India	XGLAF	GAIL IN	Vidyadhar Ginde
	Gail Limited - G	GAILF	GAID LI	Vidyadhar Ginde
	NTPC Ltd	NTHPF	NATP IN	Bharat Parekh
	Suzlon Energy	XZULF	SUEL IN	Bharat Parekh

$\emph{iQ} method^{\text{\tiny SM}}$ Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) * (1 - Tax Rate) + Goodwill	Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill
	Amortization	Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5-Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations – Total Capex	N/A
Quality of Earnings		
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt, Less Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit		
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap. = Current Share Price * Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price * Current Shares + Minority Equity + Net Debt +	•
Enterprise value / Jules	Other LT Liabilities	Suics
EV / EDITO A	Find and the Males	Deale FRIT Demonstration Assemble attent

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

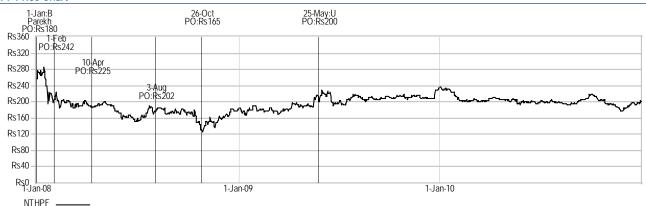
iQmethod sss is the set of BofA Merrill Lynch standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

iQdatabase® is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Merrill Lynch.

 $\textbf{\emph{iQprofile}}^{\text{SM}}, \textbf{\emph{iQmethod}}^{\text{SM}} \text{ are service marks of Merrill Lynch \& Co., Inc.} \textbf{\emph{iQdatabase}}^{\text{@}} \text{is a registered service mark of Merrill Lynch \& Co., Inc.} \textbf{\emph{id}} \textbf{\emph{id}}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}}} \textbf{\emph{id}} \textbf{\emph{id}}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{\emph{id}} \textbf{$

Important Disclosures

NTHPF Price Chart



B: Buy, N: Neutral, S: Sell, U: Underperform, PO: Price objective, NA: No longer valid, NR: No Rating

Prior to May 31, 2008, the investment opinion system included Buy, Neutral and Sell. As of May 31, 2008, the investment opinion system includes Buy, Neutral and Underperform. Dark Grey shading indicates that a security is restricted with the opinion suspended. Light grey shading indicates that a security is under review with the opinion withdrawn. The current investment opinion key is contained at the end of the report. Chart is current as of December 31, 2010 or such later date as indicated.

Investment Rating Distribution: Utilities Group (as of 01 Jan 2011)

Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
Buy	74	39.57%	Buy	30	46.15%
Neutral	56	29.95%	Neutral	33	63.46%
Sell	57	30.48%	Sell	17	33.33%
Investment Rating Distribution: Glo	bal Group (as of 01	Jan 2011)			
Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
Buy	2011	53.86%	Buy	874	48.31%
Neutral	925	24.77%	Neutral	444	52.30%
Sell	798	21.37%	Sell	276	36.75%

^{*} Companies in respect of which BofA Merrill Lynch or one of its affiliates has received compensation for investment banking services within the past 12 months. For purposes of this distribution, a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. *VOLATILITY RISK RATINGS*, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. *INVESTMENT RATINGS* reflect the analyst's assessment of a stock's: (i) absolute total return potential and (ii) attractiveness for investment relative to other stocks within its *Coverage Cluster* (defined below). There are three investment ratings: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster*

Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

^{*} Ratings dispersions may vary from time to time where BofA Merrill Lynch Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Merrill Lynch Comment referencing the stock.

Price charts for the securities referenced in this research report are available at http://pricecharts.ml.com, or call 1-888-ML-CHART to have them mailed. MLPF&S or an affiliate has received compensation from the company for non-investment banking services or products within the past 12 months: NTPC Ltd. The company is or was, within the last 12 months, a non-securities business client of MLPF&S and/or one or more of its affiliates: NTPC Ltd.

In the US, refail sales and/or distribution of this report may be made only in states where these securities are exempt from registration or have been qualified for sale: NTPC Ltd.

MLPF&S or an affiliate expects to receive or intends to seek compensation for investment banking services from this company or an affiliate of the company within the next three months: NTPC Ltd.

The country in which this company is organized has certain laws or regulations that limit or restrict ownership of the company's shares by nationals of other countries: NTPC Ltd.



The company is or was, within the last 12 months, a securities business client (non-investment banking) of MLPF&S and/or one or more of its affiliates: NTPC Ltd.

The analyst(s) responsible for covering the securities in this report receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking revenues.

Other Important Disclosures

Officers of MLPF&S or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments.

BofA Merrill Lynch Global Research policies relating to conflicts of interest are described at http://www.ml.com/media/43347.pdf.
"BofA Merrill Lynch" includes Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") and its affiliates. Investors should contact their BofA Merrill Lynch representative or Merrill Lynch Global Wealth Management financial advisor if they have questions concerning this report.

Information relating to Non-US affiliates of BofA Merrill Lynch and Distribution of Affiliate Research Reports:

MLPF&S distributes, or may in the future distribute, research reports of the following non-US affiliates in the US (short name: legal name): Merrill Lynch (France): Merrill Lynch Capital Markets (France) SAS; Merrill Lynch (Frankfurt): Merrill Lynch International Bank Ltd., Frankfurt Branch; Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd.; Merrill Lynch (Milan): Merrill Lynch International Bank Limited; MLI (UK): Merrill Lynch International; Merrill Lynch (Australia): Merrill Lynch Equities (Australia) Limited; Merrill Lynch (Hong Kong): Merrill Lynch (Asia Pacific) Limited; Merrill Lynch (Singapore): Merrill Lynch (Singapore): Merrill Lynch (Canada): Merrill Lynch Canada Inc; Merrill Lynch (Mexico): Merrill Lynch Mexico, SA de CV, Casa de Bolsa; Merrill Lynch (Argentina): Merrill Lynch (Japan): Merrill Lynch Japan Securities Co., Ltd.; Merrill Lynch (Seoul): Merrill Lynch International Incorporated (Seoul Branch); Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd.; DSP Merrill Lynch (India): DSP Merrill Lynch Limited; PT Merrill Lynch (Indonesia): PT Merrill Lynch Indonesia; Merrill Lynch (Israel): Merrill Lynch Israel Limited; Merrill Lynch (Russia): Merrill Lynch CIS Limited, Moscow; Merrill Lynch (Turkey): Merrill Lynch Yatirin Bankasi A.S.; Merrill Lynch Capital Markets Espana, S.A.S.V.; Merrill Lynch (Brazil): Banco Merrill Lynch de Investimentos S.A.

This research report has been approved for publication and is distributed in the United Kingdom to professional clients and eligible counterparties (as each is defined in the rules of the Financial Services Authority) by Merrill Lynch International and Banc of America Securities Limited (BASL), which are authorized and

This research report has been approved for publication and is distributed in the United Kingdom to professional clients and eligible counterparties (as each is defined in the rules of the Financial Services Authority) by Merrill Lynch International and Banc of America Securities Limited (BASL), which are authorized and regulated by the Financial Services Authority and has been approved for publication and is distributed in the United Kingdom to retail clients (as defined in the rules of the Financial Services Authority) by Merrill Lynch International Bank Limited, London Branch, which is authorized by the Central Bank of Ireland and is subject to limited regulation by the Financial Services Authority – details about the extent of its regulation by the Financial Services Authority are available from it on request; has been considered and distributed in Japan by Merrill Lynch Japan Securities Co., Ltd., a registered securities dealer under the Securities and Exchange Law in Japan; is distributed in Hong Kong by Merrill Lynch (Asia Pacific) Limited, which is regulated by the Hong Kong SFC and the Hong Kong Monetary Authority; is issued and distributed in Taiwan by Merrill Lynch Securities (Taiwan) Ltd.; is issued and distributed in India by DSP Merrill Lynch Limited; and is issued and distributed in Singapore by Merrill Lynch International Bank Limited (Merchant Bank) and Merrill Lynch (Singapore) Pte Ltd. (Company Registration No.'s F 06872E and 198602883D respectively) and Bank of America Singapore Limited (Merchant Bank). Merrill Lynch (Singapore) Pte Ltd. are regulated by the Monetary Authority of Singapore. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 provides this report in Australia in accordance with section 911B of the Corporations Act 2001 and neither it nor any of its affiliates involved in preparing this research report is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approva

This research report has been prepared and issued by MLPF&S and/or one or more of its non-US affiliates. MLPF&S is the distributor of this research report in the US and accepts full responsibility for research reports of its non-US affiliates distributed to MLPF&S clients in the US. Any US person receiving this research report and wishing to effect any transaction in any security discussed in the report should do so through MLPF&S and not such foreign affiliates.

General Investment Related Disclosures:

This research report provides general information only. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This report is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of any specific person. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this report and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this report.

Securities and other financial instruments discussed in this report, or recommended, offered or sold by Merrill Lynch, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

This report may contain a short-term trading idea or recommendation, which highlights a specific near-term catalyst or event impacting the company or the market that is anticipated to have a short-term price impact on the equity securities of the company. Short-term trading ideas and recommendations are different from and do not affect a stock's fundamental equity rating, which reflects both a longer term total return expectation and attractiveness for investment relative to other stocks within its Coverage Cluster. Short-term trading ideas and recommendations may be more or less positive than a stock's fundamental equity rating.

BofA Merrill Lynch is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned in this report. Investors in

such securities and instruments, including ADRs, effectively assume currency risk.

UK Readers: The protections provided by the U.K. regulatory regime, including the Financial Services Scheme, do not apply in general to business coordinated by BofA Merrill Lynch entities located outside of the United Kingdom. BofA Merrill Lynch Global Research policies relating to conflicts of interest are described at http://www.ml.com/media/43347.pdf.



Officers of MLPF&S or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments.

MLPF&S or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. MLPF&S or

one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report. BofA Merrill Lynch, through business units other than BofA Merrill Lynch Global Research, may have issued and may in the future issue trading ideas or

recommendations that are inconsistent with, and reach different conclusions from, the information presented in this report. Such ideas or recommendations reflect the different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Merrill Lynch is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this report.

In the event that the recipient received this report pursuant to a contract between the recipient and MLPF&S for the provision of research services for a separate fee, and in connection therewith MLPF&S may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom MLPF&S has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by MLPF&S). MLPF&S is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities mentioned in this report.

Copyright and General Information regarding Research Reports:
Copyright 2011 Merrill Lynch, Pierce, Fenner & Smith Incorporated. All rights reserved. iQmethod, iQmethod 2.0, iQprofile, iQtoolkit, iQworks are service marks of Merrill Lynch & Co., Inc. iQanalytics®, iQcustom®, iQdatabase® are registered service marks of Merrill Lynch & Co., Inc. This research report is prepared for the use of BofÁ Merrill Lynch clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Merrill Lynch. BofA Merrill Lynch Global Research reports are distributed simultaneously to internal and client websites and other portals by BofA Merrill Lynch and are not publicly-available materials. Any unauthorized use or disclosure is prohibited. Receipt and review of this research report constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained in this report (including any investment recommendations, estimates or price targets) without first obtaining expressed permission from an authorized officer of BofA Merrill Lynch.

Materials prepared by BofA Merrill Lynch Global Research personnel are based on public information. Facts and views presented in this material have not been

reviewed by, and may not reflect information known to, professionals in other business areas of BofA Merrill Lynch, including investment banking personnel. BofA Merrill Lynch has established information barriers between BofA Merrill Lynch Global Research and certain business groups. As a result, BofA Merrill Lynch does not disclose certain client relationships with, or compensation received from, such companies in research reports. To the extent this report discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this report. BofA Merrill Lynch Global Research personnel's knowledge of legal proceedings in which any BofA Merrill Lynch entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving companies mentioned in this report is based on public information. Facts and views presented in this material that relate to any such proceedings have not been reviewed by, discussed with, and may not reflect information known to, professionals in other business areas of BofA Merrill Lynch in connection with the legal proceedings or matters relevant to such proceedings.

This report has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of MLPF&S, any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Merrill Lynch Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax

advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Merrill Lynch and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This report may contain links to third-party websites. BofA Merrill Lynch is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this report and is not incorporated by reference into this report. The inclusion of a link in this report does not imply any endorsement by or any affiliation with BofA Merrill Lynch. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Merrill Lynch is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

Subject to the quiet period applicable under laws of the various jurisdictions in which we distribute research reports and other legal and BofA Merrill Lynch policy-related restrictions on the publication of research reports, fundamental equity reports are produced on a regular basis as necessary to keep the investment

Certain outstanding reports may contain discussions and/or investment opinions relating to securities, financial instruments and/or issuers that are no longer

current. Always refer to the most recent research report relating to a company or issuer prior to making an investment decision.

In some cases, a company or issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such company or issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with MLPF&S or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Merrill Lynch nor any officer or employee of BofA Merrill Lynch accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this report or its contents.