

BHEL

STOCK INFO. BSE Sensex: 14.212	BLOOMBERG BHEL IN
S&P CNX: 4,124	REUTERS CODE BHEL.BO
Equity Shares (m)	244.8
52-Week Range	2,668/1,531
1,6,12 Rel. Perf. (%)	4/1/3
M.Cap. (Rs b)	613.3
M.Cap. (US\$ b)	13.9

•	29 Jan	uary 2007									Buy
	Previou	us Recomme	ndation	:Виу						I	Rs2,506
	YEAR	NET SALES	PAT	EPS	EPS	P/E	P/BV	ROE	ROCE	EV/	EV/
	END	(RSM)	(RSM)	(RS)	GROWTH (%)	(X)	(X)	(%)	(%)	SALES	EBITDA
	03/06A	136,873	16,769	68.5	73.7	36.6	8.4	25.2	39.6	4.3	22.3
	03/07E	177,217	23,649	96.6	41.0	25.9	6.6	28.6	43.8	3.2	15.6
	03/08E	212,028	28,965	118.3	22.5	21.2	5.3	27.8	41.7	2.7	12.5

Robust 3QFY07 performance: During 3QFY07, BHEL reported net revenues of Rs43.4b (up 31% YoY), EBITDA of Rs9.3b (up 54% YoY) and net profit of Rs6.7b (up 58% YoY). The reported numbers were higher than our expectations: revenue Rs44.4b, EBITDA Rs7.8b and net profit Rs5.6b.

Positive surprises from EBITDA margin improvement: The key surprise during 3QFY07 has been the improvement in EBITDA margins to 21.4% (up 330bp YoY). This compares with 13.7% during 2QFY07 (up 780bp QoQ). The increase is largely due to lower staff cost (as % of revenues) at 11.8% during 3QFY07, v/s 13.6% YoY and lower SGA expenses at 10.1% v/s 11.3% during the same period. Raw material cost (as % of revenues) stood at 56.7% during 3QFY07, v/s 56.9% during 3QFY06.

Order backlog at Rs467b (up 42% YoY): BHEL's order backlog as at December 2006 stood at Rs467b (up 42% YoY), of which power division accounted for Rs356b. The current order backlog however does not include orders worth Rs35b (1,000MW) from Damodar Valley Corporation received in January 2007. Thus, the order backlog of Rs502b (including DVC's recent order win) translates into a book to bill ratio of 2.7x FY07E revenues of Rs188.6b.

Valuation and view: Given the order book of Rs502b (incl recent DVC order win), BHEL has strong revenue growth visibility going forward. We expect revenue CAGR of 21% and net profit CAGR of 27% over FY06-09E. The stock trades at P/E of 25.9x FY07E, 21.2x FY08E and 17.7x FY09E. Maintain **Buy**.

QUARTERLY PERFORMANCE									(F	Rs Million)
Y/E MARCH		FY0	6			FY0	7		FY06	FY07E
	1Q	2 Q	3 Q	4 Q	1Q	2 Q	3 Q	4QE		
Sales	19,365	25,103	33,267	55,157	26,564	33,412	43,397	70,328	132,892	173,701
Change (%)	<i>65.4</i>	45.2	45.5	23.5	37.2	33.1	30.5	27.5	40.0	30.7
EBITDA	1,715	3,689	6,029	11,949	3,182	4,563	9,292	15,477	23,382	32,514
Change (%)	332.0	66.0	70.8	37.0	85.5	23.7	54.1	29.5	65.4	39.1
As a % Sales	8.9	14.7	18.1	21.7	12.0	13.7	21.4	22.0	17.6	18.7
Depreciation	576	624	620	640	639	667	662	657	2,459	2,624
Interest	123	133	136	195	131	136	120	159	587	545
Other Income	931	1,057	1,187	2,133	1,201	1,699	1,855	2,284	5,308	7,038
PBT	1,947	3,989	6,460	13,247	3,613	5,460	10,365	16,945	25,644	36,383
Tax	668	1,388	2,229	4,567	1,246	1,860	3,688	5,940	8,852	12,734
Effective Tax Rate (%)	34.3	34.8	34.5	34.5	34.5	34.1	35.6	35.1	34.5	35.0
Reported PAT	1,279	2,602	4,232	8,680	2,367	3,600	6,677	11,005	16,792	23,649
Change (%)	444.3	64.4	78.3	<i>4</i> 8.5	85.1	38.4	57.8	26.8	76.1	40.8
Adj. PAT	1,279	2,602	4,232	8,680	2,367	3,600	6,677	11,005	16,792	23,649
Change (%)	266.8	64.4	78.3	<i>4</i> 8.5	85.1	38.4	57.8	26.8	74.1	40.8

E: MOSt Estimates; Other Income includes Operational Other Income

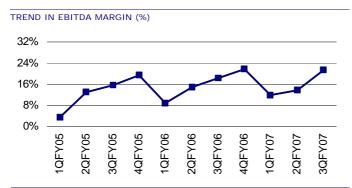
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Robust 3QFY07 performance

During 3QFY07, BHEL reported net revenues of Rs43.4b (up 31% YoY), EBITDA of Rs9.3b (up 54% YoY) and net profit of Rs6.7b (up 58% YoY). The reported numbers were higher than our expectations: revenue Rs44.4b, EBITDA Rs7.8b and net profit Rs5.6b.

Positive Surprises from EBITDA margin improvement

During 3QFY07, BHEL's EBITDA increased 54% YoY to Rs9.3b driven by 330bp YoY improvement in EBITDA margins to 21.4%. This compares with 13.7% during 2QFY07 (up 780bp QoQ). The increase is largely due to lower staff cost (as % of revenues) at 11.8% during 3QFY07, v/s 13.6% YoY and lower SGA expenses at 10.1% v/s 11.3% during the same period. Raw material cost (as % of revenues) stood at 56.7% during 3QFY07, v/s 56.9% during 3QFY06.



Source: Company/Motilal Oswal Securities

Industrial division witnesses margin pressures from higher commodity prices

Power division reported strong 3QFY07 performance, with revenues at Rs35.3b, up 29% YoY and EBIT of Rs8.5b, up 34% YoY. EBIT margins improved to 23.9% in 3QFY07, from 23% in 3QFY06. Industrial division witnessed margin pressure during 3QFY07, and reported revenues at Rs12.7b, up 33% YoY and EBIT of Rs1.6b, up 15% YoY. EBIT margins of the industrial division declined to 12.3% in 3QFY07, down from 14.2% in 3QFY06. Industrial division now accounts for 27% of revenues and 16% of EBIT.

The key reason for EBIT margin decline in the industrial division has been the higher commodity prices, particularly copper and CRGO. Industrial business entails fixed price contracts, and thus sharp increase in commodity prices have eroded margins. Going forward, we expect EBITDA margins to improve, given the moderation in terms of increase in copper prices.

During 9MFY07, the revenue for the power division grew by 30% YoY to Rs84.4b while revenues for industrial division grew by 34% YoY to Rs30.8b. During the same period, EBIT margins for the power division stood at 21.7% (up 209bp YoY) and for industrial division at 10.4% (down 243bp YoY).

	1QFY06	2QFY06	3QFY06	4QFY06	1QFY07	2QFY07	3QFY07
Revenue							
Power	16,087	21,080	27,518	44,254	21,828	27,141	35,387
Growth (%)	76.5	62.8	55.0	22.9	35.7	28.8	28.6
% of Total	73.6	73.2	74.2	71.5	73.9	72.3	73.5
Industrial	5,774	7,713	9,568	17,624	7,708	10,399	12,741
Growth (%)	35.3	14.3	15.5	18.0	33.5	34.8	33.2
% of Total	26.4	26.8	25.8	28.5	26.1	27.7	26.5
Intersegment	718	916	940	1,172	661	886	1,029
Total	21,143	27,877	36,146	60,706	28,875	36,654	47,099
EBIT							
Power	2,163	4,221	6,325	10,984	4,089	5,789	8,457
Margin (%)	13.4	20.0	23.0	24.8	18.7	21.3	23.9
% of Total	83.1	78.6	82.3	75.8	91.9	82.0	84.4
Industrial	440	1,147	1,360	3,516	362	1,268	1,565
Margin %	7.6	14.9	14.2	20.0	4.7	12.2	12.3
% of Total	16.9	21.4	17.7	24.2	8.1	18.0	15.6

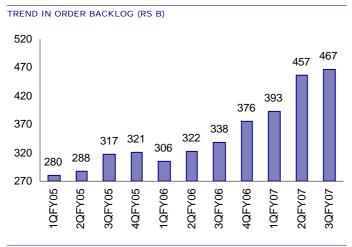
18.0 Source: Company/Motilal Oswal Securities

SEGMENT WISE ANALYSIS (RS M)

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Order backlog at Rs467b (up 38% YoY)

BHEL's order backlog as at December 2006 stood at Rs467b (up 38% YoY), of which power division accounted for Rs356b. The current order backlog however does not include orders worth Rs35b (1,000MW) from Damodar Valley Corporation received in January 2007. Thus, the order backlog of Rs502b (including DVC's recent order win) translates into a book to bill ratio of 2.7x FY07E revenues of Rs188.6b. The average execution cycle for the power division is 24-36 months while for the industrial division, it is 12-18 months.



Source: Company/Motilal Oswal Securities

Ramp in capacity to meet higher demand

BHEL is investing Rs16b to expand its capacity from 6,000MW to 10,000MW. Of the 10,000MW expanded capacity, coal / nuclear will be 6,500MW, Hydro 2,500MW and gas based 1,000MW. The increased capacity is expected to be fully operational by December 2007. The management indicated that they have already spent a sizable amount (60%+) of the above capex, and the balance amount would be invested by mid FY08. The company has also started taking various initiatives to develop vendor base and sub-contractor network with a view to outsourcing simple fabrication work and utilizing its own facilities for high value added jobs.

In next phase of expansion, the company is already working on plans to increase the capacity to 15,000 MW by FY09. The capex envisaged in this phase is expected at Rs32b (of which Rs25b is for expansion and Rs7b for modernization).

Valuation and view

Given the order book of Rs502b, BHEL has strong revenue growth visibility going forward. We expect revenue CAGR of 21% and net profit CAGR of 27% over FY06-09E. The stock trades at P/E of 25.9x FY07E, 21.2x FY08E and 17.7x FY09E. Maintain **Buy**.

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BHEL: an investment profile

Company description

BHEL is India's dominant producer of power and industrial machinery and a leading EPC company, established in the late 1950s as the government's wholly-owned subsidiary. Post divestment, the government currently has an equity stake of 67.7%. The company has 14 manufacturing divisions, 8 service centers, 4 power sector regional centers besides project sites spread across all over India and abroad. It has an annual installed capacity of 6,000MW. It has formed a tie-up with Alstom and an alliance with Siemens for the manufacture of super-critical 800MW boilers and turbines respectively.

Key investment arguments

- Order backlog at end 3QFY07 stands at Rs507b, a book to bill ratio of 2.7x FY07E.
- Increasing investments in country's power sector especially to build 68,000MW generating capacity in the XIth five year plan will ensure higher order intake.
- Technology transfer agreement with Alstom and Siemens for super critical boilers has enabled the company to plug the technology gaps from the product portfolio.

Key investment risks

- The key challenge is to meet execution deadlines and improve cost efficiencies.
- Intensified competition from Chinese, Korean, etc suppliers.

Recent developments

- The company announced an interim dividend of Rs12.5/sh and bonus in the ratio of 1:1.
- Announced order intake of 1,000MW from Damodar Valley Corporation for 1,000MW.

Valuation and view

- Given the order book of Rs507b, BHEL has strong revenue growth visibility going forward. We expect revenue CAGR of 21% and net profit CAGR of 27% over FY06-09E.
- The stock trades at P/E of 25.9x FY07E, 21.2x FY08E and 17.7x FY09E. Maintain **Buy**.

Sector view

- We expect ramp up in power sector investments, across segments generation, transmission and distribution.
- ✓ We maintain our positive view on the sector.

COMPARATIVE	VALUATIONS

		BHEL	L&T	CROMPTON
P/E (x)	FY07E	25.9	25.4	28.1
	FY08E	21.2	20.6	22.2
P/BV (x)	FY07E	6.6	7.4	12.1
	FY08E	5.3	6.4	9.4
EV/Sales (x)	FY07E	3.2	2.4	2.3
	FY08E	2.7	2.0	1.9
EV/EBITDA (x)	FY07E	15.6	24.4	23.0
	FY08E	12.5	19.7	17.7

EPS: MOST FORECAST VS CONSENSUS (RS)

	MOST	CONSENSUS	VARIATION
	FORECAST	FORECAST	(%)
FY07	96.6	96.4	0.2
FY08	118.3	117.9	0.4

TARGET PRICE AND RECOMMENDATION

CURRENT	TARGET	UPSIDE	RECO.
PRICE (RS)	PRICE (RS)	(%)	
2,506	2,823	12.7	Buy

SHAREHOLDING PATTERN (%)

	• •		
	DEC.06	SEP.06	DEC.05
Promoters	67.7	67.7	67.7
Domestic Institutions	7.5	7.4	7.6
FIIs/FDIs	21.7	22.0	22.1
Others	3.1	2.9	2.6

STOCK PERFORMANCE (1 YEAR)



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INCOME STATEMENT				(Rs	Million)	RATIOS					
Y/E MARCH	2005	2006	2007E	2008E	2009E	Y/E MARCH	2005	2006	2007E	2008E	2009E
Total Income	99,663	136,873	177,217	212,028	243,311	Basic (Rs)					
Change	18.8	40.4	29.9	19.5	14.7	EPS	39.4	68.5	96.6	118.3	14 1.2
						Change (%)	17.5	73.7	410	22.5	19.3
Staff Cost	16,504	18,785	21,603	27,004	29,704	Cash EPS	48.4	78.6	107.3	130.3	154.2
M fg. Expenses	47,784	69,424	89,765	108,930	125,341	Book Value	246.2	298.3	377.3	473.7	588.4
Selling Expenses	18,393	22,806	29,819	32,128	36,241	DPS	8.0	14.5	16.0	20.0	24.0
						Payout (incl. Div. Tax.)	23.0	23.3	18.2	18.6	18.7
EBITDA	16,982	25,858	36,031	43,965	52,025	Valuation (x)					
Change	25.6	52.3	39.3	22.0	18.3	P/E		36.6	25.9	21.2	17.7
% of Net Sales	17.0	18.9	20.3	20.7	21.4	Cash P/E		31.9	23.3	19.2	16.2
Depreciation	2,189	2,459	2,624	2,933	3,200	EV/EBITDA		22.3	25.5 15.6	12.5	10.2
Interest	814	587	545	725	725	EV/Sales		4.3	3.2	2.7	2.2
Other Income	2,037	2,797	3,522	4,254	5,060	Price/Book Value		8.4	6.6	5.3	4.3
Extra-ordinary Items (net)	-200	35	0	0	0			0.6	0.6	0.8	1.0
						Dividend Yield (%)		0.6	0.6	0.0	1.0
PBT	15,817	25,644	36,383	44,561	53,160	Return Ratio					
Tax	6,282	8,852	12,734	15,596	18,606	RoE	17.1	25.2	28.6	27.8	26.6
Rate (%)	39.7	34.5	35.0	35.0	35.0	RoCE	29.6	39.6	43.8	417	40.1
Reported PAT	9,534	16,792	23,649	28,965	34,554	Turnover Ratios					
Adjusted PAT	9,655	16,769	23,649	28,965	34,554	Debtors (Days)	248	228	226	224	222
Change	17.5	73.7	410	22.5	19.3	Inventory (Days)	121	119	110	110	110
Change		70.7	7 1.0	22.0	10.0	Creditors. (Days)	87	89	81	78	76
						Asset Turnover (x)	9.1	13.6	13.3	13.3	14.6
BALANCE SHEET				(Pe	Million)	Leverage Ratio					
Y/E MARCH	2005	2006	2007E	2008E	2009E	Debt/Equity (x)	0.1	0.1	0.1	0.0	0.0
Share Capital	2,448	2,448	2,448	2,448	2,448	Debl/Equity (x)	0.1	0.1	0.1	0.0	0.0
Reserves	57,821	70,566	89,907	113,487	141,579						
Net Worth	60,269	73,014	92,355	115,935	144,027	CASH FLOW STATEMENT					Million)
Loans	5,370	5,582	5,150	5,150	5,150	Y/E MARCH	2005	2006	2007E	2008E	2009E
Differed Tax Liability	-5,183	-6,737	-600	-600	-600	PBT before EO Items	16,017	25,608	36,383	44,561	53,160
Capital Employed	60,456	71,859	96,905	120,485	148,577	Add : Depreciation	2,189	2,459	2,624	2,933	3,200
oupitur Emproyou	00,400	1 1,000	00,000	120,400	140,011	Interest	814	587	545	725	725
Gross Fixed Assets	36,289	38,221	43,529	48,919	52,834	Less : Direct taxes paid	6,282	8,852	12,734	15,596	18,606
Less: Depreciation	25,847	28,398	30,452	33,285	36,485	(Inc)/Dec in WC	-2,910	-1,576	-6,844	-11,395	-7,975
Net Fixed Assets	10,442	9,823	13,077	15,633	16,348	CF from operations	9,827	18,228	19,975	21,227	30,504
Capital WIP	953	1,846	1,592	900	900						
Investments	90	83	150	150	150	EO Income	-200	35	0	0	0
Curr. Assets	133,430	158,063	215,759	262,941	313,923	CF from Operations in	9,627	18,263	19,975	21,227	30,504
Inventory	29,161	· ·	46,327	57,451	67,142						
Debtors	59,721		95,267	116,960	135,324	(Inc)/dec in FA	-1,557	-2,732	-5,625	-4,798	-3,915
Cash & Bank Balance	31,779	41,340	56,474	66,794	86,197	CF from investments	-1,357	-2,726	-5,692	-4,798	-3,915
Loans & Advances Other Current Assets	12,297	11,999 845	16,846 845	20,891	24,415	(Inc)/Dec in Networth	-19	-1,697	6,137	0	0
	472			845	845	(Inc)/Dec in Debt	-30	213	-432	0	0
Current Liab. & Prov.	84,459	97,955	133,673	159,140	182,745	Less : Interest Paid	814	587	545	725	725
Creditors Other Liebilities	20,997	28,041	33,948	40,566	46,518	Dividend Paid	2,225	3,904	4,308	5,385	6,462
Other Liabilities	50,208	54,792	79,212	94,654	108,542	CF from Fin. Activity	-3,088	-5,976	852	-6,110	-7,187
Provisions	13,254	15,123	20,513	23,921	27,684	•				•	•
Net Current Assets	48,971	60,108	82,086	103,801	13 1, 17 8	Inc/Dec of Cash	5,182	9,561	15,135	10,320	19,402
						orbec or cash	3, 102	3,301	10, 100	10,320	15,402
Misc. Expenses	0	0	0	0	0	A 11 B	00 -01	04		-c :-:	00 -0 :
Misc. Expenses Application of Funds	0 60,456	0 71,859		0 120,485		Add: Beginning Balance Closing Balance	26,596 31,779	31,779 41,340	41,340 56,474	56,474 66,794	66,794 86,197

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For more copies or other information, contact

Institutional: Navin Agarwal. Retail: Manish Shah, Mihir Kothari

Phone: (91-22) 39825500 Fax: (91-22) 22885038. E-mail: inquire@motilaloswal.com

Motilal Oswal Securities Ltd, 3rd Floor, Hoechst House, Nariman Point, Mumbai 400 021

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Disclosure of Interest Statement	BHEL
1. Analyst ownership of the stock	No
2. Group/Directors ownership of the stock	No
3. Broking relationship with company covered	No
4. Investment Banking relationship with company covered	No

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