

Company

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BGR Energy Systems (BGRE.B0)

Equity 🗹

BTG Manufacturing JV: Step In Right Direction

- Announces BTG manufacturing JV BGR Energy has signed JVs for manufacturing supercritical tubine - generators (TG) and supercritical boilers (B) with Hitachi Limited, Japan and Hitachi Power Europe, Germany respectively. BGR will have 74% and 70% stake in TG and boiler JVs respectively.
- Step in right direction Both JVs will start production in 2012 and will have capacity to manufacture 5 units of 660/800/1000MW per annum. Entry into BTG manufacturing is a step in right direction, makes BGR the only company other than L&T to offer EPC/BOP/BTG in India and will drive next stage of growth for the company.
- Capex higher / JV partner's stake lower than expected BTG JV will require capex of Rs44bn (B=Rs14bn, TG=Rs30bn,) v/s CIRA estimate of Rs32bn (B=Rs10bn, TG=Rs22bn). Hitachi's stake in JVs (B= 30% and TG=Rs26%) is also lower than CIRA estimate of 51%.
- Increased possibility of capital raising Higher capex and equity stake in the JVs increase possibility of capital raising ahead. BGR will need to infuse ~Rs11.2bn (D/E = 65/35) as equity in the JVs over next two years. Company had a cash balance of Rs9.3bn and 1.3xD/E at FY10 end.
- Maintain Buy In the first stage of growth when BGRL transformed itself into an integrated BOP player, it grew PAT at a CAGR of 70% over FY07-10. In the second stage, during which it aims to transform itself into an EPC player (60% of backlog from EPC), we expect PAT CAGR of 27% over FY10-13E with 33% average RoE. Entry into BTG manufacturing will drive third stage of growth beyond FY13.

Buy/Medium Risk	1 M
Price (06 Aug 10)	Rs797.80
Target price	Rs884.00
Expected share price return	10.8%
Expected dividend yield	0.9%
Expected total return	11.7%
Market Cap	Rs57,506M
	US\$1,248M

Price Performance (RIC: BGRE.BO, BB: BGRL IN)



Statistical Abstract							
Year to	Net Profit	Diluted EPS	EPS growth	P/E	P/B	ROE	Yield
31 Mar	(RsM)	(Rs)	(%)	(x)	(x)	(%)	(%)
2009A	1,154	16.03	32.2	49.8	10.2	22.2	0.4
2010A	2,015	27.98	74.5	28.5	8.1	31.7	0.9
2011E	3,025	42.01	50.1	19.0	6.0	36.5	0.9
2012E	3,705	51.45	22.5	15.5	4.6	33.7	1.1
2013E	4,157	57.73	12.2	13.8	3.6	29.3	1.2

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See Appendix A-1 for Analyst Certification, Important Disclosures and non-US research analyst disclosures.

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EVEBITDA adjusted (x) 28.1 17.2 11.6 9.4 8.8 P/BV (x) 10.2 8.1 6.0 4.6 3.1 Dividend yiel (%) 0.4 0.9 0.9 0.9 1.1 Per Share Data (Rs) EPS adjusted 16.03 27.98 42.01 51.45 57.7 EPS reported 16.03 27.98 42.01 51.45 57.7 EPS reported 16.03 27.98 42.01 51.45 57.7 EVES 78.32 98.09 131.91 173.42 220.00 DPS 3.00 7.00 7.00 8.50 9.51 Profit & Loss (RsM) Net sales 19.303 30.734 47.044 61.146 70.044 Operating expenses -17.289 -27.395 -41.987 -54.742 -62.83 EBIT 2.014 3.339 5.057 6.404 7.21 Net interest expense -579 -538 -775 -1.089 -1.21 Non-operating/exceptionals 317 250 299 296 299 Pre-tax profit 1.752 3.051 4.581 5.611 6.29 Tax -596 -1.037 -1.556 -1.906 -2.13 Extraord/Min.Int./Pref.div. -1 0 0 0 0 Reported net income 1.154 2.015 3.025 3.705 4.15 Adjusted earnings 1.154 2.015 3.025 3.705 4.15 Adjusted EBITDA 2.089 3.442 5.197 6.604 7.47 EVEN EMIDA 3.48 65.8 51.5 26.6 12. EBIT Adjusted 34.4 65.8 51.5 26.6 12. EBITOA adjusted 34.5 64.8 51.0 27.1 13. EPS adjusted 34.5 64.8 51.0 27.1 13. EPS adjusted 3.45 64.8 51.0 27.1 13. EPS adjusted 3.45 64.8 51.0 27.1 13. EPS adjusted 3.45 64.8 51.0 27.1 13. EPS adjusted 3.90 -820 -820 -220 3.72 Cash & capital -1.292 -825 -4.140 -3.873 -90 Net working capital -1.292 -825 -4.140 -3.873 -90 Net working capital -1.292 -825 -4.140 -3.873 -90 Investing cash flow 941 -629 -1.800 -3.150 -7.50 -7.50 Acquisitions/disposals 1.509 0 -1.050 -2.400 -1.950 Financing cash flow 1.812 1.655 2.910 -2.400 -1.950 Financing cash flow 1.812 1.655 2.910 -2.400 -1.950 Financing cash flow 1.812 1.855 2.910 -2.400 -1.950	Fiscal year end 31-Mar	2009	2010	2011E	2012E	2013E
EVEBITDA adjusted (x) 28.1 17.2 11.6 9.4 8.8 P/BV (x) 10.2 8.1 6.0 4.6 3.1 Dividend yiel (%) 0.4 0.9 0.9 0.9 1.1	Valuation Ratios					
EVEBITDA adjusted (x) 28.1 17.2 11.6 9.4 8.8 P/BV (x) 10.2 8.1 6.0 4.6 3.1 Dividend yield (%) 0.4 0.9 0.9 1.1 1.3 Per Share Data (Rs) EPS adjusted 16.03 27.98 42.01 51.45 57.7 EPS reported 16.03 27.98 42.01 51.45 57.7 BVPS 78.32 98.09 131.91 173.42 220.0 DPS 3.00 7.00 7.00 8.50 9.51 Profit & Loss (RsM) Net sales 19.303 30.734 47.044 61.146 70.04 Operating expenses -17.289 -27.395 -41.987 -54.742 -62.83 EBIT 2.014 3.339 5.057 6.404 7.21 Net interest expense -579 -538 -775 -1.089 -1.21 Non-operating/exceptionals 317 250 299 296 299 Pre-tax profit 1.752 3.051 4.581 5.611 6.29 Tax Extraord/Min.Int./Pref.div. -1 0 0 0 0 Reported net income 1.154 2.015 3.025 3.705 4.15 Adjusted earnings 1,154 2.015 3.025 3.705 4.15 Adjusted EBITDA 2.089 3.442 5.197 6.604 7.47 Growth Rates (%) Sales 27.0 59.2 53.1 30.0 14.4 EBIT adjusted 34.4 65.8 51.5 26.6 12. EBITO adjusted 34.5 64.8 51.0 27.1 13. EPS adjusted 3.45 64.8 51.0 27.1 13. EPS adjusted 3.22 74.5 50.1 22.5 12. Cash Elow (RsM) 941 -629 -1.800 -3.150 -2.70 Capital expenditure -568 -629 -750 -750 -755 Acquisitions/disposals 1,509 0 -1.050 -2.400 -1.955 Financing cash flow 1.812 1.655 2.910 -2.400 -1.955 Financing cash flow 1.812 1.655 -2.910 -750 -750 -755 -750 -755 -755 -755 -755 -755 -755	P/E adjusted (x)	49.8	28.5	19.0	15.5	13.8
Profit Company Compa	•					8.3
Dividend yield (%) 0.4 0.9 0.9 1.1 1.1				6.0		3.6
Per Share Data (Rs) EPS adjusted 16.03 27.98 42.01 51.45 57.77 EVS reported 16.03 27.98 42.01 51.45 57.77 BVPS 78.32 98.09 131.91 173.42 220.00 DPS 3.00 7.00 7.00 8.50 9.50 Profit & Loss (RsM) Net sales 19.303 30,734 47,044 61,146 70,044 Operating expenses -17,289 -27,395 -41,987 -54,742 -62.83 EBIT 2,014 3,339 5.057 6,404 72.11 Non-operating/exceptionals 317 250 299 296 299 Pre-tax profit 1,752 3,051 4,581 5,611 6,283 Extraord/Min.Int/Pref.div. -1 0 0 0 0 Extraord/Min.Int/Pref.div. -1 0 0 0 0 Reported net income 1,154 2,015 3,025 3,705 4,15 <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.2</td>						1.2
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EPS reported 16.03 27.98 42.01 51.45 57.77 BVPS 78.32 98.09 131.91 173.42 220.00 Profit & Loss (RSM) 3.00 7.00 7.00 8.50 9.50 Profit & Loss (RSM) 9.50 7.00 8.50 9.51 Net sales 19,303 30,734 47,044 61,146 70,044 Operating expenses -17,289 -27,395 -41,987 -54,742 -62,83 EBIT 2.014 3,339 5,057 6,404 7,21* Non-operating/exceptionals 317 250 299 296 299 Pre-tax profit 1,752 3,051 4,581 5,611 6,29 Tax -596 -1,037 -1,556 -1,906 -2,13 Extraord-Mini.Intr./Pref.div. -1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		16.03	27.98	42.01	51.45	57.73
BVPS 78.32 98.09 131.91 173.42 220.00 Profit & Loss (RsM)	=					57.73
Profit & Loss (RsM)	· · · · · · · · · · · · · · · · · · ·	78.32	98.09	131.91	173.42	220.03
Net sales	DPS					9.50
Departing expenses	Profit & Loss (RsM)					
Departing expenses		19.303	30.734	47.044	61.146	70,048
Part	Operating expenses					-62,831
Net interest expense -579 -538 -775 -1,089 -1,211						7,217
Non-operating/exceptionals 317 250 299 296 299 296 299 296 299 296 299 296 299 296 299 296	Net interest expense					-1,217
Pre-tax profit 1,752 3,051 4,581 5,611 6,291 Tax	-	317	250	299		296
Tax -596 -1,037 -1,556 -1,906 -2,138 Extraord./Min.Int./Pref.div. -1 0 0 0 0 Reported net income 1,154 2,015 3,025 3,705 4,15 Adjusted earnings 1,154 2,015 3,025 3,705 4,15 Adjusted EBITDA 2,089 3,442 5,197 6,604 7,47 Growth Rates (%) 3 3,442 5,197 6,604 7,47 Growth Rates (%) 5 59.2 53.1 30.0 14.1 EBIT adjusted 34.4 65.8 51.5 26.6 12.1 EBIT adjusted 34.5 64.8 51.0 27.1 13. EPS adjusted 32.2 74.5 50.1 22.5 12.1 Cash Flow (RsM) 330 2,096 -820 222 3,72 Depreciation/amortization 75 103 140 200 260 Net working capital -1,292 -825						6,295
Extraord./Min.Int./Pref.div1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						-2,139
Reported net income 1,154 2,015 3,025 3,705 4,15 Adjusted earnings 1,154 2,015 3,025 3,705 4,15 Adjusted EBITDA 2,089 3,442 5,197 6,604 7,47 Growth Rates (%) 3 59.2 53.1 30.0 14.1 EBIT adjusted 34.4 65.8 51.5 26.6 12.2 EBITDA adjusted 34.5 64.8 51.0 27.1 13. EPS adjusted 32.2 74.5 50.1 22.5 12.3 Cash Flow (RSM) 330 2,096 -820 <td>Extraord./Min.Int./Pref.div.</td> <td></td> <td></td> <td></td> <td></td> <td>0</td>	Extraord./Min.Int./Pref.div.					0
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Adjusted EBITDA 2,089 3,442 5,197 6,604 7,477 Growth Rates (%) Sales 27.0 59.2 53.1 30.0 14.1 EBIT adjusted 34.4 65.8 51.5 26.6 12. EBITDA adjusted 34.5 64.8 51.0 27.1 13 EPS adjusted 32.2 74.5 50.1 22.5 12 Cash Flow (RsM) Operating cash flow 330 2,096 -820 222 3,722 Depreciation/amortization 75 103 140 200 26.0 Net working capital -1,292 -825 -4,140 -3,873 -900 Investing cash flow 941 -629 -1,800 -3,150 -2,701 Capital expenditure -568 -629 -750 -750 -750 Acquisitions/disposals 1,509 0 -1,050 -2,400 -1,950 Financing cash flow 1,812 1,655 2,910 2,684 -800 Borrowings 2,063 2,246 3,500 3,400 (abortowings 2,063 2,266 3,500 3,400 (abortowings 2,064 3,400 (abortowings 2,064 3,400 (abortowings 2,0						4,157
Sales 27.0 59.2 53.1 30.0 14.4						
Sales 27.0 59.2 53.1 30.0 14.4 EBIT adjusted 34.4 65.8 51.5 26.6 12. EBITDA adjusted 34.5 64.8 51.0 27.1 13.5 EPS adjusted 32.2 74.5 50.1 22.5 12.5 Cash Flow (RsM) Operating cash flow 330 2,096 -820 222 3,72 Depreciation/amortization 75 103 140 200 26 Net working capital -1,292 -825 -4,140 -3,873 -90 Investing cash flow 941 -629 -1,800 -3,150 -2,70 Capital expenditure -568 -629 -750 -750 -750 Acquisitions/disposals 1,509 0 -1,050 -2,400 -1,950 Financing cash flow 1,812 1,655 2,910 2,684 -800 Borrowings 2,063 2,246 3,500 3,400 0 <td>•</td> <td>,</td> <td>,</td> <td>,</td> <td>.,</td> <td>,</td>	•	,	,	,	.,	,
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EBITDA adjusted 34.5 64.8 51.0 27.1 13.3 EPS adjusted 32.2 74.5 50.1 22.5 12.3	EBIT adjusted					12.7
Cash Flow (RsM) Superint Su						13.2
Operating cash flow 330 2,096 -820 222 3,72 Depreciation/amortization 75 103 140 200 26 Net working capital -1,292 -825 -4,140 -3,873 -909 Investing cash flow 941 -629 -1,800 -3,150 -2,700 Capital expenditure -568 -629 -750 -750 -750 Acquisitions/disposals 1,509 0 -1,050 -2,400 -1,950 Financing cash flow 1,812 1,655 2,910 2,684 -800 Borrowings 2,063 2,246 3,500 3,400 0 Change in cash 3,083 3,123 290 -244 22 Balance Sheet (RsM) 7 590 -590 -716 -800 Cash & cash equivalent 6,152 9,274 9,564 9,321 9,544 Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed a		32.2	74.5	50.1	22.5	12.2
Depreciation/amortization 75 103 140 200 260 Net working capital -1,292 -825 -4,140 -3,873 -900 Investing cash flow 941 -629 -1,800 -3,150 -2,700 Capital expenditure -568 -629 -750 -750 -750 -750 Acquisitions/disposals 1,509 0 -1,050 -2,400 -1,950 Financing cash flow 1,812 1,655 2,910 2,684 -800 Borrowings 2,063 2,246 3,500 3,400 0 Dividends paid -253 -590 -590 -716 -800 Change in cash 3,083 3,123 290 -244 22 Balance Sheet (RSM) Total assets 26,733 38,262 52,265 66,206 75,940 Cash & cash equivalent 6,152 9,274 9,564 9,321 9,544 Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,200 Total liabilities 21,066 31,171 42,739 53,692 60,076 Accounts payable 4,413 8,723 12,539 15,659 17,186 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,876 Profitability/Solvency Ratios (%)	Cash Flow (RsM)					
Net working capital -1,292 -825 -4,140 -3,873 -900	Operating cash flow	330	2,096	-820	222	3,722
Net working capital -1,292 -825 -4,140 -3,873 -908		75		140	200	260
Capital expenditure -568 -629 -750 -750 -750 Acquisitions/disposals 1,509 0 -1,050 -2,400 -1,950 Financing cash flow 1,812 1,655 2,910 2,684 -800 Borrowings 2,063 2,246 3,500 3,400 0 Change in cash 3,083 3,123 290 -716 -800 Change in cash 3,083 3,123 290 -244 22 Balance Sheet (RsM) -700 <td>Net working capital</td> <td>-1,292</td> <td>-825</td> <td>-4,140</td> <td>-3,873</td> <td>-909</td>	Net working capital	-1,292	-825	-4,140	-3,873	-909
Acquisitions/disposals 1,509 0 -1,050 -2,400 -1,950 Financing cash flow 1,812 1,655 2,910 2,684 -800 Borrowings 2,063 2,246 3,500 3,400 0 Dividends paid -253 -590 -590 -716 -800 Change in cash 3,083 3,123 290 -244 22 Balance Sheet (RsM) -253 -590 -590 -716 -800 Change in cash 3,083 3,123 290 -244 22 Balance Sheet (RsM) -253 -590 -590 -716 -800 Cash & cash equivalent 6,152 9,274 9,564 9,321 9,542 Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,200 Total liabilities 21,066 31,171 42,739 53,692 60,070 Accounts payable<	Investing cash flow	941	-629	-1,800	-3,150	-2,700
Financing cash flow 1,812 1,655 2,910 2,684 -800 Borrowings 2,063 2,246 3,500 3,400 6 Dividends paid -253 -590 -590 -716 -800 Change in cash 3,083 3,123 290 -244 22 Balance Sheet (RsM)	Capital expenditure	-568	-629	-750	-750	-750
Borrowings 2,063 2,246 3,500 3,400 0 Dividends paid -253 -590 -590 -716 -800 Change in cash 3,083 3,123 290 -244 22 Balance Sheet (RsM) Total assets 26,733 38,262 52,265 66,206 75,94 Cash & cash equivalent 6,152 9,274 9,564 9,321 9,54 Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,200 Total liabilities 21,066 31,171 42,739 53,692 60,070 Accounts payable 4,413 8,723 12,539 15,659 17,180 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,870	Acquisitions/disposals	1,509	0	-1,050	-2,400	-1,950
Borrowings 2,063 2,246 3,500 3,400 0 Dividends paid -253 -590 -590 -716 -800 Change in cash 3,083 3,123 290 -244 22 Balance Sheet (RsM) Total assets 26,733 38,262 52,265 66,206 75,94 Cash & cash equivalent 6,152 9,274 9,564 9,321 9,54 Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,200 Total liabilities 21,066 31,171 42,739 53,692 60,070 Accounts payable 4,413 8,723 12,539 15,659 17,180 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,870	Financing cash flow	1,812	1,655	2,910	2,684	-800
Change in cash 3,083 3,123 290 -244 22 Balance Sheet (RsM) Total assets 26,733 38,262 52,265 66,206 75,94 Cash & cash equivalent 6,152 9,274 9,564 9,321 9,54 Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,200 Total liabilities 21,066 31,171 42,739 53,692 60,076 Accounts payable 4,413 8,723 12,539 15,659 17,18 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,876 Profitability/Solvency Ratios (%)	Borrowings		2,246	3,500	3,400	0
Balance Sheet (RsM) Total assets 26,733 38,262 52,265 66,206 75,94 Cash & cash equivalent 6,152 9,274 9,564 9,321 9,54 Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,200 Total liabilities 21,066 31,171 42,739 53,692 60,076 Accounts payable 4,413 8,723 12,539 15,659 17,186 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,876 Profitability/Solvency Ratios (%)	Dividends paid	-253	-590	-590	-716	-800
Total assets 26,733 38,262 52,265 66,206 75,94 Cash & cash equivalent 6,152 9,274 9,564 9,321 9,545 Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,200 Total liabilities 21,066 31,171 42,739 53,692 60,076 Accounts payable 4,413 8,723 12,539 15,659 17,180 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,870 Profitability/Solvency Ratios (%) 10,000 10,	Change in cash	3,083	3,123	290	-244	221
Cash & cash equivalent 6,152 9,274 9,564 9,321 9,545 Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,200 Total liabilities 21,066 31,171 42,739 53,692 60,070 Accounts payable 4,413 8,723 12,539 15,659 17,180 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,870 Profitability/Solvency Ratios (%) 10,000 10,	Balance Sheet (RsM)					
Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,207 Total liabilities 21,066 31,171 42,739 53,692 60,070 Accounts payable 4,413 8,723 12,539 15,659 17,180 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,870 Profitability/Solvency Ratios (%)	Total assets	26,733	38,262	52,265	66,206	75,941
Accounts receivable 12,789 19,803 30,933 41,043 47,019 Net fixed assets 1,031 1,557 2,167 2,717 3,207 Total liabilities 21,066 31,171 42,739 53,692 60,070 Accounts payable 4,413 8,723 12,539 15,659 17,180 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,870 Profitability/Solvency Ratios (%)	Cash & cash equivalent	6,152	9,274	9,564	9,321	9,542
Total liabilities 21,066 31,171 42,739 53,692 60,070 Accounts payable 4,413 8,723 12,539 15,659 17,180 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,870 Profitability/Solvency Ratios (%)	Accounts receivable	12,789	19,803		41,043	47,019
Accounts payable 4,413 8,723 12,539 15,659 17,181 Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,870 Profitability/Solvency Ratios (%)	Net fixed assets	1,031	1,557	2,167	2,717	3,207
Total Debt 7,090 9,336 12,836 16,236 16,236 Shareholders' funds 5,667 7,091 9,525 12,514 15,876 Profitability/Solvency Ratios (%)	Total liabilities	21,066	31,171	42,739	53,692	60,070
Shareholders' funds 5,667 7,091 9,525 12,514 15,870 Profitability/Solvency Ratios (%)	Accounts payable	4,413	8,723	12,539	15,659	17,180
Profitability/Solvency Ratios (%)	Total Debt	7,090	9,336	12,836	16,236	16,236
	Shareholders' funds	5,667	7,091	9,525	12,514	15,870
EDITO 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Profitability/Solvency Ratios (%)					
EBIIDA margin adjusted 10.8 11.2 11.0 10.8 10.7	EBITDA margin adjusted	10.8	11.2	11.0	10.8	10.7
	_ ·					29.3
·						24.4
•						42.2
						50.6

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BGR Energy Systems

Company description

BGRL was incorporated in 1985 as a joint venture (JV) between GEA Energietechnik GmbH, Germany (40% stake) and Mr. B.G. Raghupathy (60% stake). It was initially in the business of supplying condensate tube-cleaning systems and debris filters, with a turnover of ~Rs100m. In 1993, GEA's stake was bought out by B.G. Raghupathy. Around FY00, BGR decided to approach clients with an integrated power equipment offering, rather than multiple divisions of BGRL approaching the same set of clients. BGRL then also tied up with BHEL to provide BOP solutions to clients. It won BOP orders for 95MW Valuthur CCPP from TNEB and for 23MW captive plant from Aditya Cements in Rajasthan. In FY01, BGRL won the EPC contract from Aban for a 120MW gas power plant in TN. Following an IPO, BGRL listed on the stock exchanges on January 3, 2008. The company won its first 600MW EPC contract from TNEB in FY09. BGRL has also announced collaboration with Hitachi Power Europe GmbH, Germany (660MW, 800MW, 1,000MW and 1,100MW) for supercritical boilers and with Hitachi, Japan (660MW, 700MW, 800MW and 1,000MW) for supercritical turbines and generators.

Investment strategy

We have Buy/ Medium (1M) risk rating on BGRL as we believe the company is well positioned to benefit from India's huge power deficit, leading to the average annual power generation equipment market expanding from 5GW in the Xth plan to 16GW in the XIth plan and to 20-25GW in the future. We estimate that the current balance of plant (BOP) annual market size is set to increase from Rs220bn to Rs305bn in the future.

Currently most BOP component suppliers lack the skill sets and balance sheets to provide integrated BOP solutions and larger turnkey suppliers are diversified with limited focus on BOP. BGRL's power BOP focus and sourcing of ~ 40% of any BOP order in-house provides it a competitive advantage. Leveraging the gains of BOP business, the company has now transformed itself into a company capable of taking US\$1bn+ EPC orders.

In the first stage when BGRL transformed itself into an integrated BOP player, the company grew PAT at a CAGR of 70% of FY07-10. In the second stage, during which the company aims tol transform itself into an integrated EPC player, we expect PAT CAGR of 27% over FY10-13E with average RoEs of 33%.

The next stage of growth is backward integrating into boiler and turbine generator (BTG) manufacturing, and company has tied up with a credible international partner, Hitachi, for the same. If BGRL does succeed in the last leg of transformation, it will be in an enviable position of being the only company other than L&T to offer EPC, BOP and BTG manufacturing in India.

Valuation

We set a target price of Rs884 for BGRL, which is based on a target P/E multiple of 18x December 2011E EPS. Our target price is set at $\sim\!20\%$ discount to peers like BHEL and Thermax ,given their superior cash flow from operations (CFO), PAT margins, RoE, order backlog and longer execution track record. Our target P/E multiple is also set at $\sim\!30\%$ premium to mid cap construction peers like IVRCL, Nagarjuna, HCC and Punj Lloyd, given BGRL's superior PAT margins and RoE.

BGRL has traded in a P/E multiple band of 4x to 58x post listing with average P/E multiples of 14x. Our target P/E multiple is set at a ~30% premium to the historical average, given (1) the company's successful transformation from a BOP player to an EPC player, (2) credible steps to expand into BTG manufacturing and (3) the historical average is to an extent deflated by a period of global market correction.

Risks

Our quantitative risk-rating system, which tracks 260-day historical share price volatility, assigns a Medium Risk rating to BGRL. The key downside risks include the following:

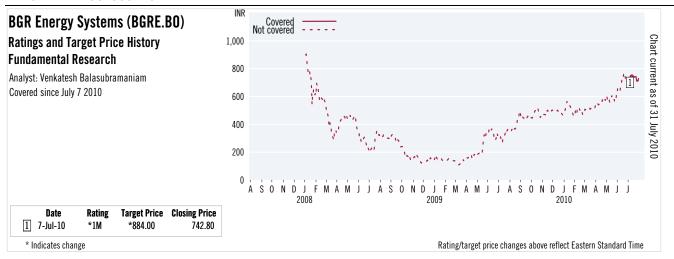
- (1) The biggest challenge for BGRL is the timely and effective management of projects in hand.
- (2) Of the current order book, nearly ~ 70% of the projects are on a fixed price basis which implies that any adverse fluctuation of raw materials prices and bought-out items could negatively effect margins
- (3) High working capital needs with long payment cycles and retention money held by clients imply a sharp spike in the interest rates could result in higher borrowing costs
- (4) The majority of BGRL's orders are from state power utilities. SPU losses increased from Rs46bn in FY93 to Rs319bn in FY08 and are expected to be ~Rs500bn in FY10. At FY08 tariff levels the 13th Finance Commission believes this could be as high as Rs686bn in FY11E and move up to Rs1,161bn by FY15E.
- (5) BGRL does not have the balance sheet to support the equity investment into 2,640MW of projects. If BGRL ends up investing in these power plants, it would strain the company's balance sheet significantly.

Appendix A-1

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