

# Equities

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# **BGR Energy Systems (BGRE.BO)**

Downgrade to Sell: Significant Balance Sheet Deterioration

- Downgrade to Sell (3H) Revise down our EPS for FY12-14E by 17-34% to factor in (1) 8-14% lower sales and (2) higher interest costs. Our estimates are 27-35% below consensus expectations. We cut our target price to Rs241 (Rs350 earlier) to factor in our EPS revision and roll forward of target P/E multiple of 8x to Mar13E (from Dec12E).
- 2Q12 PAT down 34% YoY Despite a 267bps margin expansion, BGRL's 2Q12 PAT was down 34% YoY at Rs514mn, which was 29% below CIRA at Rs726mn on account of (1) 32% YoY decline in sales and (2) 118% YoY increase in interest costs.
- Significant balance sheet deterioration BGRL seems to be facing severe working capital (WC) stress with debtor days ballooning up to 478 days of sales end 2Q12 from 258 days end 2Q11. WC intensity (NCA Cash days of sales) is up to 289 days end 2Q12 from 119 days end 2Q11. Cash flow from operations (CFO) was -9.1bn in 1HFY12 vs. -5.4bn in 1HFY11. The debt equity ratio has ballooned to 2.2x end 2Q12 from 1.7x from end 2Q11. With more equity commitments for the BTG JV with Hitachi over the next 12-18 months, we expect the balance sheet to deteriorate even further.
- Order drought adds to the pain After winning a mere Rs29.4bn of orders in FY11, BGRL has managed to cobble together Rs10.1bn of orders in 1H12. As of now the company has visibility for an aggressive bid and won Rs29bn order for 4X800MW turbines from NTPC. The RRVUNL Rs60bn+ EPC order for 2X660 is long delayed. Even if orders rebound, we expect margins to decline structurally ahead and BGRL, with its weak balance sheet, could find the going tough.
- BGR's NTPC tender win is aggressive BGR's L1 raw bid @ Rs8.8mn/MW is aggressive and well below past bids in the Indian market by domestic equipment suppliers and the industry benchmark (in the new competitive scenario). That management claims they have received calls from other utilities if they could supply turbines at these prices post the tender could be an indication of the same.

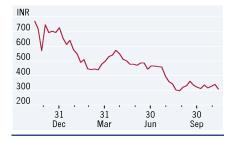
Year to	Net Profit	Diluted EPS	EPS growth	P/E	P/B	ROE	Yield
31 Mar	(RsM)	(Rs)	(%)	(x)	(x)	(%)	(%)
2010A	2,013	27.96	74.4	10.6	3.0	31.7	2.4
2011A	3,234	44.82	60.3	6.6	2.3	39.0	3.4
2012E	2,403	33.30	-25.7	8.9	1.9	23.0	2.4
2013E	2,175	30.14	-9.5	9.9	1.7	17.9	2.4
2014E	2,180	30.21	0.3	9.8	1.5	15.9	2.4

#### Company Update

- Rating Change
- Target Price Change
- Estimate Change

3Н
Rs297.05
Rs241.00
-18.9%
2.4%
-16.5%
Rs21,436M
US\$429M

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





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

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Valuation Ratios         P/E adjusted (x)         10.6         6.6         8.9         9.9         9.8           P/E adjusted (x)         6.7         4.8         7.2         10.6         14.0           P/E V(x)         3.0         2.3         1.9         1.7         1.5           Dividend yield (%)         2.4         2.4         2.4         2.4         2.4           Per Share Dat(Rs)         EPS adjusted         2.7.96         44.82         33.30         30.14         30.21           BVPS         9.8.09         131.33         157.06         179.04         201.09           DPS         7.00         10.01         7.00         7.00         7.00           Profit & Loss (RsM)         Net sales         30.734         47.498         35.042         43.798         52.553           Operating expenses         -27.395         42.309         -30.444         -38.902         47.232           EBIT         Assistion         5.10         4.908         3.542         43.798         52.553           Operating expenses         -27.395         42.309         -30.444         -38.902         47.72         5.211           Nati interse expense         -3.86         -005	Fiscal year end 31-Mar	2010	2011	2012E	2013E	2014E
EV/EBITDA adjusted (x)         6.7         4.8         7.2         10.6         14.0           P/BV (x)         3.0         2.3         1.9         1.7         1.5           Dividend yield (%)         2.4         3.4         2.4         2.4           Per Share Data (Rs)         EPS adjusted         27.96         44.82         33.30         30.14         30.21           EPS reported         27.96         44.82         33.30         30.14         30.21           EVPS         98.09         131.93         157.06         179.04         201.09           DPS         7.00         10.01         7.00         7.00         7.00           Profit & Loss (RsM)          V         47.323         51.90         -45.98         4.895         5.321           Net interest expense         -5.38         -605         -1.177         -1.811         -2.229           Non-operating/exceptionals         250         223         128         128         128           Reported net income         2.013         3.234         2.403         2.175         2.180           Adjusted earnings         2.013         3.234         2.403         2.175         2.180	Valuation Ratios					
PIBV (x)         3.0         2.3         1.9         1.7         1.5           Dividend yield (%)         2.4         3.4         2.4         2.4         2.4           Per Share Data (Rs)         EPS reported         27.96         44.82         33.30         30.14         30.21           EPS reported         27.96         44.82         33.30         30.14         20.19           DPS         7.00         10.01         7.00         7.00         7.00           Ders         7.00         10.01         7.00         7.00         7.00           Profit & Loss (RsM)         Net sales         30.734         47.498         35.042         43.798         52.553           Operating expenses         -27.395         -42.309         -30.444         -38.902         -47.232           EBIT         3,3951         4.608         3.549         3.212         3.221         3.221           Pre-tax profit         3,051         4.608         3.549         3.212         3.221         3.221           Tax         -1.037         -1.4         0         0         0         0         Resported net income         2.013         3.234         2.403         2.175         2.180         <	P/E adjusted (x)	10.6	6.6	8.9	9.9	9.8
Dividend yield (%)         2.4         3.4         2.4         2.4         2.4           Per Sare Data (Rs)         EPS adjusted         27.96         44.82         33.30         30.14         30.21           EPS adjusted         27.96         44.82         33.30         30.14         30.21           BVPS         98.09         131.93         157.06         179.04         201.09           DPS         7.00         10.01         7.00         7.00         7.00           Profit & Loss (RsM)           47.498         35.042         43.798         52.553           Operating expenses         -27.395         42.309         -0.0.444         -38.902         47.232           EBIT         3.339         5.190         4.598         4.895         5.211           Non-operating/exceptionals         250         223         128         128         128           Pre-tax profit         3.051         4.608         3.549         3.212         3.221         3.221         3.221         3.221         3.221         3.234         2.403         2.175         2.180         Adjusted earnings         2.013         3.234         2.403         2.175         2.180         Adjusted	EV/EBITDA adjusted (x)	6.7	4.8	7.2	10.6	14.0
Per Share Data (Rs)           EPS adjusted         27.96         44.82         33.30         30.14         30.21           EPS reported         27.96         44.82         33.30         30.14         30.21           BVPS         98.09         131.93         157.06         179.04         201.09           DPS         7.00         10.01         7.00         7.00         7.00           Profit & Loss (RsM)         .	P/BV (x)	3.0	2.3	1.9	1.7	1.5
EPS adjusted         27.96         44.82         33.30         30.14         30.21           EPS reported         27.96         44.82         33.30         30.14         30.21           BVPS         98.09         131.93         157.06         179.04         201.09           DPS         7.00         10.01         7.00         7.00         7.00           Profit & Loss (RSM)         Net sales         30,734         47,498         35,042         43,798         52,553           Operating expenses         -27,395         42,309         -30,444         -38,902         47,232           EBIT         3,339         5,190         4,598         4,895         5,321           Non-operating/exceptionals         250         223         128         128         128           Pre-tax profit         3,051         4,608         3,549         3,212         3,221           Tax         -1,037         -1,577         -1,146         -1,038         -1,041           Extraord./Min.Int/Pref.div.         -1         4         0         0         0           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted feBITDA	Dividend yield (%)	2.4	3.4	2.4	2.4	2.4
EPS reported         27.96         44.82         33.30         30.14         30.21           BVPS         98.09         131.93         157.06         179.04         201.09           DPS         7.00         10.01         7.00         7.00         7.00           Profit & Loss (R&M)	Per Share Data (Rs)					
BVPS         98.09         131.93         157.06         179.04         201.09           Profit & Loss (RsM)         7.00         7.00         7.00         7.00         7.00           Profit & Loss (RsM)         3.0734         47.498         35.042         43.798         52.553           Operating expenses         -27.395         42.309         -30.444         -38.902         47.232           EBT         3.339         5.190         4.598         4.895         5.321           Non-operating/exceptionals         250         223         128         128         128           Pre-tax profit         3.051         4.608         3.549         3.212         3.221           Tax         -1.037         -1.577         -1.146         -1.038         -1.041           Extraord.//in.Int./Pref.div.         -1         4         0         0         0           Reported net income         2.013         3.234         2.403         2.175         2.180           Adjusted EBTDA         3.442         5.363         4.801         5.146         5.611           Growth Rates (%)         Sales         5.9.2         54.5         -10.5         7.2         9.1           EBTDA adju	EPS adjusted	27.96	44.82	33.30	30.14	30.21
DPS         7.00         10.01         7.00         7.00           Profit & Loss (RsM)	EPS reported	27.96	44.82	33.30	30.14	30.21
Profit & Loss (RsM)           Net sales         30,734         47,498         35,042         43,798         52,553           Operating expenses         -27,395         42,309         -30,444         -38,902         47,232           EBIT         3,339         5,190         4,598         4,895         5,321           Net interest expense         -538         -605         -1,177         -1,811         -2,229           Non-operating/exceptionals         250         223         128         128         128           Pre-tax profit         3,051         4,808         3,549         3,212         3,221           Tax         -1,037         -1,577         -1,146         -1,038         -1,041           Extraord/Min.Int/Pref.div.         -1         4         0         0         0           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted         65.8         55.4         -11.4         6.5         8.7           EBIT adjusted         65.8         55.4         -11.4         6.5         8.7           EBIT adjusted         64.8         55.8         -10.5         7.2         9.1	BVPS	98.09	131.93	157.06	179.04	201.09
Net sales         30,734         47,498         35,042         43,798         52,553           Operating expenses         -27,395         -42,309         -30,444         -38,902         -47,232           EBIT         3,339         5,190         4,598         4,895         5,321           Non-operating/exceptionals         250         223         128         128         128           Pre-tax profit         3,051         4,608         3,549         3,212         3,221           Tax         -1,037         -1,577         -1,146         -1,038         -1,041           Extraord/Min.Int/Pref.div.         -1         4         0         0         0           Reported net income         2,013         3,234         2,403         2,175         2,180           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted EBITDA         3,442         5,363         4,801         5,146         5,611           Growth Rates (%)         Stass         5,01         5,7         9,5         0,3           Cash Flow (RsM)         Operating cash flow         3,101         -2,130         -7,228         4,139         -6,643	DPS	7.00	10.01	7.00	7.00	7.00
Operating expenses         -27,395         42,309         -30,444         -38,902         47,232           EBIT         3,339         5,190         4,598         4,895         5,221           Net interest expense         -538         -605         -1,177         -1,811         -2,229           Pre-tax profit         3,051         4,808         3,549         3,212         3,221           Tax         -1,037         -1,577         -1,146         -1,038         -1,041           Extraord/Min.Int/Pref.div.         -1         4         0         0         0           Reported net income         2,013         3,234         2,403         2,175         2,180           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted EBITDA         3,442         5,363         4,801         5,146         5,611           Growth Rates (%)         -         -         -         -         2,000         EBIT adjusted         66.8         55.4         -11.4         6.5         8.7           Ballos Cond         7.4         60.3         -25.7         -9.5         0.3         Cash Flow (RsM)         0         0         0         0 <td>Profit &amp; Loss (RsM)</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Profit & Loss (RsM)					
EBIT         3,339         5,190         4,598         4,895         5,321           Net interest expense         -538         -605         -1,177         -1,811         -2,229           Non-operating/exceptionals         250         223         128         128         128           Pre-tax profit         3,051         4,808         3,549         3,212         3,221           Tax         -1,037         -1,577         -1,146         -1,038         -1,041           Extraord/Min.Int/Pref.div.         -1         4         0         0         0           Reported net income         2,013         3,234         2,403         2,175         2,180           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted EBITDA         3,442         5,363         4,801         5,146         5,611           Growth Rates (%)         Sales         59.2         54.5         -26.2         25.0         20.0           EBIT adjusted         66.8         55.8         -10.5         7.2         9.1           EPS adjusted         74.4         60.3         -25.7         -9.5         0.3           Depreciation/amotization	Net sales	30,734	47,498	35,042	43,798	52,553
Net interest expense         -538         -605         -1,177         -1,811         -2,229           Non-operating/exceptionals         250         223         128         128         128           Pre-tax profit         3,051         4,808         3,549         3,212         3,221           Tax         -1,037         -1,1577         -1,146         -1,038         -1,041           Extraord./Min.Int./Pref.div.         -1         4         0         0         0           Reported net income         2,013         3,234         2,403         2,175         2,180           Adjusted EBITDA         3,442         5,363         4,801         5,146         5,611           Growth Rates (%)         Sales         59.2         54.5         -26.2         25.0         20.0           EBITDA adjusted         66.8         55.4         -11.4         6.5         8.7         21.7         2.9         9.1           Sales         59.2         54.5         -26.2         25.0         20.0         22.0         20.0         23.0         25.7         9.5         0.3         23.0         25.7         9.5         0.3         23.0         25.7         9.5         0.3         23.16 <td>Operating expenses</td> <td>-27,395</td> <td>-42,309</td> <td>-30,444</td> <td>-38,902</td> <td>-47,232</td>	Operating expenses	-27,395	-42,309	-30,444	-38,902	-47,232
Non-operating/exceptionals         250         223         128         128         128           Pre-tax profit         3,051         4,808         3,549         3,212         3,221           Tax         -1,037         -1,577         -1,146         -1,038         -1,041           Extraord/Min.Int//Pref.div.         -1         4         0         0         0           Reported net income         2,013         3,234         2,403         2,175         2,180           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted EBITDA         3,442         5,363         4,801         5,146         5,611           Growth Rates (%)         S         S         -26.2         25.0         20.0           EBIT adjusted         64.8         55.8         -10.5         7.2         9.1           EPS adjusted         74.4         60.3         -25.7         -9.5         0.3           Depreciation/amortization         103         173         203         250         290           Net King cash flow <b>3629</b>	EBIT	3,339	5,190	4,598	4,895	5,321
Pre-tax profit         3,051         4,808         3,549         3,212         3,221           Tax         -1,037         -1,577         -1,146         -1,038         -1,041           Extraord./Min.Int./Pref.div.         -1         4         0         0         0           Reported net income         2,013         3,234         2,403         2,175         2,180           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted EBITDA         3,442         5,363         4,801         5,146         5,611           Growth Rates (%)         S         5         2,25.0         20.00         200           Depreciation/amortization         103         173         203         250         290           Net working capital         180         -7,060         -10,064         -6,772         -9,142           Investing cash flow <td>Net interest expense</td> <td>-538</td> <td>-605</td> <td>-1,177</td> <td>-1,811</td> <td>-2,229</td>	Net interest expense	-538	-605	-1,177	-1,811	-2,229
Tax         -1,037         -1,577         -1,146         -1,038         -1,041           Extraord./Min.Int./Pref.div.         -1         4         0         0         0           Reported net income         2,013         3,234         2,403         2,175         2,180           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted EBITDA         3,442         5,363         4,801         5,146         5,611           Growth Rates (%)         54.5         -26.2         25.0         20.0           EBITD A adjusted         66.8         55.4         -11.4         6.5         8.7           EBITDA adjusted         64.8         55.8         -10.5         7.2         9.1           EPS adjusted         74.4         60.3         -25.7         -9.5         0.3           Cash Fiow (RSM)         0         0         2030         250         290           Net working capital         180         -7,060         -10,064         -6,772         -9,142           Investing cash flow         -629         -1,455         -4,718         -23,316         -16,175           Capital expenditure         -629         -1,455 </td <td>Non-operating/exceptionals</td> <td>250</td> <td>223</td> <td>128</td> <td>128</td> <td>128</td>	Non-operating/exceptionals	250	223	128	128	128
Extraord./Min.Int/Pref.div.         -1         4         0         0         0           Reported net income         2,013         3,234         2,403         2,175         2,180           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted EBITDA         3,442         5,363         4,601         5,146         5,611           Growth Rates (%)	Pre-tax profit	3,051	4,808	3,549	3,212	3,221
Reported net income         2,013         3,234         2,403         2,175         2,180           Adjusted earnings         2,013         3,234         2,403         2,175         2,180           Adjusted EBITDA         3,442         5,363         4,801         5,146         5,611           Growth Rates (%)         Sales         59.2         54.5         -26.2         25.0         20.0           Sales         59.2         54.5         -26.2         25.0         20.0         20.1           EBIT adjusted         65.8         55.4         -11.4         6.5         8.7           EBIT DA adjusted         64.8         55.8         -10.5         7.2         9.1           EPS adjusted         74.4         60.3         -25.7         -9.5         0.3           Cash Flow (RsM)         0         -7.060         -10.064         -6.772         9.142           Investing cash flow         -629         -1,455         -4,718         -23,316         -16,175           Capital expenditure         -629         -1,455         -4,718         -23,316         -16,175           Acquisitions/disposals         0         0         0         0         0         0	Тах	-1,037	-1,577	-1,146	-1,038	-1,041
Adjusted earnings       2,013       3,234       2,403       2,175       2,180         Adjusted EBITDA       3,442       5,363       4,801       5,146       5,611         Growth Rates (%)       Sales       59.2       54.5       -26.2       25.0       20.0         EBIT adjusted       65.8       55.4       -11.4       6.5       8.7         EBITDA adjusted       64.8       55.8       -10.5       7.2       9.1         EPS adjusted       74.4       60.3       -25.7       -9.5       0.3         Cash Flow (RSM)       0       -7,028       -4,139       -6,463         Depreciation/amortization       103       173       203       250       290         Net working capital       180       -7,060       -10,064       -6,772       -9,142         Investing cash flow       -629       -1,455       -4,718       -23,316       -16,175         Acquisitions/disposals       0       0       0       0       0         Borrowings       985       5,912       10,708       21,922       22,137         Borrowings       985       5,029       1,553       1,480       1,480         Dividends paid       -5	Extraord./Min.Int./Pref.div.	-1	4	0	0	0
Adjusted EBITDA       3,442       5,363       4,801       5,146       5,611         Growth Rates (%)       59.2       54.5       -26.2       25.0       20.0         EBIT adjusted       65.8       55.4       -11.4       6.5       8.7         EBITDA adjusted       64.8       55.8       -10.5       7.2       9.1         EPS adjusted       74.4       60.3       -25.7       -9.5       0.3         Cash Flow (RsM)       0       -7,020       -7,228       -4,139       -6,463         Depreciation/amortization       103       173       203       250       290         Net working capital       180       -7,060       -10,064       -6,772       -9,142         Investing cash flow       -629       -1,455       -4,718       -23,316       -16,175         Capuisitions/disposals       0       0       0       0       0       0         Borrowings       985       5,299       10,553       21,394       21,480         Dividends paid       -590       -842       -589       -589       -589         Change in cash       2,868       1,427       -1,238       -5,533       -501         Balance Sheet (	Reported net income	2,013	3,234	2,403	2,175	2,180
Growth Rates (%)         Sales         59.2         54.5         -26.2         25.0         20.0           EBIT adjusted         65.8         55.4         -11.4         6.5         8.7           EBITDA adjusted         64.8         55.8         -10.5         7.2         9.1           EPS adjusted         74.4         60.3         -25.7         -9.5         0.3           Cash Flow (RsM)         Operating cash flow         3,101         -2,130         -7,228         -4,139         -6,463           Depreciation/amortization         103         173         203         250         290           Net working capital         180         -7,060         -10,064         -6,772         -9,142           Investing cash flow         -629         -1,455         -4,718         -23,316         -16,175           Acquisitions/disposals         0         0         0         0         0           Dividends paid         -590         -842         -589         -589         -589           Change in cash         2,868         1,427         -1,238         -5,533         -501           Balance Sheet (RSM)         Total assets         38,006         54,006         61,997         89,535	Adjusted earnings	2,013	3,234	2,403	2,175	2,180
Sales         59.2         54.5         -26.2         25.0         20.0           EBIT adjusted         65.8         55.4         -11.4         6.5         8.7           EBT adjusted         64.8         55.8         -10.5         7.2         9.1           EPS adjusted         74.4         60.3         -25.7         -9.5         0.3           Cash Flow (RsM)         Operating cash flow         3,101         -2,130         -7,228         -4,139         -6,463           Depreciation/amortization         103         173         203         250         290           Net working capital         180         -7,060         -10,064         -6,772         -9,142           Investing cash flow         -629         -1,455         -4,718         -23,316         -16,175           Acquisitions/disposals         0         0         0         0         0           Dividends paid         -590         -842         -589         -589         -589           Change in cash         2,868         1,427         -1,238         -5,533         -501           Balance Sheet (RSM)         Total assets         38,006         54,006         61,997         89,535         114,327	Adjusted EBITDA	3,442	5,363	4,801	5,146	5,611
EBIT adjusted         65.8         55.4         -11.4         6.5         8.7           EBITDA adjusted         64.8         55.8         -10.5         7.2         9.1           EPS adjusted         74.4         60.3         -25.7         -9.5         0.3           Cash Flow (RsM)	Growth Rates (%)					
EBITDA adjusted         64.8         55.8         -10.5         7.2         9.1           EPS adjusted         74.4         60.3         -25.7         -9.5         0.3           Cash Flow (RsM)	Sales	59.2	54.5	-26.2	25.0	20.0
EPS adjusted         74.4         60.3         -25.7         -9.5         0.3           Cash Flow (RsM)         Operating cash flow         3,101         -2,130         -7,228         -4,139         -6,463           Depreciation/amortization         103         173         203         250         290           Net working capital         180         -7,060         -10,064         -6,772         -9,142           Investing cash flow         -629         -1,455         -4,718         -23,316         -16,175           Capital expenditure         -629         -1,455         -4,718         -23,316         -16,175           Acquisitions/disposals         0         0         0         0         0         0           Financing cash flow         396         5,012         10,708         21,922         22,137           Borrowings         985         5,299         10,553         21,394         21,480           Dividends paid         -590         -842         -589         -589         Change in cash         2,868         1,427         -1,238         -5,533         -501           Balance Sheet (RsM)         Total assets         38,006         54,006         61,997         89,535         114,3	EBIT adjusted	65.8	55.4	-11.4	6.5	8.7
Cash Flow (RsM)           Operating cash flow         3,101         -2,130         -7,228         -4,139         -6,463           Depreciation/amortization         103         173         203         250         290           Net working capital         180         -7,060         -10,064         -6,772         -9,142           Investing cash flow         -629         -1,455         -4,718         -23,316         -16,175           Capital expenditure         -629         -1,455         -4,718         -23,316         -16,175           Acquisitions/disposals         0         0         0         0         0         0           Financing cash flow         396         5,012         10,708         21,922         22,137           Borrowings         985         5,299         10,553         21,394         21,480           Dividends paid         -590         -842         -589         -589         -589           Change in cash         2,868         1,427         -1,238         -5,533         -501           Balance Sheet (RsM)         Total assets         38,006         54,006         61,997         89,535         114,327           Cash & cash equivalent         9,019         <	EBITDA adjusted	64.8	55.8	-10.5	7.2	9.1
Operating cash flow3,101-2,130-7,228-4,139-6,463Depreciation/amortization103173203250290Net working capital180-7,060-10,064-6,772-9,142Investing cash flow-629-1,455-4,718-23,316-16,175Capital expenditure-629-1,455-4,718-23,316-16,175Acquisitions/disposals00000Financing cash flow3965,01210,70821,92222,137Borrowings9855,29910,55321,39421,480Dividends paid-590-842-589-589-589Change in cash2,8681,427-1,238-5,533-501Balance Sheet (RsM)710,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)11.211.313.711.710.7ROIC adjusted31.739.023.017.95.8Net debt to equity </td <td>EPS adjusted</td> <td>74.4</td> <td>60.3</td> <td>-25.7</td> <td>-9.5</td> <td>0.3</td>	EPS adjusted	74.4	60.3	-25.7	-9.5	0.3
Depreciation/amortization         103         173         203         250         290           Net working capital         180         -7,060         -10,064         -6,772         -9,142           Investing cash flow         -629         -1,455         -4,718         -23,316         -16,175           Capital expenditure         -629         -1,455         -4,718         -23,316         -16,175           Acquisitions/disposals         0         0         0         0         0         0           Financing cash flow         396         5,012         10,708         21,922         22,137           Borrowings         985         5,299         10,553         21,394         21,480           Dividends paid         -590         -842         -589         -589         -589           Change in cash         2,868         1,427         -1,238         -5,533         -501           Balance Sheet (RSM)         Total assets         38,006         54,006         61,997         89,535         114,327           Cash & cash equivalent         9,019         10,449         9,211         3,678         3,177           Accounts receivable         19,803         31,580         35,024         43,	Cash Flow (RsM)					
Net working capital         180         -7,060         -10,064         -6,772         -9,142           Investing cash flow         -629         -1,455         -4,718         -23,316         -16,175           Capital expenditure         -629         -1,455         -4,718         -23,316         -16,175           Acquisitions/disposals         0         0         0         0         0         0         0           Financing cash flow         396         5,012         10,708         21,922         22,137           Borrowings         985         5,299         10,553         21,394         21,480           Dividends paid         -590         -842         -589         -589         -589           Change in cash         2,868         1,427         -1,238         -5,533         -501           Balance Sheet (RsM)         Total assets         38,006         54,006         61,997         89,535         114,327           Cash & cash equivalent         9,019         10,449         9,211         3,678         3,177           Accounts receivable         19,803         31,580         35,024         43,776         52,527           Net fixed assets         1,557         2,840         7,35	Operating cash flow	3,101	-2,130	-7,228	-4,139	-6,463
Investing cash flow-629-1,455-4,718-23,316-16,175Capital expenditure-629-1,455-4,718-23,316-16,175Acquisitions/disposals00000Financing cash flow3965,01210,70821,92222,137Borrowings9855,29910,55321,39421,480Dividends paid-590-842-589-589-589Change in cash2,8681,427-1,238-5,533-501Balance Sheet (RsM)Total assets38,00654,00661,99789,535114,327Cash & cash equivalent9,01910,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Depreciation/amortization	103	173	203	250	290
Capital expenditure-629-1,455-4,718-23,316-16,175Acquisitions/disposals00000Financing cash flow3965,01210,70821,92222,137Borrowings9855,29910,55321,39421,480Dividends paid-590-842-589-589-589Change in cash2,8681,427-1,238-5,533-501Balance Sheet (RsM)77,1233,6783,177Cash & cash equivalent9,01910,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Net working capital	180	-7,060	-10,064	-6,772	-9,142
Acquisitions/disposals00000Financing cash flow3965,01210,70821,92222,137Borrowings9855,29910,55321,39421,480Dividends paid-590-842-589-589-589Change in cash2,8681,427-1,238-5,533-501Balance Sheet (RsM)Total assets38,00654,00661,99789,535114,327Cash & cash equivalent9,01910,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Investing cash flow	-629	-1,455	-4,718	-23,316	-16,175
Financing cash flow3965,01210,70821,92222,137Borrowings9855,29910,55321,39421,480Dividends paid-590-842-589-589-589Change in cash2,8681,427-1,238-5,533-501Balance Sheet (RsM)Total assets38,00654,00661,99789,535114,327Cash & cash equivalent9,01910,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Capital expenditure	-629	-1,455	-4,718	-23,316	-16,175
Borrowings9855,29910,55321,39421,480Dividends paid-590-842-589-589-589Change in cash2,8681,427-1,238-5,533-501Balance Sheet (RsM)Total assets38,00654,00661,99789,535114,327Cash & cash equivalent9,01910,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8		0	0	0	0	0
Dividends paid-590-842-589-589-589Change in cash2,8681,427-1,238-5,533-501Balance Sheet (RsM)Total assets38,00654,00661,99789,535114,327Cash & cash equivalent9,01910,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Financing cash flow	396	5,012	10,708	21,922	22,137
Change in cash2,8681,427-1,238-5,533-501Balance Sheet (RsM)Total assets38,00654,00661,99789,535114,327Cash & cash equivalent9,01910,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8			5,299	10,553	21,394	21,480
Balance Sheet (RsM)           Total assets         38,006         54,006         61,997         89,535         114,327           Cash & cash equivalent         9,019         10,449         9,211         3,678         3,177           Accounts receivable         19,803         31,580         35,024         43,776         52,527           Net fixed assets         1,557         2,840         7,354         30,420         46,305           Total liabilities         30,914         43,967         49,400         74,234         96,189           Accounts payable         11,028         16,274         11,378         14,580         17,710           Total Debt         8,075         13,373         23,926         45,320         66,800           Shareholders' funds         7,092         10,039         12,597         15,300         18,138           Profitability/Solvency Ratios (%)         E         E         BITDA margin adjusted         11.2         11.3         13.7         11.7         10.7           ROIC adjusted         25.5         24.4         13.0         7.9         5.8           Net debt to equity         -13.3         29.1         116.8         272.2         350.8	Dividends paid	-590		-589	-589	-589
Total assets38,00654,00661,99789,535114,327Cash & cash equivalent9,01910,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8		2,868	1,427	-1,238	-5,533	-501
Cash & cash equivalent9,01910,4499,2113,6783,177Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Balance Sheet (RsM)					
Accounts receivable19,80331,58035,02443,77652,527Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Total assets	38,006	54,006	61,997	89,535	114,327
Net fixed assets1,5572,8407,35430,42046,305Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Cash & cash equivalent	9,019	10,449	9,211	3,678	3,177
Total liabilities30,91443,96749,40074,23496,189Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Accounts receivable		31,580	35,024	43,776	52,527
Accounts payable11,02816,27411,37814,58017,710Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Net fixed assets	1,557	2,840	7,354	30,420	46,305
Total Debt8,07513,37323,92645,32066,800Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Total liabilities	30,914	43,967	49,400	74,234	96,189
Shareholders' funds7,09210,03912,59715,30018,138Profitability/Solvency Ratios (%)EBITDA margin adjusted11.211.313.711.710.7ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Accounts payable	11,028	16,274	11,378	14,580	17,710
Profitability/Solvency Ratios (%)           EBITDA margin adjusted         11.2         11.3         13.7         11.7         10.7           ROE adjusted         31.7         39.0         23.0         17.9         15.9           ROIC adjusted         25.5         24.4         13.0         7.9         5.8           Net debt to equity         -13.3         29.1         116.8         272.2         350.8	Total Debt	8,075	13,373	23,926	45,320	66,800
EBITDA margin adjusted11.211.313.711.710.7ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Shareholders' funds	7,092	10,039	12,597	15,300	18,138
ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	Profitability/Solvency Ratios (%)					
ROE adjusted31.739.023.017.915.9ROIC adjusted25.524.413.07.95.8Net debt to equity-13.329.1116.8272.2350.8	EBITDA margin adjusted	11.2	11.3	13.7	11.7	10.7
ROIC adjusted         25.5         24.4         13.0         7.9         5.8           Net debt to equity         -13.3         29.1         116.8         272.2         350.8	ROE adjusted	31.7	39.0	23.0	17.9	15.9
Net debt to equity         -13.3         29.1         116.8         272.2         350.8	-					
· ·	-				272.2	
	Total debt to capital	53.2	57.1	65.5	74.8	78.6

For further data queries on Citi's full coverage universe please contact CIRA Data Services Asia Pacific at CIRADataServicesAsiaPacific@citi.com or +852-2501-2791



#### Figure 1. BGRL 2QFY12 Results Review

Year End Mar31 (Rsmn)	Q111	Q112	Q211	Q212	Q212E
Backlog	93,971	75,000	105,000	72,564	na
Total Sales	9,054	7,312	11,337	7,706	10,203
% growth YoY	191.1%	-19.2%	143.3%	-32.0%	-10.0%
EBITDA	1,025	931	1,304	1,093	1,296
EBITDA margin%	11.3%	12.7%	11.5%	14.2%	12.7%
Change bps	(225)	141	(80)	267	119
Depreciation	(31)	(37)	(33)	(40)	(39)
EBIT	994	894	1,272	1,053	1,257
EBIT margin%	11.0%	12.2%	11.2%	13.7%	12.3%
Financial Expenses	(116)	(180)	(138)	(302)	(210)
Other Income	26	0	26	0	0
Other Operating Income	12	30	19	9	37
РВТ	917	743	1,178	761	1,084
Tax Expense	(312)	(241)	(400)	(247)	(358)
Tax Rate %	34.0%	32.4%	34.0%	32.5%	33.0%
PAT	605	503	778	514	726

Source: Company and Citi Investment Research and Analysis estimates

#### Figure 2. BGRL – Deteriorating Balance Sheet

Year End Mar31 (Rsmn)	1HFY10	FY10	1HFY11	FY11	1HFY12
Debtor Days of Sales	300	235	258	243	478
(NCA – Cash) Days of Sales	112	73	119	103	289
D/E	1.4	1.3	1.7	1.4	2.2
Net Debt/ Equity	(0.2)	(0.1)	0.7	0.4	1.3

Source: Citi Investment Research and Analysis

#### Figure 3. BGRL – Cash Flow From Operations

Year End Mar31 (Rsmn)	1HFY11	1HFY12
PAT	1,383	1,016
Depreciation	64	77
Change in DTL	294	187
Change in WC	(7,141)	(10,353)
CFO	(5,400)	(9,073)

Source: Citi Investment Research and Analysis

#### Figure 4. BGRL EPS – CIRA vs. Consensus

	FY12E	FY13E	FY14E
CIRA	33.30	30.14	30.21
Consensus	45.60	46.70	44.40
Change	-27%	-35%	-32%

Source: Bloomberg and CIRA estimates

### Figure 5. BGRL Earnings Revision

Year End Mar31 (Rsmn)	FY12E	FY13E	FY14E
Sales			
Old	41,915	52,389	62,862
New	35,042	43,798	52,553
Change	-16.4%	-16.4%	-16.4%
EBITDA			
Old	5,196	5,981	6,511
New	4,801	5,146	5,611
Change	-7.6%	-14.0%	-13.8%
Margin %			
Old	12.4%	11.4%	10.4%
New	13.7%	11.7%	10.7%
Change	130	33	32
PAT			
Old	2,897	3,168	3,297
New	2,403	2,175	2,180
Change	-17.1%	-31.4%	-33.9%
EPS			
Old	40.15	43.90	45.68
New	33.30	30.14	30.21
Change	-17.1%	-31.4%	-33.9%

Source: Citi Investment Research and Analysis estimates

# **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 rate BGR Energy Sell/High Risk. As India's Infrastructure and Industrial capex decelerated from FY09 ownwards, the overall opportunity pie growth has not kept pace with 1) the rise of multiple new players across subsectors; 2) influx of Koreans and Chinese in India; and 3) companies bidding and diversifying across subsectors. Over the last year problems have compounded in the power EPC, BTG and BOP markets on account of: 1) Coal India's production cuts putting the power sector's growth in jeopardy; 2) Deteriorating SEB finances leading to question marks about payment security; and 3) Since SEB finances are deteriorating, it is not picking up enough power and resorting to load shedding. This has led to a correction in merchant prices. Even if orders rebound we expect margins to decline structurally going forward and BGRL with its weak balance sheet could find the going tough.

### Valuation

Our Rs241 target price is based on a target P/E multiple of 8x Mar13E EPS (BGRL has traded in a P/E multiple band of 4x to 58x post listing) which is at a discount to the historical average P/E multiple of 14x given (1) structurally declining RoEs from 39% in FY11 to 16% by FY14E (2) EPS decline of 12% over FY11-14E v/s 55% growth over FY08-11 and (3) similar to FY11 we expect the operating cash flows to be negative over the next 3 years.

## Risks

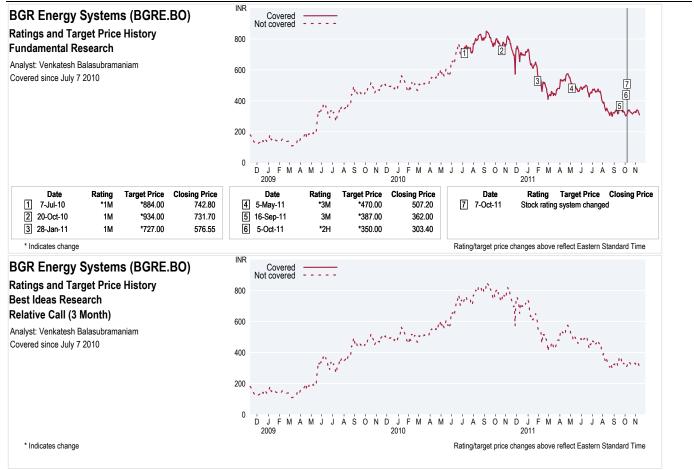
We rate BGR Energy High Risk due to increasing competitive intensity in the industry and concerns about future order inflows, key downside risks to our target price. Key upside risks to our target price include: (1) Better-than-expected order inflows; (2) Better-than-expected margins; (3) Better-than-expected execution.

# Appendix A-1

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, ,	12 Month Rating			Relative Rating		
Data current as of 9 Oct 2011	Buy	Hold	Sell	Buy	Hold	Sell
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# **Citigroup Global Markets**

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45%

42%

37%

50%

43%

46%

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