

Shasun Chemicals Ltd

Buy

CMP: Rs 101
**Target Price: Rs 145
(18 Months)**
Sarabjit Kour Nangra

Tel: 022 - 4040 3800 Ext: 343

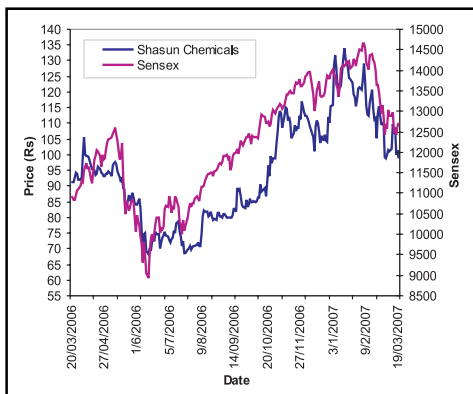
E-mail: sarabjit@angeltrade.com

Stock Info

| | |
|--------------------|-----------------|
| Sector | Pharmaceuticals |
| Market Cap (Rs cr) | 486 |
| Beta | 0.8 |
| 52 Week High / Low | 136/60 |
| Avg Daily Volume | 73071 |
| Face Value (Rs) | 2 |
| BSE Sensex | 12,946 |
| Nifty | 3,765 |
| BSE Code | 524552 |
| NSE Code | SHASUNCHEM |
| Reuters Code | SHAS.BO |
| Bloomberg Code | SSCD IN |

Shareholding Pattern (%)

| | |
|-------------------------|------|
| Promoters | 42.7 |
| MF / Banks / Indian FIs | 16.9 |
| FII / NRIs / OCBs | 17.2 |
| Indian Public / Others | 23.2 |


Investment Argument

- In-organic growth initiative aids scale up CRAMS business:** During FY2007 Shasun acquired assets of Rhodia's Custom Synthesis business along with some propriety technologies. With sales of GBP 40 mn. the company has a pipeline of around 14 products in the Phase II-III stages and around 20 products in the preclinical to Phase-I of clinical trails.

The commercialisation of the product pipeline would aid long term growth of the segment. Further with this acquisition, CRAMS would contribute around 54.5% (FY2007E) of the sales of the company vis-à-vis 10.7% in FY2006.

- Generic Markets - New product launches to drive growth:** While earlier confined to few products in the API segment, company is now diversifying its product basket. Further the company plans to make its foray into formulation exports predominately into the Regulated markets; US and Europe.

For the same, the company has forged marketing alliance for 22 products with Glenmark Pharmaceuticals and Alpharma and expects USFDA approval of its facilities and launch of the products by H1 FY2008. However currently we have not factored in any major upsides from the formulation segment.

- Net Profit to register a CAGR of 24.3% during FY2006-09E:** For FY2006-09E company is expected to register a CAGR of 45.1% and 24.3% on the sales and Net Profit respectively. The growth during the period would be predominately lead by the CRAMS segment.

Valuations & Outlook:

At CMP the stock trades at 8.8x FY2008E and 7.0x FY2009E earnings. Acquisition of Rhodia's Custom Synthesis business has aided a significant ramp-up of its CRAMS business. Commercialisation of the product pipeline would aid scalability of its CRAMS business and trigger a re-rating in the stock. **We maintain our BUY on the stock with an 18-month price Target of Rs. 145.**

Key Financials (Consolidated)

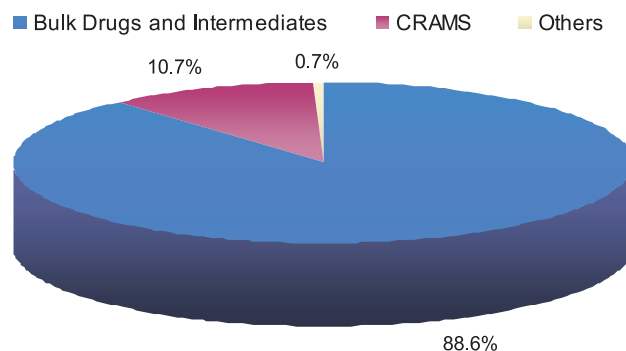
| Y/E March (Rs cr) | FY2006 | FY2007E | FY2008E | FY2009E |
|-------------------|--------------|--------------|--------------|----------------|
| Net Sales | 343.0 | 722.6 | 944.4 | 1,053.8 |
| % chg | 9.6 | 110.7 | 30.7 | 11.6 |
| Net Profit | 36.3 | 51.6 | 55.4 | 69.8 |
| % chg | 15.7 | 42.1 | 7.2 | 26.1 |
| EPS | 7.6 | 10.7 | 11.5 | 14.5 |
| EBITDA Margin (%) | 16.0 | 3.1 | 10.1 | 12.2 |
| P/E (x) | 13.4 | 9.4 | 8.8 | 7.0 |
| P/CEPS (x) | 8.2 | 6.2 | 5.5 | 4.5 |
| ROE (%) | 23.0 | 26.3 | 23.8 | 25.4 |
| ROCE (%) | 11.4 | - | 10.5 | 13.6 |
| P/BV (x) | 2.7 | 2.3 | 1.9 | 1.6 |
| EV/Sales (x) | 1.6 | 1.0 | 0.8 | 0.7 |
| EV/EBITDA (x) | 8.0 | 18.5 | 6.8 | 5.2 |

Source: Company, Angel Research

Company Background

Incorporated as a Bulk and Intermediaries manufacturer of Ibuprofen, company has undergone a successful transformation. Apart from reducing its dependence on Ibuprofen it has leveraged its relationships with the Innovator companies to strengthen its CRAMS segment. Further the company has significantly scaled up its nascent CRAMS business through acquisition of the Custom Synthesis business of Rhodia. On back of the initiatives taken, Management expects to end FY2008 with sales of Rs. 1000 cr.

Exhibit 1: Business Mix (FY2006)



Source: Company

CRAMS- Leveraging the relationship with the Innovators

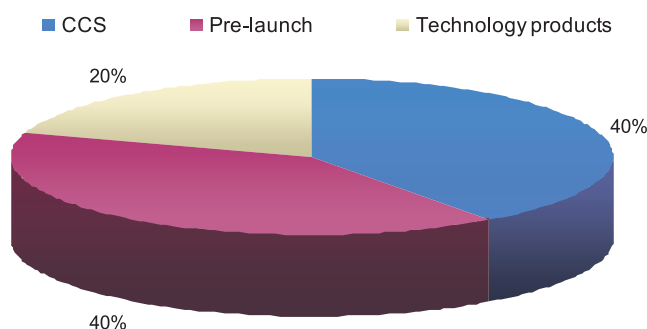
Leveraging its relationship with Innovators in the API segment, the company has made its in-roads into the CRAMS segment. Shasun Chemicals has been doing contract manufacturing for the Innovator. Overall CRAMS segment has grown at a CAGR of 45.5% during FY2002-06, contributing almost 10.7% of the overall sales of the company in FY2006. Currently the company has around 6 products in its standalone contract manufacturing segment. During the year the company has done validation sales for three products. The commercialization of these products along with the robust growth in the Custom Synthesis segment would aid company's standalone CRAMS segment to register a CAGR of 40% during FY2006-09E.

Acquisition of Rhodia's CCS business to provide scalability

During the earlier part of FY2007, Shasun Chemicals acquired assets of Rhodia's Custom Synthesis Business (now referred to as Shasun Pharma Solutions Ltd- SPSL) for less than Euro 3mn.. Along with the USFDA and MHRA approved Contract Manufacturing and Custom Synthesis manufacturing units, the acquisition also provided company access to propriety Technologies like HKR (Hydrolytic Kinetic Resolution), ABF (Aromatic Bond Formation), Trifluoro Methylation amongst others.

Rhodia's Custom Synthesis Business (a Euro 55 mn.) has aided company to significantly ramp-up its CRAMS business. While the acquisition has been an asset acquisition, the company has been able to retain almost 98% of the clientele base. Currently the SPSL business has around 12 products in the market and has a client base of around 55 Pharmaceutical companies and serves most 18 of the Top 20 Pharmaceutical companies along with Emerging Pharmaceutical companies. In terms of region, the company derives around 60% of its revenues through US markets.

Exhibit 2: Sales mix of Rhodia's Custom Synthesis Business (CY2005)



Source: Company

The acquisition has strengthened the Custom Synthesis pipeline of the company. Currently the company has a pipeline of around 20 products within preclinical to Phase-I and around 14 products between Phase II-III. Commercialisation of the pipeline would drive the long term growth of the company in the segment. At present, company expects one molecule to be at advanced stages of Phase-III and get into commercialized by the end of FY2008. Apart from this, the company has added 2 new contracts under its fold. During FY2008, company expects to supply validation batches for the same and commercialization of the same can be expected by FY2009.

Improved Capacity utilization to aid turnaround

While the company grossed sales of Euro 55 mn. with Gross Margins of around 65%, on the operating front the company has been incurring losses on back of low capacity utilization. For CY2005, the company posted a loss of Euro 9 mn. Company expects a gradual reduction in the losses and breakeven of SPSL operations by FY2008 backed by improved capacity utilization. Currently the plant operates at 40% capacity utilization. During FY2007 company expects to reduce losses backed by savings on raw material procurement and pension scheme front. The improvement on the operating front is evident from the quarterly performance. For 9 mth FY2007, the company has posted losses of around Rs. 36 cr. on the operating front on sales of Rs. 246 cr..

Exhibit 3: YTD FY2007 Financial Performance of SPSL (Rs cr)

| | Q1FY2007 | Q2FY2007 | Q3FY2007 |
|-----------------------|----------|----------|----------|
| Sales | 53.5 | 101.3 | 91.2 |
| EBDITA | (20.9) | (6.5) | (8.8) |
| Net Profit / (Loss) | 1.3 | 8.4 | 1.7 |

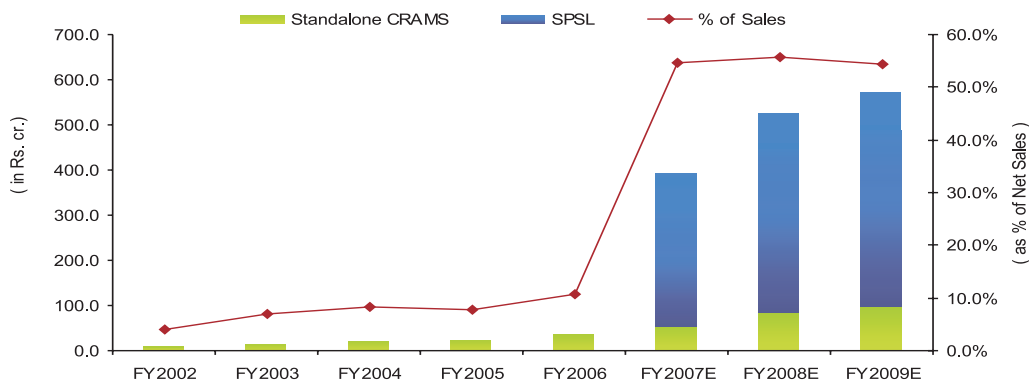
Source: Company

For FY2007, we expect SPSL to post sales of GBP 40 mn. with losses of GBP 4 mn. on the operating front (excluding the negative goodwill of GBP 7.5 mn. to be booked in FY2007). Rhodia business to breakeven in FY2008 backed by improved capacity utilization. Management expects new product launches to aid improvement in the plant capacity utilization to 70% in next 18 months.

CRAMS expected to register a CAGR of 20.6% in FY07-09E

On back of the current product pipeline, we expect the SPSL CRAMS segment to register a growth of 18.3% during FY2007-09E. Overall the CRAMS segment is expected to register a CAGR of 20.6% of during FY'07-09E, contributing around 54.4% of sales by FY2009.

Exhibit 4: Sales trend for CRAMS



Source: Company, Angel Research

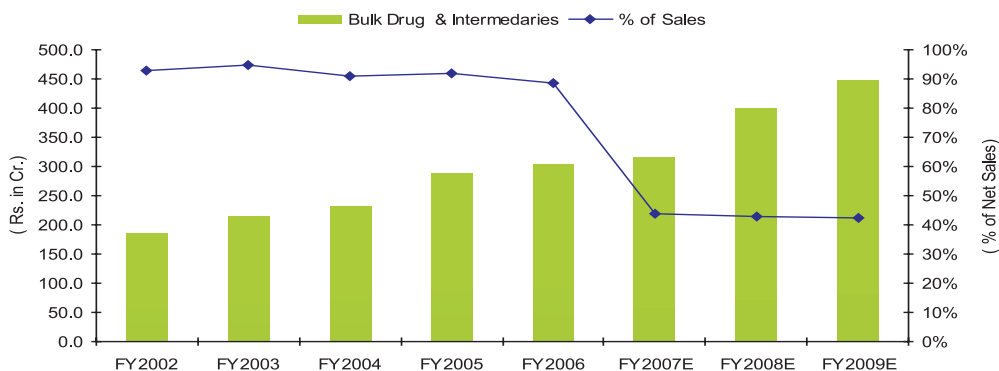
Generics- New product launches to drive growth

Company has been an early entrant into the contract manufacturing segment. However unlike its peers the focus of the company has been to supply the off-patent drugs directly to the Innovator companies. This has aided the company to emerge as a preferred manufacturing partner for innovators like Eli Lilly and Reliant Pharma. Currently majority of the company's revenues in the API segment are being accounted by direct sales to its customers. Long-term nature of these contracts has provided stability to the revenue stream of the company. Further for its key products like Ibuprofen and Nizatidine, company has significant market share providing overall stability to its revenue stream.

While earlier confined to a single product Ibuprofen, company has been diversifying its product profile. Its overall dependence on the product has reduced, as evident from the revenue stream of the company. From contributing around 80% of its overall revenues in FY'00 the product accounted for only 48.3% of its FY'06 sales mix. Other key products in the Contract manufacturing include Ranitidine and Nizatidine. Both these drugs, contribute around 33.7% of the overall sales of the company in FY2006.

During FY'07 the company started supplying Gabapentin API to US market after one of its customers got the product approval. During FY2007 for 7-months the product is expected to gross sales of around of Rs. 14 cr. During FY2008 company expects its second Customer to get approval for the product which would aid company gross sales of around Rs. 50cr. Overall the segment is expected to register a CAGR of 19% during FY2007-09E, contributing around 42.6% of the overall sales mix of the company.

Exhibit 5: Sales Trend of Bulk & Intermediaries



Source: Company, Angel Research

Alliance with innovators to provide stability

Gabapentin to drive growth during FY'07-08

While earlier confined to the API, the company is moving up the value-chain by entering into the formulation segment. The company plans to focus on the Formulation mainly in the Regulated markets. For the same, the company has already put up a new formulation facility in Chennai, with an outlay of Rs. 35cr. The facility has already received approval from MHRA (UK Regulatory Authority). The formulation plant have already been inspected by USFDA, an approval could be expected by August 2007.

Alliance with Alpharma & Glenmark for US generic markets

For US Market, the Company has entered into an alliance with Alpharma (Now Activas) and Glenmark for marketing of 22 products. Of these it has alliance for 10 products (with market size of more than 20 bn.) with Alpharma and 12 products (having cumulatively market size of around \$ 8 bn.) with Glenmark. According to the agreement, the products would be developed and commercialized by Shasun while the filings would be handled by the respective partners. The company would get the milestone payments for development of the products and would share the profits arising from the same with its partners.

So far YTD the company along with its partners has already done 3 ANDA filings, with around 7 ANDA's to be filed in FY2007. Company expects the USFDA approval of its facilities and launch of the products by H1FY2008. Thus any major upsides from the US generic markets would be visible through FY2009.

Overall Management expects the formulation segment to gross sales of around Rs. 30 cr. and Rs. 70-80 cr. by FY2008 and FY2009 respectively. Currently we have not factored in any significant upsides from the same.

Financials

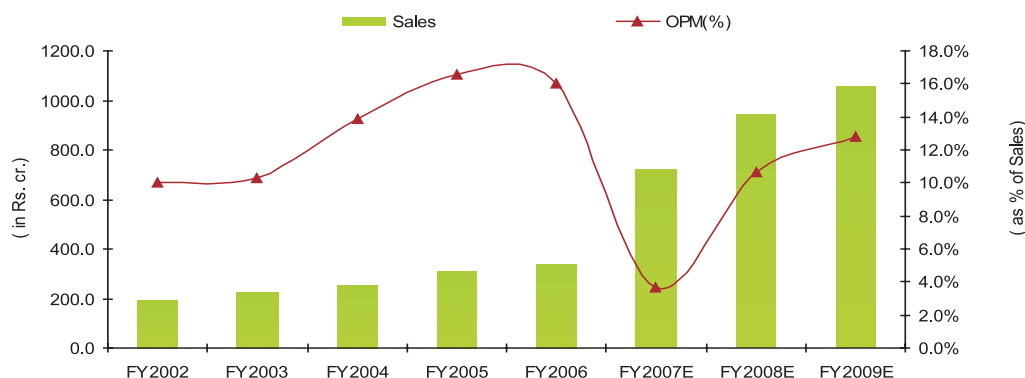
Sales expected to register a CAGR of 45.8% during FY2006-09

During FY2006-09, company is expected to log in a CAGR of 45.8% on the sales front, predominately led by the growth in the CRAMS segment. While the Standalone CRAMS is expected to log-in a growth of 40% for FY2006-09E, SPSL is expected to register a of 18.3% CAGR during FY2007-09E. With this CRAMS is expected to contribute around 54.4% of the overall sales of the company in FY2009 vis-à-vis 10.7% during FY2006.

On the operating front an improved business mix would aid the gross margins expand by almost 850 bps however the same would not be reflected on the operating front, on back of higher fixed cost at SPSL (currently the fixed costs constitutes around 85% of the sales). During FY2007, while SPSL, would contribute significantly to the Topline (almost 47% of the consolidated sales) losses in SPSL would impact the Operating margins. However going forward, we expect an improvement in the operating margins, on back of higher capacity utilization at SPSL and some reduction in the fixed costs.

Net Profit to register a CAGR of 24.3%

While we expect a gradual improvement in the performance of SPSL business, backed by higher capacity utilization. Overall we expect the operating profits to register a CAGR of 30.0% during FY2006-09E however the Net Profit growth is expected to be lower at 24.3% during the same period mainly on back of the high depreciation and Interest expenditure(on back of its Capex plans).

Exhibit 6: Sales and OPM Trend


Source: Company, Angel Research

Overall, the company is expected to invest around \$ 17 mn. over the next three years to enhance capacities and capabilities of the SPSL plant. Further in India, the company plans to enhance its API and Intermediary capacities to leverage the same for its Generics and CRAMS business. The company expects to incur capex of Rs. 80 cr. for the facility to be put up at Vizag SEZ. The company has already acquired the land for the same and expects the capex to be incurred during FY2008-09. The near term capex plans would lead to a higher Debt/Equity. We expect the Debt/Equity of the company to rise to around 1.1x in FY2009 from 0.4x in FY2006. Further, high capex and lower profitability at SPSL will impact the near term profitability of the company.

Exhibit 7: YTD FY2007 performance

| Y/E March (Rs cr) | Q3FY2007 | Q3FY2006 | % chg | 9MFY2007 | 9MFY2006 | % chg | 9MFY2007* |
|------------------------|-------------|-------------|--------|-------------|-------------|-------|-------------|
| Net Sales | 98.1 | 99.3 | (1.1) | 296.6 | 258.7 | 14.7 | 540.0 |
| Other Income | 1.2 | 0.2 | | 1.88 | 0.7 | | 52.7 |
| Total Income | 99.3 | 99.5 | (0.2) | 298.5 | 259.4 | 15.1 | 592.7 |
| PBIDT | 17.6 | 20.3 | (13.4) | 48.8 | 47.1 | 3.7 | 15.5 |
| OPM (%) | 18.0% | 20.5% | | 16.5% | 18.2% | | 2.9% |
| Interest | 1.6 | 1.3 | | 4.2 | 3.9 | | 6.5 |
| Dep & Amortisation | 6.7 | 6.1 | | 20.0 | 17.1 | | 20.6 |
| PBT | 10.4 | 13.2 | (20.7) | 26.5 | 26.8 | (1.1) | 41.1 |
| Provision for Taxation | 0.4 | 0.3 | | 2.5 | 3.4 | | 6.0 |
| Reported Net Profit | 10.0 | 12.9 | (22.3) | 24.0 | 23.4 | 2.6 | 35.1 |
| EPS (Rs) | 2.08 | 2.71 | | 4.98 | 5.03 | | 7.29 |

Source- Company Note- * Consolidated

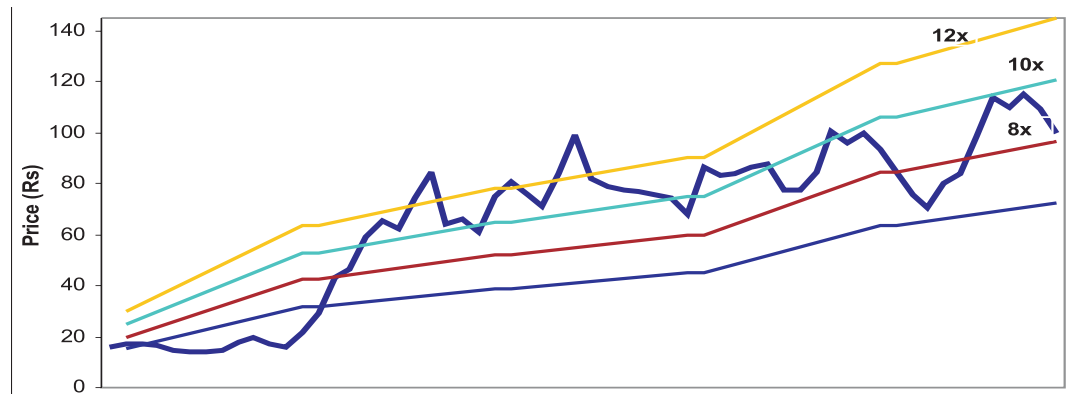
Concerns:

Delayed Turnaround of SPSL: SPSL which would contribute around 47% of the overall sales mix of the company (FY2007E). Thus any delayed turnaround of the same would have a significant bearing on the performance of the company.

Valuations & Outlook:

Acquisition of the Rhodia's Custom Synthesis business has aided a significant ramp up of the company's CRAMS business. Further the recent initiatives taken by the company to de-risk its Generic Space, would aid robust growth and reduce dependence on few products. On valuations front at CMP the stock trades at 8.8x FY2008E and 7.0x FY2009E earnings, at discount to its peers. While the current acquisition has aided significantly ram-up of its CARMS business, we believe scalability of the same would aid re-rating of the stock. Thus given the valuations, **we maintain our BUY recommendation on the stock with a 18-month price Target of Rs. 145.** At our Targeted Price the stock would trade at 10x FY2009E earnings, in line with its average P/Ex.

Exhibit 8: P/E Band



Source: Company, Angel Research

Profit & Loss Statement (Consolidated) Rs crore

| Y/E March | FY2006 | FY2007E | FY2008E | FY2009E |
|------------------------------|--------------|--------------|--------------|----------------|
| Net Sales | 343.0 | 722.6 | 944.4 | 1,053.8 |
| % chg | 9.6 | 110.7 | 30.7 | 11.6 |
| Total Expenditure | 288 | 700 | 849 | 925 |
| EBIDTA | 55.0 | 22.2 | 95.4 | 128.9 |
| (% of Net Sales) | 16.0 | 3.1 | 10.1 | 12.2 |
| Other Income | 16.4 | 79.7 | 32.5 | 22.9 |
| Depreciation & Amortisation | 23.1 | 26.2 | 33.0 | 37.3 |
| Interest | 5.3 | 11.1 | 19.2 | 23.0 |
| PBT | 42.9 | 64.6 | 75.6 | 91.5 |
| (% of Net Sales) | 12.5 | 8.9 | 8.0 | 8.7 |
| Extraordinary Expense/(Inc.) | - | - | - | - |
| Tax | 6.6 | 13.0 | 20.3 | 21.7 |
| (% of PBT) | 15.4 | 20.1 | 26.8 | 23.7 |
| PAT | 36.3 | 51.6 | 55.4 | 69.8 |
| % chg | 15.7 | 42.1 | 7.2 | 26.1 |

Balance Sheet (Consolidated) Rs crore

| Y/E March | FY2006 | FY2007E | FY2008E | FY2009E |
|----------------------------------|--------------|--------------|--------------|--------------|
| SOURCES OF FUNDS | | | | |
| Equity Share Capital | 9.6 | 9.6 | 9.6 | 9.6 |
| Reserves & Surplus | 170.2 | 203.8 | 241.4 | 287.9 |
| Shareholders Funds | 179.9 | 213.5 | 251.0 | 297.5 |
| Total Loans | 79.5 | 231.8 | 310.4 | 337.7 |
| Net Deferred Tax Liability | 20.8 | 24.9 | 31.8 | 36.1 |
| Total Liabilities | 280 | 470 | 593 | 671 |
| APPLICATION OF FUNDS | | | | |
| Gross Block | 291.4 | 359.4 | 452.1 | 510.7 |
| Less: Acc. Depreciation | 116.6 | 142.9 | 175.9 | 213.2 |
| Net Block | 174.7 | 216.6 | 276.2 | 297.5 |
| Provision for written down value | - | - | - | - |
| Capital Work-in-Progress | 2.2 | 3.1 | 4.9 | 4.0 |
| Investments | 5.9 | 29.9 | 29.9 | 29.9 |
| Current Assets | 170.6 | 352.1 | 450.2 | 526.8 |
| Current liabilities | 73.3 | 131.5 | 167.9 | 186.6 |
| Net Current Assets | 97.3 | 220.7 | 282.4 | 340.0 |
| Deferred Tax Asset | - | - | - | - |
| Total Assets | 280 | 470 | 593 | 671 |

Cash Flow Statement (Consolidated) Rs crore

| Y/E March | FY2006 | FY2007E | FY2008E | FY2009E |
|----------------------------------|---------------|----------------|---------------|-------------|
| Profit before tax | 42.9 | 64.6 | 75.6 | 91.5 |
| Depreciation | 23.1 | 26.2 | 33.0 | 37.3 |
| Change in Working Capital | 35.1 | 124.4 | 58.3 | 33.2 |
| Direct taxes paid | 6.3 | 8.8 | 13.4 | 17.4 |
| Cash Flow from Operations | 24.6 | (42.4) | 37.0 | 78.1 |
| Inc./ (Dec.) in Fixed Assets | 24.7 | 69.0 | 94.5 | 57.7 |
| Free Cash Flow | (0.1) | (111.4) | (57.5) | 20.5 |
| Inc./ (Dec.) in Investments | 5.7 | 24.0 | - | - |
| Issue of Equity | 0.5 | - | - | - |
| Inc./ (Dec.) in loans | (9.8) | 152.3 | 78.6 | 27.4 |
| Dividend Paid (Incl. Tax) | 9.3 | 13.0 | 14.2 | 18.0 |
| Others | (14.4) | 5.1 | 3.4 | 5.2 |
| Cash Flow from Financing | (10.0) | 110.3 | 60.9 | 4.2 |
| Inc./ (Dec.) in Cash | (10.1) | (1.1) | 3.4 | 24.6 |
| Opening Cash balances | 15.1 | 5.0 | 3.9 | 7.4 |
| Closing Cash balances | 5.0 | 3.9 | 7.4 | 32.0 |

Key Ratios (Consolidated)

| Y/E March | FY2006 | FY2007E | FY2008E | FY2009E |
|----------------------------|--------|---------|---------|---------|
| Per Share Data (Rs) | | | | |
| EPS | 7.6 | 10.7 | 11.5 | 14.5 |
| Cash EPS | 12.4 | 16.2 | 18.4 | 22.3 |
| DPS | 1.7 | 2.4 | 2.5 | 3.2 |
| Book Value | 37.4 | 44.4 | 52.2 | 61.9 |
| Operating Ratio (%) | | | | |
| Raw Material / Sales (%) | 52.7 | 45.1 | 45.1 | 43.8 |
| Inventory (days) | 47.2 | 70.5 | 66.6 | 66.3 |
| Debtors (days) | 96.4 | 76.6 | 76.4 | 77.2 |
| Debt / Equity (x) | 0.4 | 1.1 | 1.2 | 1.1 |
| Returns % | | | | |
| ROE | 23.0 | 26.3 | 23.8 | 25.4 |
| ROCE | 11.4 | - | 10.5 | 13.6 |
| Dividend Payout | 22.5 | 22.0 | 22.0 | 22.0 |
| Valuation Ratio (x) | | | | |
| PE | 13.4 | 9.4 | 8.8 | 7.0 |
| P/E (Cash EPS) | 8.2 | 6.2 | 5.5 | 4.5 |
| P/BV | 2.7 | 2.3 | 1.9 | 1.6 |
| EV / Sales | 1.6 | 1.0 | 0.8 | 0.8 |
| EV / EBITDA | 8.1 | 18.7 | 6.9 | 5.2 |

| | | |
|--|--|--|
| Fund Management & Investment Advisory(| (☎ 022 - 4040 3800 / 2835 9600) | |
| Rajen Shah | Chief Investment Officer | rajen@angeltrade.com |
| Ajay Jaiswal | Investment Strategist (Kolkata) | ajay.jaiswal@angeltrade.com |
| P. Phani Sekhar | Fund Manager | phani.sekhar@angeltrade.com |
| Prakarsh Gagdani | AVP- Investment Advisory | prakarsh@angeltrade.com |
| Research Team | (☎ 022 - 4040 3800 / 2835 9600) | |
| Sarabjit Kour Nangra | VP-Research, Pharmaceutical | sarabjit@angeltrade.com |
| Hitesh Agrawal | Cement, Metals, Media | hitesh.agrawal@angeltrade.com |
| Vaishali Jajoo | Automobile, Transportation | vaishali.jajoo@angeltrade.com |
| Harit Shah | IT, Telecom | harit.shah@angeltrade.com |
| Sarika Purohit Lohra | Banking | sarika.purohit@angeltrade.com |
| Rohit Nagraj | Oil & Gas | rohit.nagraj@angeltrade.com |
| Fasiha Shaikh | Textiles, Power | fasiha.shaikh@angeltrade.com |
| Kirti Dalvi | Capital Goods | kirti.dalvi@angeltrade.com |
| Surbhi Chawla | Aviation, Shipping | surbhi.chawla@angeltrade.com |
| Girish Solanki | Mid-Cap | girish.solanki@angeltrade.com |
| Dharmil Adhyaru | FMCG, Mid-Cap | dharmil.adhyaru@angeltrade.com |
| Sandeep Wagle | Chief Technical Analyst | sandeep@angeltrade.com |
| Rahul Khandelwal | Sr. Technical Analyst | rahul.khandelwal@angeltrade.com |
| Brijesh Ail | Technical Analyst | brijesh.ail@angeltrade.com |
| Rahul Randeria | Technical Analyst | rahul.randeria@angeltrade.com |
| Vaishnavi Jagtap | Technical Analyst (Helpdesk - Advisory) | vaishnavi.jagtap@angeltrade.com |
| Ravi Singhal | Technical Analyst (Helpdesk - Advisory) | ravi.singhal@angeltrade.com |
| Varsha Jajal | Technical Analyst (Helpdesk - Advisory) | varsha.jajal@angeltrade.com |
| Siddarth Bhamre | Derivative Analyst | siddarth.bhamre@angeltrade.com |
| Anisha Gupta | Jr. Derivative Analyst | anisha.gupta@angeltrade.com |
| Akshat Vyas | Research Associate (Pharmaceutical) | akshat.vyas@angeltrade.com |
| Alpesh Mehta | Research Associate (Banking) | alpesh.mehta@angeltrade.com |
| Anand Shah | Research Associate (Automobile) | anand.shah@angeltrade.com |
| Farzan Madon | Research Associate (Capital Goods) | farzan.madon@angeltrade.com |
| Reena Wallia | Research Associate (Oil & Gas) | reena.wallia@angeltrade.com |
| Amit Bagaria | Research Associate - PMS | amit.bagaria@angeltrade.com |
| Subhash Bagaria | Research Associate - Mutual Funds | subhash.bagaria@angeltrade.com |
| Commodities Research Team | | |
| Samson P | Sr. Technical Analyst | samsomp@angeltrade.com |
| P. V. Krishna Rao | Technical Analyst | krishna.rao@angeltrade.com |
| Girish Patki | Technical Analyst | girish.patki@angeltrade.com |
| Commodities Research Team - Metals & Energy | | |
| Harmit Virvadia | Research Analyst (Bullion) | harmit.virvadia@angeltrade.com |
| Bharat Patil | Production | bharat.patil@angeltrade.com |
| Vaishali Desai | Sr. Visualizer | vaishali@angeltrade.com |

Research & Investment Advisory: Acme Plaza, 3rd Floor 'A' wing, M.V. Road, Opp Sangam Cinema, Andheri (E), Mumbai - 400 059

Disclaimer

This document is not for public distribution and has been furnished to you solely for your information and must not be reproduced or redistributed to any other person. Persons into whose possession this document may come are required to observe these restrictions.

Opinion expressed is our current opinion as of the date appearing on this material only. While we endeavor to update on a reasonable basis the information discussed in this material, there may be regulatory, compliance, or other reasons that prevent us from doing so. Prospective investors and others are cautioned that any forward-looking statements are not predictions and may be subject to change without notice. Our proprietary trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein.

The information in this document has been printed on the basis of publicly available information, internal data and other reliable sources believed to be true and are for general guidance only. While every effort is made to ensure the accuracy and completeness of information contained, the company takes no guarantee and assumes no liability for any errors or omissions of the information. No one can use the information as the basis for any claim, demand or cause of action.

Recipients of this material should rely on their own investigations and take their own professional advice. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult their own advisors to determine the merits and risks of such an investment. Price and value of the investments referred to in this material may go up or down. Past performance is not a guide for future performance. Certain transactions - futures, options and other derivatives as well as non-investment grade securities - involve substantial risks and are not suitable for all investors. Reports based on technical analysis centers on studying charts of a stock's price movement and trading volume, as opposed to focusing on a company's fundamentals and as such, may not match with a report on a company's fundamentals.

We do not undertake to advise you as to any change of our views expressed in this document. While we would endeavor to update the information herein on a reasonable basis, Angel Broking, its subsidiaries and associated companies, their directors and employees are under no obligation to update or keep the information current. Also there may be regulatory, compliance, or other reasons that may prevent Angel Broking and affiliates from doing so. Prospective investors and others are cautioned that any forward-looking statements are not predictions and may be subject to change without notice.

Angel Broking Limited and affiliates, including the analyst who has issued this report, may, on the date of this report, and from time to time, have long or short positions in, and buy or sell the securities of the companies mentioned herein or engage in any other transaction involving such securities and earn brokerage or compensation or act as advisor or have other potential conflict of interest with respect to companies mentioned herein or inconsistent with any recommendation and related information and opinions.

Angel Broking Limited and affiliates may seek to provide or have engaged in providing corporate finance, investment banking or other advisory services in a merger or specific transaction to the companies referred to in this report, as on the date of this report or in the past.

| | | | |
|--------------------------|----------------------|--------------------|------------------------|
| Ratings (Returns) | Buy > 15%, | Hold 0-15%, | Sell < - 10% |
|--------------------------|----------------------|--------------------|------------------------|

| | | |
|-------------------------------|---|---|
| | | e-mail : feedback@angeltrade.com |
| Corporate & Marketing Office | : 612, Acme Plaza, M.V. Road, Opp Sangam Cinema, Andheri (E), Mumbai - 400 059 | Tel : (022) 4000 3600 / 2835 9600 |
| Wealth Management | : e-mail : wmshelpdesk@angeltrade.com | Tel : (022) 4000 3945 / 3900 |
| Investment Advisory Helpdesk | : e-mail : advisory@angeltrade.com | Tel : (022) 4040 3800 |
| Commodities | : e-mail : commodities@angeltrade.com | Tel : (022) 4000 3900 / 01 |
| Brand Promotion & PR Helpdesk | : e-mail : brandpromotion@angeltrade.com | Tel : (022) 4000 3600 |
| Customer Helpdesk | : e-mail : feedback@angeltrade.com | Tel : (022) 2835 5000 |

Regional Offices:

| | | | |
|---|---|---|--|
| Ahmedabad - Harshit Bhavsar 101, Mahalay Complex, Opp. Hotel President Off. C.G. Road, Ahmedabad - 380 009 Tel: (079) 3007 0749 - 751 | Hyderabad - Shiva Shankar Osman Plaza, 6-3-352, 3rd Floor Rd No - 1, Banjara Hills, Hyderabad - 500 001 Tel: (040) 6673 3573 / 74 | Kolkata - Vijay Kothari Lords, 1st Floor, Suite No. 106 & 108 7/1, Lord Sinha Road, Kolkata - 700 071 Tel: (033) 4009 9899 | Pune - Sunita Magnani 2nd Floor, Dealing Chambers Above Portico Restaurant, J.M.Road Pune - 411 005 Tel: (020) 2553 0912 |
| Bangalore - Ameet Pandit N0.92, Basement, Kedia Arcade, Infantry Road, Bangalore - 560 001 Tel: (080) 4153 6700 - 03 | Indore - Rohit Pateria UG No. 16 - 19, Commerce House 7 - Race Course Road, Indore - 452 003 Tel: (0731) 3013 360 - 65 | Mumbai - Pankaj Mungre 712-B, Acme Plaza, M. V. Road, Opp. Sangam Cinema, Andheri (E), Mumbai - 400 059. Tel: (022) 4000 3700 / 3701 | Rajkot - Vijay Popat 101, Race Course Plaza Near Income Tax Office, Race Course Ring Rd Rajkot - 360 001 Tel: (0281) 6451 929 / 1910 |
| Chennai - S. Raja Gr. Floor, 45 TTK Road, Alwarpet Chennai - 600 018 Tel: (044) 4226 9000 Fax: 2498 1742 | Jaipur - Ranveer Singh 2/3, 1st Floor, Multi-Story Complex 1st M. I. Road, Opp. Amrapura Temple Jaipur - 302 001 Tel: (0141) 222 3334 | New Delhi - Rajinder Arora/Gurpreet Sareen Ugf 4, Kanchanjunga Bldg 18, Barakhamba Road, New-Delhi -110 001 Tel: (011) 4151 2555 / 2666 | Surat - Pinky Kothari 202, Empire State Bldg Ring Road, Surat - 395 002 Tel: (0261) 6696 666 |

Private Client Group Offices:

| | |
|--|---|
| Ahmedabad (C.G. Road) - Ritu Bhavsar 5/6, Chandan Complex, Swastik Cross Rd C. G. Road, Ahmedabad - 380 009 Tel : (079) 3007 4049 / 50 | Surat - Ali Asgar Rasiwala 603, Empire State Bldg Ring Road, Surat - 395 002 Mobile : 09898891213 |
|--|---|

Branch Offices:

| | | | |
|---|--|---|---|
| Andheri (Lokhandwala) - Muskaan Dautani Tel : (022) 2639 2626 / 3255 0987 | Thane (W) - Diksha Khushalani Tel: (022) 2539 0786 / 0789 / 0796 | Gondal - Lenin Trivedi Tel: (02825) 240 693 / 4 | Porbandar - Ketan Thanki Tel : (0286) 221 5310 / 31 / 221 5450 |
| Andheri (W) - Dinesh Nihalani Tel: (022) 2635 2345 / 6668 0021 | Vile Parle (W) - Manish Negandhi Tel: (022) 2610 2894 / 95 | Himatnagar - Vinay Raval Tel: (02772) 241 008 | Pune - Sameer Amrute Tel : (020) 6620 6591 / 6620 6595 |
| Bandra (W) - Anit Hake Tel: (022) 2655 5560 / 70 | Ahmedabad (Bapu Nagar) - Milan Kanabar Tel : (079) 2277 5582 | Indore - Alok Rathi Tel: (0731) 4042242 / 4044 366 / 4087 966 | Rajkot - Dhaval Dave Tel : (0280) 236 1935 / 329 6881 / 329 8100 |
| Bandra (W) - Faruq Wakani Tel: (022) 6643 2694 - 99 | Ahmedabad (Gurukul) - Snehal Purohit Tel: (079) 6522 5510 / 3012 5492-94 | Jalgaon - Pankaj / Dinesh Khushalani Tel: (0257) 3200 906 | Rajkot - Hitesh Popat Tel: (0281) 2463 291-94 |
| Borivali (W) - Gyan P. Joshi Tel: (022) 2895 2600 / 1 / 2 | Ahmedabad (Maninagar) - Sunil Khyani Tel : (079) 3048 0242 / 45 | Jamnagar - Jwalant Shingala Tel : (0288) 266 4942-44, 329 0477 / 329 8790 | Rajkot - Manish Baradia Tel : (0281) 2233 230 / 50 |
| Borivali (W) - Tarun Dhani Tel: (022) 3092 1969 / 2892 8890 | Ahmedabad (Satellite) - Aasif Hirani Tel: (079) 4000 1000 | Jodhpur - Amit Kumbhat Tel : (0291) 3208 354 / 3208 684 | Rajkot - Nilesh Vora Tel : (0281) 2225 401 / 02 / 03 |
| Chembur - Rajesh Mehta Tel: (022) 6703 0210 / 11 / 12 | Ahmedabad (Ramdevnagar) - Harshil Shah Tel : (079) 2692 6401 / 51 | Junagadh - Vishal Kanabar Tel : (0285) 2622 483 / 2622 484 | Secunderabad - Srinivas Tel : (040) 6690 5192 / 3 / 4 |
| Fort - Pankaj V. Shah Tel: (022) 2263 4050-55 | Ahmedabad (Shahibaug) - Chirag Raghvani Tel: (079) 22861053 / 5 / 6 | Mehsana - Bhavesh Patel Tel: (02762) 645 291 / 92 | Surat - Pratik Sanghavi Tel : - (0261) 2257 990 / 909 |
| Ghatkopar (E) - Ashwin Thakkar Tel: (022) 6799 3185 - 88 / 2510 1525 | Amreli - Nishith Hemani Tel: (02792) 228 800 / 231039-42 | Nadiad - Vipul Patel Tel : (0268) - 2527 230 / 31 | Surendranagar - Prashant Jani Tel - (02752) 325905 / 223305 |
| Goregaon (W) - Sanjiv Dhani Tel: (022) 2878 9401 / 02 | Anand - Digant Patel Tel : (02692) 267 041-45 | Nashik - Madhav Mudhale Tel: (0253) 6611 201 - 206 | Valsad - Suchita Krishnani Tel - (02632) 645 344 / 45 |
| Kalbadevi - Viren Ved Tel: (022) 2207 5599 / 2209 0611 | Ankleshwar - Durgesh Singh Tel: (02646) 652 681-85 | Nashik - Sagar Jadhav Tel: (0253) 6614 235 / 236, 2506 276 / 604 | Vapi - Dhiraj Pandey Tel: (0260) 2400 210 / 214 / 236 |
| Kandivali - Nikesh H. Panchamiya Tel: (022) 2867 3800 / 2867 7032 | Baroda - Manthan/Rashmikant Tel: (0265) 6624 280 / 2226 103 | New Delhi - Ashutosh Gupta Tel: (011) 4242 1105 - 07 | Vijayawada - Badrinath Majeti Tel : (0866) 6636900 / 9011 902 / 903 |
| Malad (E) - Satish Kanwarjani Tel: (022) 2880 4440 | Baroda (Akota) - Manisha Tandel Tel: (0265) 6499 286 / 3256 290 | New Delhi - Surender Kumar Tel: (011) 3262 8699 / 8799 | Visakhapatnam - Vamshi Krishna Tel : (0891) 6620 572-75 |
| Malad (W) - Tushar Shah Tel: (022) 2880 0960 / 68 | Bhavnagar - Apurva Dhani Tel: (0278) 2512099 / 755 / 3001717 / 18 | New Delhi - Rajiv Khanna Tel: (011) 4700 2380 / 84 | |
| Mulund (W) - Niraj Anand Tel: (022) 2562 2282 | Bhopal - Sandeep Kothana Tel: (0755) 3256 663 | New Delhi - Sumit Bhuttan Tel: (011) 41659 711 / 12 | |
| Santacruz (W) - Rakesh Vadodaria Tel: (022) 26481001 / 7073 | Gandhinagar - Vivek Thakker Tel: (079) 3058 1111 / 3058 1112 | Palanpur - Hitesh Patel Tel : (02742) 645 171 / 72 | |