

Pantaloon Retail

FY09 Result

30 September 2009

Not Rated

Fair Value: Rs389

CMP: Rs344*

*as on 29 Sep 2009

Focus shifts to profitability

Pantaloon Retail India's (PRIL) revenue for FY09 (June year ending) rose 25.6% YoY to Rs63.4bn and EBITDA surged 45.2% to Rs6.7bn, inline with our estimates. However, higher depreciation resulted in lower 11.6% PAT growth at Rs1.4bn vs our estimate of Rs1.5bn. EBITDA margin expanded 142bp to 10.5%, mainly on account of cost reduction.

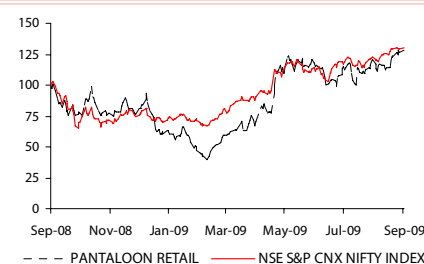
- **Average sales per sq ft down:** Same-stores-sales growth was tepid at 7% and this coupled with lower contribution from new stores resulted in 7% reduction in average sales per sq ft to Rs7,220 (vs Rs7,763 in FY08). The company expects to add 3mn sq ft over the next three years.
- **Cost rationalisation helps boost margin:** The 142bp expansion in margin to 10.5% surprised as it was achieved despite the 40bp fall in gross margin. The management attributed this margin expansion to rationalisation across heads.
- **EBITDA margins to improve:** We believe steps to increase full price merchandise and core merchandise would help improve sales per sq ft. Further, rationalisation of warehousing and logistic costs is also expected to boost EBITDA margins going forward.
- **Focus shifts to profitability:** The management has shifted its strategy from store roll-out to profit growth. We remain positive on the company and maintain our fair value of Rs389 on SOTP. We value retail business on DCF at Rs345, FCH at Rs39 and HSRIL at Rs6.

Key Data

Bloomberg Code	PF IN
Reuters Code	PART.BO
Current Shares O/S (mn)	159.3
Diluted Shares O/S(mn)	159.3
Mkt Cap (Rsbn/USDbn)	54.7/1.1
52 Wk H / L (Rs)	365/105
Daily Vol. (3M NSE Avg.)	459,953
Face Value (Rs)	2

USD = Rs48.0

One Year Indexed Stock Performance



Price Performance (%)

	1M	6M	1Yr
Pantaloon Retail	9.4	112.3	32.3
NIFTY	7.4	65.7	27.7

Source: Bloomberg, Centrum Research
*as on 29 Sep 2009

Pranshu Mittal
p.mittal@centrum.co.in
91 22 4215 9854

Janhavi Prabhu
janhavi.prabhu@centrum.co.in
91 22 4215 9864

Y/E June (Rsmn)	FY09	FY08	YoY (%)	FY09E	Variance(%)
Net sales	63,417	50,489	25.6	65,898	(3.8)
Consumption of RM	44,300	35,112		46,280	
% of sales	69.9	69.5		70.2	
Employee costs	2,743	2,741		2,785	
% of sales	4.3	5.4		4.2	
Other costs	9,691	8,032		10,156	
% of sales	15.3	15.9		15.4	
EBITDA	6,684	4,605	45.2	6,677	0.1
EBITDA Margin (%)	10.5	9.1	142bp	10.1	41bp
Dep and amortisation	1,401	834		1,266	10.6
Interest	3,182	1,853		3,152	1.0
EBT	2,102	1,918		2,259	
Other income	61	38		69	
PBT	2,162	1,956	10.6	2,328	(7.1)
Exceptional item (reported)	-	-		-	
Provision for tax	757	697		829	
Effective Tax Rate %	35.0	35.6		35.6	
Minority share in profit / loss	-	-		-	
PAT (reported)	1,406	1,259	11.6	1,499	(6.2)
PAT (adjusted)	1,406	1,259	11.6	1,499	(6.2)
NPM (%)	2.2	2.5	(28)bp	2.3	(6)bp

Source: Company, Centrum Research

Y/E June (Rsmn)	Rev	YoY (%)	EBITDA	EBITDA (%)	Adj PAT	YoY (%)	Fully DEPS	ROE (%)	ROCE (%)	P/E (x)	EV/EBITDA (x)
FY08	50,489	56.0	4,605	9.1	1,259	106.2	7.9	8.6	7.4	41.4	15.8
FY09	63,417	25.6	6,684	10.5	1,406	11.6	7.4	6.8	7.3	44.3	12.9
FY10E	86,157	35.9	8,863	10.3	2,685	91.0	13.7	10.9	8.7	23.8	10.2
FY11E	103,747	20.4	11,349	10.9	4,226	57.4	21.6	14.9	10.6	15.1	8.0
FY12E	119,319	15.0	13,237	11.1	5,385	27.4	27.6	16.5	11.5	11.9	6.7

Source: Company, Centrum Research Estimate

Q4FY09 result lower than estimates

Q4 revenue increased 20.4% YoY to Rs16.6bn, lower than our estimate of Rs19.1bn, mainly due to lower-than-estimated space addition. The 80bp expansion in EBITDA margin to 11.0% surprised (vs our estimate of 9.5%). Higher EBITDA margin offset the fall in sales and resulted in 29.8% growth in absolute EBITDA to Rs1.8bn, in line with our estimates. Higher depreciation and financing cost has restricted profit growth to Rs365mn, up 12.1% YoY.

We are maintaining our estimates as the management is turning more confident about consumer sentiment and increased throughput. The management's focus has been now shifted towards increasing profitability and ROI of individual business from the earlier space rollout. We are of the view that this is a welcome step by the management.

Exhibit 1: Q4 financial highlights

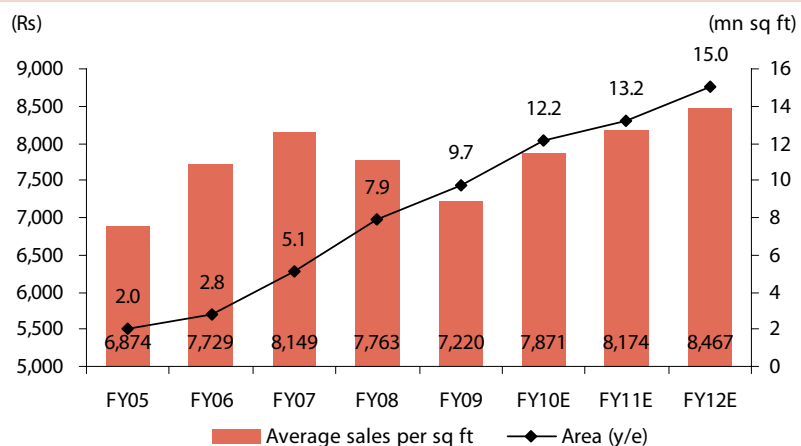
Y/E June (Rsmn)	Q4FY09	Q4FY08	YoY (%)	Q3FY09	QoQ (%)	Q4FY09E	Variance (%)
Net sales	16,627	13,814	20.4	16,421	1.3	19,108	(13.0)
Consumption of RM	11,518	9,607		11,500		13,499	
% of sales	69.3	69.5		70.0		70.6	
Employee costs	700	674		695		742	
% of sales	4.2	4.9		4.2		3.9	
Other costs	2,576	2,121		2,496		3,042	
% of sales	15.5	15.4		15.2		15.9	
EBITDA	1,832	1,412	29.8	1,730	5.9	1,825	0.4
EBITDA Margin (%)	11.0	10.2	80bp	10.5	48bp	9.5	147bp
Dep and amortisation	388	254		369		254	52.8
Interest	910	655		847		879	3.4
EBT	535	503		514		692	
Other income	18	1		16		26	
PBT	552	504	9.71	530	4.2	718	(23.0)
Exceptional item (reported)	-	-		-		-	
Provision for tax	188	178		186		260	
Effective Tax Rate %	34.0	35.4		35.2		36.2	
Minority share in profit / loss	-	-		-		-	
PAT (reported)	365	325	12.1	344	6.1	458	(20.3)
PAT (adjusted)	365	325	12.1	344	6.1	458	(20.3)
NPM (%)	2.2	2.4	(16)bp	2.1	10bp	2.4	(20)bp

Source: Company, Centrum Research Estimates

Proportion of retail space skewing towards lifestyle

The space under the *Central* (lifestyle seamless malls) retail delivery format increased 44.4% YoY to 1.3mn sq ft, *Pantaloons* by 20% to 1.2mn sq ft and *Big Bazaars* by 24% to 6.2mn sq ft (Big Bazaar has got highest sales per sq ft amongst all delivery formats). Effectively, the proportion of space under the *Big Bazaar* format has been marginally reduced (from 64.1% to 63.9%), Further, *Central's* sales per sq ft declined 15.4% to Rs6,616 on account of subdued consumer sentiment. This, coupled with the change of space under different formats, resulted in PRIL's average sales per sq ft declining 7% to Rs7,220 in FY09 from Rs7,763 during FY08.

Exhibit 2: Average sales per sq ft declined FY09

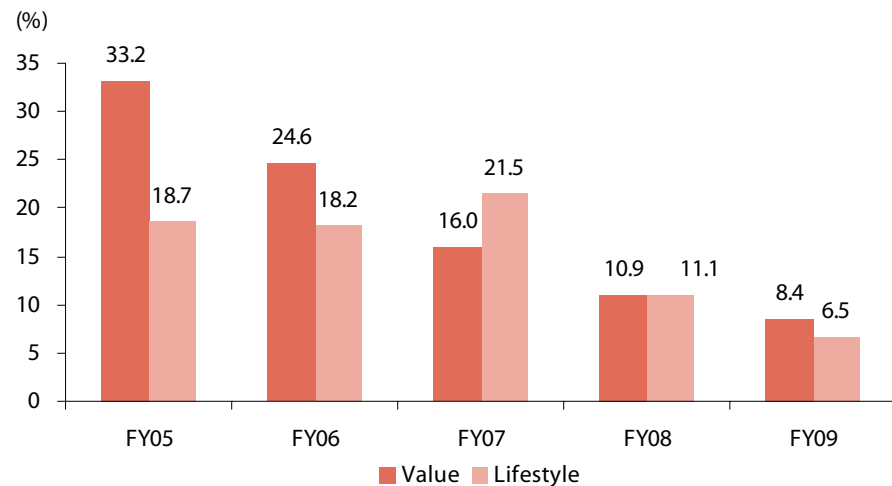


Source: Company, Centrum Research Estimates

Changing product mix strategy

During FY09, value retailing accounted for 71.9% of PRIL's total sales and lifestyle retaining the balance 28.1%. The average same-store-sales growth in value retailing was 8.4% vs 6.5% in lifestyle retailing. The management proposes to change this mix and increase the proportion of lifestyle retailing, where margins are higher, to 35% of the total sales mix. For instance, in fashion retailing which contributed 65% of revenue in FY09, the company plans to focus on fully-priced merchandise and core merchandise where there is consistent demand, products priced higher and through-put is higher. The Company intends to increase the proportion of fully-priced merchandise from the existing 25% of fashion sales to 35% and core merchandise from 10% to 25%. We believe this change in product mix along with higher same-store-sales growth would help PRIL clock higher sales per sq ft. We expect 5.5% sales per sq ft CAGR to Rs8,467 over FY10-12E.

Exhibit 3: Same-store-sales growth in value and lifestyle retailing



Source: Company

Improving operational efficiencies

PRIL has revamped its supply chain operations which would help it to reap operational efficiencies and cost savings going forward. Implementation of these programmes would help in rationalizing stock keeping units (SKUs) which in turn would help in reducing inventory holding costs and reduce working capital requirement to Rs1,600 per sq ft in FY10 from the existing Rs1,850 per sq ft. This would be further reduced to Rs1400 per sq ft over the next 15-18 months.

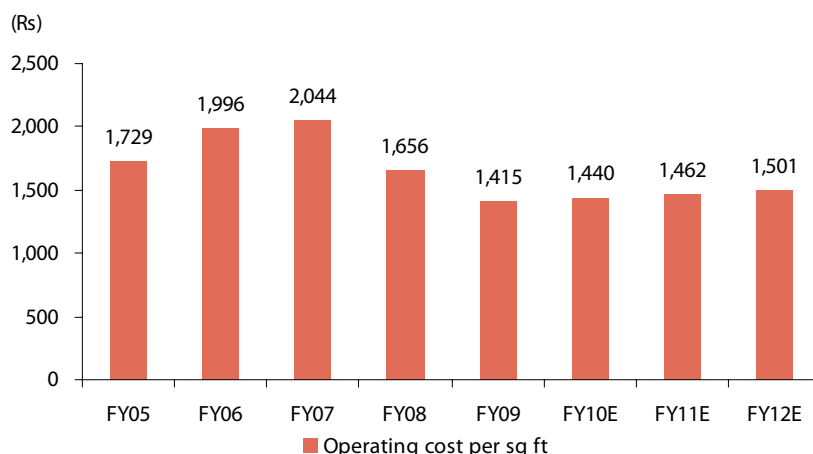
The company has consolidated its warehouses and now operates only from 8 distribution centres vs more than 15 earlier. PRIL relies on mechanized and automated warehouse management systems which ensure timely and accurate replenishment of products to retail stores. It has implemented an auto-replenishment system (ARS), which facilitates timely product availability of fast-moving SKUs. In addition, this programme helps in conducting stock ageing analysis, thereby lowering obsolescence and resulting in lower mark-downs. Currently, 80% of the stocks are covered by ARS, where the delivery time to stores is within 48-70 hours. PRIL intends to reduce this time to 14-16 hours over the next 3-4 years.

Order fulfilment refers to availability of products in warehouse to fulfil the demand placed by stores. Currently, the order fulfilment rate is at 72%. Company intends to increase this rate further to 88-90% and thereafter to almost 98%. The company would be working in collaboration with its vendors to implement this over the next three to six months.

Gross margins expected to improve on backward integration ...

Gross margin declined 31bp to 30.1% in FY09 on account of *Big Bazaar's* expansion (24% increase in space from 5.2mn sq ft to 6.2mn sq ft) where the overall gross margins are in the range of 28-30% vis-à-vis Pantaloon where gross margins, net of mark-down, are in the range of 57-58%.

The management foresees expansion in gross margin going forward. This could be attributed to the fact that PRIL has a back-ward integrated model for its fashion business – right from sourcing of fabrics to designing and delivering of the final product to the end customer which helps in grossing higher margins. It plans to implement a similar model for its food business where the backward integrated model would help it increase its gross margins to 38%.

Exhibit 4: Operating cost per sq ft declined

Source: Centrum Research Estimates

... and help expand EBITDA margins

EBITDA margin for FY09 increased 142bp to 10.5% (from 9.1%), mainly on account of various cost control measures. On an absolute basis, PRIL reported 45.2% increase in EBITDA to Rs6.6bn. Staff costs as a percentage of sales declined 110bp to 4.3% in FY09. Senior management executives of the company agreed to take a voluntary pay-cut in addition to increase in the productivity area per employee. We believe implementation of various measures (like introducing warehousing systems) would help achieve operational efficiencies and garner higher operating margins, going forward. We would revisit our estimates once we see the same going through.

Depreciation and interest costs higher

On a standalone basis, PRIL's PAT margin decreased 28bp to 2.2%. This could be attributed to the higher depreciation costs (absolute depreciation expenses increased 67.9%) incurred by the company on account of higher capex on back-end and new store openings. Interest as a percentage of sales increased 135bp to 5%. As per our calculation, the average interest rate stands at 12.6% for FY09. PRIL's existing debt-equity ratio stands at 1.25x in FY09. The Company would be comfortable bringing this ratio below 1x through internal accruals and debt repayments.

Maintain space addition guidance

PRIL and Home Solutions Retail India (HSRIL) plan to increase retail space to ~ 25mn sq ft by FY13-14. This will give the company the advantage of economies of scale to sustain and grow the business in a competitive external environment. The management noted that PRIL and HSRIL together would add approximately 3mn sq ft of space per annum. According to the management, at a capex per sq ft rate of Rs1,800, company would require Rs27bn over the next five years.

Consolidated profit declines on the back of loss making subsidiaries

On a consolidated basis, PRIL's PAT declined by 54.1% to Rs100mn on the back of the following losses incurred by its subsidiaries.

Exhibit 5: Net profit/loss in subsidiaries

Subsidiaries	PAT (Rsmn)
Future logistics	2
Home solutions	(60)
Future Media	(80)
Future Generali India Life Insurance	(840)
Future Generali India Insurance	(220)
Others	(108)

Source: Company

Valuation

The management has shifted its strategy from store roll-out to profit growth, which is a welcome step. We remain positive on the company and maintain our fair value of Rs389 on SOTP. We value the core retail business on DCF at Rs345, FCH at Rs39 and HSRIL at Rs6.

Financials

Exhibit 6: Income Statement

Y/E June (Rsmn)	FY08	FY09	FY10E	FY11E	FY12E
Net Sales	50,489	63,417	86,157	103,747	119,319
-Growth (%)	56.0	25.6	35.9	20.4	15.0
Cost of goods sold	35,112	44,300	61,530	73,846	84,930
% of sales	69.5	69.9	71.4	71.2	71.2
Gross Profit	15,377	19,118	24,627	29,901	34,389
% of sales	30.5	30.1	28.6	28.8	28.8
Staff expenses	2,741	2,743	3,444	3,935	4,439
% of sales	5.4	4.3	4.0	3.8	3.7
Other operating expenses	8,032	9,691	12,320	14,618	16,713
% of sales	15.9	15.3	14.3	14.1	14.0
EBIDTA	4,605	6,684	8,863	11,349	13,237
-EBIDTA margin (%)	9.1	10.5	10.3	10.9	11.1
Depreciation	834	1,401	1,595	1,801	2,011
EBIT	3,771	5,284	7,268	9,548	11,226
Interest expenses	1,853	3,182	3,290	3,255	3,194
PBT from operations	1,918	2,102	3,978	6,293	8,032
Other non operating income	38	61	90	109	125
PBT before extra-ordinary items	1,956	2,162	4,068	6,402	8,157
Extra-ordinary income/(exp)	0	0	0	0	0
PBT	1,956	2,162	4,068	6,402	8,157
-PBT margin (%)	3.9	3.4	4.7	6.2	6.8
Provision for tax	697	757	1,383	2,176	2,773
Effective tax rate (%)	35.6	35.0	34.0	34.0	34.0
PAT	1,259	1,406	2,685	4,226	5,385
Adjustment for Extraordinary items	-	-	-	-	-
Adj PAT	1,259	1,406	2,685	4,226	5,385
-Growth (%)	106.2	11.6	91.0	57.4	27.4
-Net profit margin (%)	2.5	2.2	3.1	4.1	4.5

Source: Company, Centrum Research Estimate

Exhibit 7: Balance Sheet

Y/E June (Rsmn)	FY08	FY09E	FY10E	FY11E	FY12E
Share capital	319	381	391	391	391
Equity warrants	633	229	0	0	0
Reserves & surplus	17,515	22,251	26,102	29,844	34,611
Total shareholder's fund	18,466	22,860	26,493	30,235	35,002
Loan fund	21,918	28,500	29,000	29,000	28,000
Deferred tax liability	678	1,160	1,770	2,665	3,725
Total capital employed	41,063	52,520	57,263	61,900	66,727
Gross block	13,688	18,796	22,122	24,052	27,512
Accumulated depreciation	1,706	3,106	4,702	6,502	8,513
Net Block	11,982	15,690	17,420	17,549	18,998
Capital WIP	3306	3450	965	1730	1820
Net fixed assets	15,288	19,140	18,385	19,279	20,818
Investments	5,865	9,540	9,365	9,365	9,365
Cash and bank	1211	1312	324	605	905
Inventories	14298	16992	22758	26301	29086
Debtors	1,132	1,327	1,611	1,940	2,231
Other current assets & loans & adv.	9623	13200	15513	17321	19689
Total current assets & loans	26,264	32,830	40,205	46,167	51,911
Current liabilities & provisions	6,377	8,980	10,683	12,901	15,357
Net current assets	19,910	23,840	29,513	33,255	36,544
Total assets	41,063	52,520	57,263	61,900	66,727

Source: Company, Centrum Research Estimate

Exhibit 8: Cash Flow

Y/E June (Rsmn)	FY08	FY09E	FY10E	FY11E	FY12E
Cash flow from operating					
Pre tax profit from operations	1,956	2,162	4,068	6,402	8,157
Depreciation	834	1,401	1,595	1,801	2,011
Interest expenses	1,853	3,182	3,290	3,255	3,194
Dividend income	(5)	-	-	-	-
Other non cash charges	14	-	-	-	-
Operating profit bef. WC change	4,652	6,745	8,953	11,457	13,362
Working capital adjustments	(7,617)	(3,862)	(6,555)	(3,374)	(2,904)
Direct tax paid	(435)	(389)	(773)	(1,280)	(1,713)
Prior period items	0	-	-	-	-
Net cash from operating	(3,399)	2,494	1,625	6,803	8,745
Cashflow from investing					
Capex	(8,079)	(3,458)	(2,635)	(2,695)	(3,550)
Investments	(3,296)	(3,675)	175	-	-
To/from subsidiaries	518	-	-	-	-
Int/divid. rcvd/sale of securities	5	-	-	-	-
Net cash from investing	(10,852)	(7,132)	(2,460)	(2,695)	(3,550)
Cash flow from financing					
Proceeds from sh. Cap & premium	6,851	3,657	686	-	-
Borrowings/(Repayments)	8,922	7,000	500	-	(1,000)
Interest paid	(1,853)	(3,182)	(3,290)	(3,255)	(3,194)
Dividend paid	(88)	(129)	(246)	(485)	(617)
Net cashflow from financing	13,832	7,345	(2,350)	(3,739)	(4,811)
Net cash increase/(decrease)	(419)	2,707	(3,185)	369	384

* Cash Flow Balance will not match as only some figures in balance sheet has been changed to actuals, rest is projected

Source: Company, Centrum Research Estimate

Exhibit 9: Key Ratios

Y/E June	FY08	FY09E	FY10E	FY11E	FY12E
Profitability ratios (%)					
EBIDTA margin	9.1	10.5	10.3	10.9	11.1
PBIT margin	7.5	8.3	8.4	9.2	9.4
PBT margin	3.9	3.4	4.7	6.2	6.8
PAT margin	2.5	2.2	3.1	4.1	4.5
Growth (%)					
Revenue	56.0	25.6	35.9	20.4	15.0
EBIDTA	113.6	45.2	32.6	28.0	16.6
Net profit	106.2	11.6	91.0	57.4	27.4
Return ratios (%)					
ROCE	7.4	7.3	8.7	10.6	11.5
ROIC	8.9	9.0	10.8	12.7	13.7
ROE	8.6	6.8	10.9	14.9	16.5
Turnover Ratios					
Asset turnover ratio (x)	1.3	1.2	1.3	1.5	1.5
Working capital cycle (days)	113	120	111	110	106
Cash conversion cycle (days)	88	88	79	82	78
Average Inventory period (days)	120	129	118	121	119
Average collection period (days)	6	7	6	6	6
Average payment period (days)	38	48	45	45	47
Per share (Rs)					
Basic EPS	7.9	7.4	13.7	21.6	27.6
Fully diluted EPS	7.9	7.4	13.7	21.6	27.6
Book value	115.9	120.1	135.6	154.8	179.2
Solvency Ratio					
Debt-equity	1.2	1.2	1.1	1.0	0.8
Interest coverage ratio	2.2	1.7	2.2	2.9	3.5
Valuation					
P/E	41.4	44.3	23.8	15.1	11.9
P/BV	2.8	2.7	2.4	2.1	1.8
EV/Sales	1.4	1.4	1.1	0.9	0.7
EV/EBIDTA	15.8	13.1	10.2	8.0	6.7
M-cap/Sales	1.0	1.0	0.7	0.6	0.5

Source: Company, Centrum Research Estimate

Disclaimer

Centrum Broking Pvt. Ltd. ("Centrum") is a full-service, Stock Broking Company and a member of The Stock Exchange, Mumbai (BSE) and National Stock Exchange of India Ltd. (NSE). Our holding company, Centrum Capital Ltd, is an investment banker and an underwriter of securities. As a group Centrum has Investment Banking, Advisory and other business relationships with a significant percentage of the companies covered by our Research Group. Our research professionals provide important inputs into the Group's Investment Banking and other business selection processes.

Recipients of this report should assume that our Group is seeking or may seek or will seek Investment Banking, advisory, project finance or other businesses and may receive commission, brokerage, fees or other compensation from the company or companies that are the subject of this material/report. Our Company and Group companies and their officers, directors and employees, including the analysts and others involved in the preparation or issuance of this material and their dependants, may on the date of this report or from, time to time have "long" or "short" positions in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. Centrum or its affiliates may be owning 1% or more in the equity of this company. Our sales people, dealers, traders and other professionals may provide oral or written market commentary or trading strategies to our clients that reflect opinions that are contrary to the opinions expressed herein, and our proprietary trading and investing businesses may make investment decisions that are inconsistent with the recommendations expressed herein. We may have earlier issued or may issue in future reports on the companies covered herein with recommendations/ information inconsistent or different those made in this report. In reviewing this document, you should be aware that any or all of the foregoing, among other things, may give rise to or potential conflicts of interest. We and our Group may rely on information barriers, such as "Chinese Walls" to control the flow of information contained in one or more areas within us, or other areas, units, groups or affiliates of Centrum.

This report is for information purposes only and this document/material should not be construed as an offer to sell or the solicitation of an offer to buy, purchase or subscribe to any securities, and neither this document nor anything contained herein shall form the basis of or be relied upon in connection with any contract or commitment whatsoever. This document does not solicit any action based on the material contained herein. It is for the general information of the clients of Centrum. Though disseminated to clients simultaneously, not all clients may receive this report at the same time. Centrum will not treat recipients as clients by virtue of their receiving this report. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Similarly, this document does not have regard to the specific investment objectives, financial situation/circumstances and the particular needs of any specific person who may receive this document. The securities discussed in this report may not be suitable for all investors. The securities described herein may not be eligible for sale in all jurisdictions or to all categories of investors. The countries in which the companies mentioned in this report are organized may have restrictions on investments, voting rights or dealings in securities by nationals of other countries. The appropriateness of a particular investment or strategy will depend on an investor's individual circumstances and objectives. Persons who may receive this document should consider and independently evaluate whether it is suitable for his/her/their particular circumstances and, if necessary, seek professional/financial advice. Any such person shall be responsible for conducting his/her/their own investigation and analysis of the information contained or referred to in this document and of evaluating the merits and risks involved in the securities forming the subject matter of this document.

The projections and forecasts described in this report were based upon a number of estimates and assumptions and are inherently subject to significant uncertainties and contingencies. Projections and forecasts are necessarily speculative in nature, and it can be expected that one or more of the estimates on which the projections and forecasts were based will not materialize or will vary significantly from actual results, and such variances will likely increase over time. All projections and forecasts described in this report have been prepared solely by the authors of this report independently of the Company. These projections and forecasts were not prepared with a view toward compliance with published guidelines or generally accented accounting principles. No independent accountants have expressed an opinion or any other form of assurance on these projections or forecasts. You should not regard the inclusion of the projections and forecasts described herein as a representation or warranty by or on behalf of the Company, Centrum, the authors of this report or any other person that these projections or forecasts or their underlying assumptions will be achieved. For these reasons, you should only consider the projections and forecasts described in this report after carefully evaluating all of the information in this report, including the assumptions underlying such projections and forecasts.

The price and value of the investments referred to in this document/material and the income from them may go down as well as up, and investors may realize losses on any investments. Past performance is not a guide for future performance. Future returns are not guaranteed and a loss of original capital may occur. Actual results may differ materially from those set forth in projections. Forward-looking statements are not predictions and may be subject to change without notice. Centrum does not provide tax advice to its clients, and all investors are strongly advised to consult regarding any potential investment. Centrum and its affiliates accept no liabilities for any loss or damage of any kind arising out of the use of this report. Foreign currencies denominated securities are subject to fluctuations in exchange rates that could have an adverse effect on the value or price of or income derived from the investment. In addition, investors in securities such as ADRs, the value of which are influenced by foreign currencies effectively assume currency risk. Certain transactions including those involving futures, options, and other derivatives as well as non-investment-grade securities give rise to substantial risk and are not suitable for all investors. Please ensure that you have read and understood the current risk disclosure documents before entering into any derivative transactions.

This report/document has been prepared by Centrum, based upon information available to the public and sources, believed to be reliable. No representation or warranty, express or implied is made that it is accurate or complete. Centrum has reviewed the report and, in so far as it includes current or historical information, it is believed to be reliable, although its accuracy and completeness cannot be guaranteed. The opinions expressed in this document/material are subject to change without notice and have no obligation to tell you when opinions or information in this report change.

This report or recommendations or information contained herein do/does not constitute or purport to constitute investment advice in publicly accessible media and should not be reproduced, transmitted or published by the recipient. The report is for the use and consumption of the recipient only. This publication may not be distributed to the public used by the public media without the express written consent of Centrum. This report or any portion hereof may not be printed, sold or distributed without the written consent of Centrum.

This report has not been prepared by Centrum Securities LLC. However, Centrum Securities LLC has reviewed the report and, in so far as it includes current or historical information, it is believed to be reliable, although its accuracy and completeness cannot be guaranteed.

The distribution of this document in other jurisdictions may be restricted by law, and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions. Neither Centrum nor its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information.

This document does not constitute an offer or invitation to subscribe for or purchase or deal in any securities and neither this document nor anything contained herein shall form the basis of any contract or commitment whatsoever. This document is strictly confidential and is being furnished to you solely for your information, may not be distributed to the press or other media and may not be reproduced or redistributed to any other person. The distribution of this report in other jurisdictions may be restricted by law and persons into whose possession this report comes should inform themselves about, and observe any such restrictions. By accepting this report, you agree to be bound by the foregoing limitations. No representation is made that this report is accurate or complete.

The opinions and projections expressed herein are entirely those of the author and are given as part of the normal research activity of Centrum Broking and are given as of this date and are subject to change without notice. Any opinion estimate or projection herein constitutes a view as of the date of this report and there can be no assurance that future results or events will be consistent with any such opinions, estimate or projection.

This document has not been prepared by or in conjunction with or on behalf of or at the instigation of, or by arrangement with the company or any of its directors or any other person. Information in this document must not be relied upon as having been authorized or approved by the company or its directors or any other person. Any opinions and projections contained herein are entirely those of the authors. None of the company or its directors or any other person accepts any liability whatsoever for any loss arising from any use of this document or its contents or otherwise arising in connection therewith.

Centrum and its affiliates might have managed or co-managed a public offering for the subject company in the preceding twelve months. Centrum and affiliates might have received compensation from the companies mentioned in the report during the period preceding twelve months from the date of this report for service in respect of public offerings, corporate finance, debt restructuring, investment banking or other advisory services in a merger/acquisition or some other sort of specific transaction. Centrum and affiliates may expect to receive compensation from the companies mentioned in the report.

As per the declarations given by them, Mr Pranshu Mittal and Ms Janhavi Prabhu, research analysts and the authors of this report and/or any of their family members do not serve as an officer, director or any way connected to the company/companies mentioned in this report. Further, as declared by them, they have not received any compensation from the above companies in the preceding twelve months. Our entire research professionals are our employees and are paid a salary.

While we would endeavor to update the information herein on a reasonable basis, Centrum, its 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 Centrum from doing so.

Non-rated securities indicate that rating on a particular security has been suspended temporarily and such suspension is in compliance with applicable regulations and/or Centrum policies, in circumstances where Centrum is acting in an advisory capacity to this company, or any certain other circumstances.

Sanjeev Patni T. S. Baskaran	Head - Institutional Equities Joint Head – Institutional Equities	sanjeev.patni@centrum.co.in ts.baskaran@centrum.co.in	91-22-4215 9699 91-22-4215 9620/87
Research			
Dhananjay Sinha	Economist	Economy & Strategy	dhananjay.sinha@centrum.co.in 91-22-4215 9619
Niraj Shah	Sr Analyst	Metals & Mining, Pipes	niraj.shah@centrum.co.in 91-22-4215 9685
Mahantesh Sabarad	Sr Analyst	Automobiles/Auto Ancillaries	mahantesh.sabarad@centrum.co.in 91-22-4215 9855
Madanagopal R	Sr Analyst	Power, Capital Goods	r.madanagopal@centrum.co.in 91-22-4215 9684
Abhishek Anand	Analyst	Media, Education	a.anand@centrum.co.in 91-22-4215 9853
Adhidev Chattopadhyay	Analyst	Real Estate	adhidev@centrum.co.in 91-22-4215 9632
Ankit Kedia	Analyst	Media	ankit.kedia@centrum.co.in 91-22-4215 9634
Manish Kayal	Analyst	Infrastructure	manish.kayal@centrum.co.in 91-22-4215 9313
Nitin Padmanabhan	Analyst	Technology	nitin.padmanabhan@centrum.co.in 91-22-4215 9690
Piyush Choudhary	Analyst	Telecom	p.choudhary@centrum.co.in 91-22-4215 9862
Pranshu Mittal	Analyst	Sugar, Retail	p.mittal@centrum.co.in 91-22-4215 9854
Rajan Kumar	Analyst	Cement	rajan.kumar@centrum.co.in 91-22-4215 9640
Rajagopal Ramanathan	Analyst	Banking & Financial Services	rajagopal.ramanathan@centrum.co.in 91-22-4215 9644
Saikiran Pulavarthi	Analyst	Banking & Financial Services	saikiran.pulavarthi@centrum.co.in 91-22-4215 9637
Siddhartha Khemka	Analyst	Logistics	siddhartha.khemka@centrum.co.in 91-22-4215 9857
Sriram Rathi	Analyst	Pharmaceuticals	s.rathi@centrum.co.in 91-22-4215 9643
Amit Sinha	Associate	Power, Capital Goods	amit.sinha@centrum.co.in 91-22-4215 9927
Janhavi Prabhu	Associate	Sugar, Retail	janhavi.prabhu@centrum.co.in 91-22-4215 9864
Jatin Damania	Associate	Metals & Mining, Pipes	jatin.damania@centrum.co.in 91-22-4215 9647
Komal Taparia	Associate	Economy & Strategy	komal.taparia@centrum.co.in 91-22-4215 9195
Rahul Gaggar	Associate	Hotels & Healthcare	rahul.gaggar@centrum.co.in 91-22-4215 9683
Sarika Dumbre	Associate	Telecom	sarika.dumbre@centrum.co.in 91-22-4215 9194
Shweta Mane	Associate	Banking & Financial Services	shweta.mane@centrum.co.in 91-22-4215 9928
Vijay Nara	Associate	Automobiles/Auto Ancillaries	vijay.nara@centrum.co.in 91-22-4215 9641
Sales			
V. Krishnan		+91-22-4215 9658	v.krishnan@centrum.co.in +91 98216 23870
Ashish Tapuriah		+91-22-4215 9675	ashish.tapuriah@centrum.co.in +91 99675 44060
Ashvin Patil		+91-22-4215 9866	ashvin.patil@centrum.co.in +91 98338 92012
Siddharth Batra		+91-22-4215 9863	s.batra@centrum.co.in +91 99202 63525
Centrum Securities (Europe) Ltd., UK			
Dan Harwood	CEO	+44-7830-134859	dan.harwood@centrum.co.in
Michael Orme	Global Strategist	+44 (0) 775 145 2198	michael.orme@centrum.co.in
Centrum Securities LLC, USA			
Melrick D'Souza		+1-646-701-4465	melrick.dsouza@centrumsecurities.com

Key to Centrum Investment Rankings

Buy: Expected outperform Nifty by >15%, **Accumulate:** Expected to outperform Nifty by +5 to 15%, **Hold:** Expected to outperform Nifty by -5% to +5%, **Reduce:** Expected to underperform Nifty by 5 to 15%, **Sell:** Expected to underperform Nifty by >15%

Centrum Broking Private Limited

Member (NSE, BSE), Depository Participant (CDSL) and SEBI registered Portfolio Manager

Regn Nos

CAPITAL MARKET SEBI REGN. NO.: BSE: INB 011251130, NSE: INB231251134
DERIVATIVES SEBI REGN. NO.: NSE: INF 231251134 (TRADING & SELF CLEARING MEMBER)
CDSL DP ID: 12200. **SEBI REGISTRATION NO.:** IN-DP-CDSL-20-99
PMS REGISTRATION NO.: INP000000456
Website: www.centrum.co.in
Investor Grievance Email ID: investor.grievances@centrum.co.in

REGD. OFFICE Address

Bombay Mutual Bldg., 2nd Floor, Dr. D. N. Road, Fort, Mumbai - 400 001

Correspondence Address

Centrum House, 6th Floor, CST Road, Near Vidya Nagari Marg, Kalina, Santacruz (E), Mumbai 400 098.
 Tel: (022) 4215 9000