

Lupin

Estimate change	1
TP change	1
Rating change	↓

Bloomberg	LPC IN
Equity Shares (m)	453
M.Cap.(INRb)/(USDb)	548.4 / 6.6
52-Week Range (INR)	1238 / 628
1, 6, 12 Rel. Per (%)	5/55/67
12M Avg Val (INR M)	1006

Financials & Valuations (INR b)

	- 1	- 1	
Y/E MARCH	FY23	FY24E	FY25E
Sales	166.4	193.6	211.8
EBITDA	17.6	32.3	36.2
Adj. PAT	3.9	15.8	17.7
EBIT Margin (%)	5.3	11.6	12.5
Cons. Adj. EPS (INR)	8.6	34.7	39.0
EPS Gr. (%)	-55.0	302.8	12.3
BV/Sh. (INR)	273.9	309.6	345.6
Ratios			
Net D:E	0.3	0.2	0.1
RoE (%)	3.2	11.9	11.9
RoCE (%)	3.5	10.4	10.6
Payout (%)	24.7	7.6	7.5
Valuations			
P/E (x)	140.8	34.9	31.1
EV/EBITDA (x)	31.5	17.0	14.9
Div. Yield (%)	0.2	0.2	0.2
FCF Yield (%)	-0.3	1.3	2.8
EV/Sales (x)	3.3	2.8	2.5

Shareholding pattern (%)

As On	Sep-23	Jun-23	Sep-22
Promoter	47.1	47.1	47.1
DII	29.4	29.4	27.6
FII	15.0	13.9	13.8
Others	8.5	9.6	11.5

FII Includes depository receipts

CMP: INR1,205 TP: INR990 (-18%) SELL

Gradual improvement in progress

Niche launches bolster profitability further

- Lupin (LPC) delivered a better-than-expected financial performance in 2QFY24. Increased US sales and higher productivity led to a healthy improvement in profitability for 2QFY24.
- We raise our earnings estimates by 20%/10% for FY24/FY25, factoring in: 1) better traction in limited competition opportunities, b) increased operating leverage, and c) lower effective tax rate. We value LPC at 23x 12M forward earnings to arrive at our TP of INR990.
- In addition to building a niche pipeline in injectable/nasal sprays/respiratory products, there has been a gradual improvement in core performance as well. Having said this, the valuation more than adequately factors in the earnings upside over the next 2-3 years. Hence, we retain our SELL rating.

Increased opex offsets product mix benefit to some extent

- Lupin's (LPC) 2QFY24 revenue grew 21.5% YoY to INR50.4b (our est. INR48.3b). The US sales jumped 40.4% YoY to INR18.7b (up 34% YoY in CC to USD213m; 38% of sales). On QoQ basis, the US sales grew 17.4%. Domestic formulation (DF) sales grew 6.8% YoY to INR16.9b (34% of sales). API sales grew 7.4% YoY to INR2.7b (5% of sales). The ROW sales doubled YoY to INR2b (4% of sales). The EMEA sales jumped 24% YoY to INR4.8b (10% of sales). Growth Market sales declined 1.6% YoY to INR4.4b (9% of sales).
- Gross margin (GM) expanded 750bp YoY to 66.2% due to better product mix.
- EBITDA margin expanded 790bp YoY to 18.3%, largely due to better GM. A decrease in employee costs (-150bp YoY as a % of sales), and lower R&D expenses (-70bp YoY as a % of sales) were partly offset by an increase in other expenses (+190bp as a % of sales) during the quarter.
- As a result, EBITDA almost doubled YoY to INR9.2b (our est. INR7.6b).
- Adjusting for the forex loss of INR54m, Adj. PAT surged almost 4x to INR4.9b (our est: INR3.3b).
- During 1HFY24, LPC's revenue grew 22% YoY to INR96.4b, while its EBITDA almost doubled YoY to INR15.7b. LPC registered a profit of INR7.8b during 1HFY24 vs. loss of INR375m during 1HFY23.

Highlights from the management commentary

- LPC guided that the quarterly US sales run-rate to be USD200m+ going forward
- The 3QFY24 sales of g-Spiriva could be lower due to channel filing done during its launch.
- LPC guided for an 18% EBITDA margin during 2HFY24.
- The substitution rate of Spiriva in terms of generic prescriptions is 25% now.
- LPC is on track to file Risperidone consta in Nov'23, and expects to launch the same in FY26, subject to timely approval.

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(INR m)

Y/E March		FY2	3			FY2	4E		FY23	FY24E	FY24E	% Var
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE	
Net Sales	37,438	41,455	43,222	44,301	46,087	50,385	49,471	47,681	1,66,417	1,93,624	48,287	4.3
YoY Change (%)	-3.9	1.3	3.9	14.1	23.1	21.5	14.5	7.6	3.8	16.3	16.5	
Total Expenditure	35,799	37,114	37,662	38,260	39,574	41,153	40,814	39,748	1,48,835	1,61,289	40,657	
EBITDA	1,639	4,342	5,560	6,041	6,513	9,232	8,657	7,933	17,582	32,335	7,629	21.0
YoY Change (%)	-70.4	-27.2	-1.4	114.0	297.3	112.6	55.7	31.3	-11.9	83.9	75.7	
Margins (%)	4.4	10.5	12.9	13.6	14.1	18.3	17.5	16.6	10.6	16.7	15.8	
Depreciation	1,928	2,035	2,204	2,640	2,347	2,479	2,550	2,421	8,807	9,796	2,450	
EBIT	-289	2,307	3,356	3,401	4,166	6,754	6,107	5,512	8,775	22,539	5,179	30.4
YoY Change (%)	-108.4	-40.0	-6.9	304.1	LP	192.7	82.0	62.1	-25.3	156.8	124.5	

10.7 7.8 7.7 12.3 5.3 Margins (%) -0.8 5.6 9.0 13.4 11.6 11.6 549 856 2,743 3,263 Interest 428 841 926 806 810 791 950 Other Income 56 149 180 373 228 404 350 268 757 1,250 230 EO Exp/(Inc) -684 -188 234 263 -2,053 54 0 0 -375 -1,999 0 2,096 5,647 7,165 22,525 **PBT** 23 2,461 2,585 5,591 6,298 4,989 4,459 41.2 891 751 885 1,055 2,688 5,029 Tax 161 1,344 1,299 1,332 1,115 Rate (%) 3,907.5 35.8 36.0 6.2 18.9 21.3 23.0 26.7 37.5 22.3 25.0 Minority Interest -23 -47 -64 -96 -42 -11 -57 -21 -8 -176 -20 **Reported PAT** -891 1,297 1,535 2,360 4,525 4,898 4,328 3,650 4,301 17,400 3,324 47.3 **Adj PAT** -1,552 1,177 1,684 2,606 2,855 4,940 4,328 3,650 3,915 15,772 3,324 48.6 YoY Change (%) -164.0 -61.5 -37.5 399.9 319.9 40.1 -55.0 302.8 LP 157.0 182.6 Margins (%) -4.1 2.8 3.9 5.9 6.2 9.8 8.7 7.7 2.4 8.1 6.9

E: MOFSL estimates

Quarterly Performance (Consolidated)

Key performance Indicators (Consolidated)	(INR m)

Y/E March		FY2	23			FY2	4E		FY23	FY24E	
INRm	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE
Domestic formulations	14,920	15,841	15,213	14,785	16,384	16,915	16,582	16,042	60,759	65,924	17,187
YoY Change (%)	(8.8)	2.6	3.3	9.4	9.8	6.8	9.0	8.5	1.2	8.5	8.5
US formulations	10,104	13,295	15,271	15,503	15,905	18,666	18,360	17,145	54,173	70,076	17,220
YoY Change (%)	(24.2)	(7.0)	(3.2)	9.5	57.4	40.4	20.2	10.6	(5.9)	29.4	29.5
Europe	1,936	2,159	2,119	2,575	2,601	3,156	2,904	3,068	9,023	11,729	2,548
YoY Change (%)	56.0	26.7	13.8	30.7	34.3	46.2	37.0	19.1	24.7	30.0	18.0
ROW	6,529	7,118	7,028	7,213	7,108	7,971	7,987	8,496	27,653	31,561	7,837
YoY Change (%)	24.4	20.1	18.3	6.1	8.9	12.0	13.6	17.8	0.0	0.0	10.1
API	2,551	2,499	2,815	3,226	3,371	2,684	2,759	3,021	11,092	11,834	2,874
YoY Change (%)	3.7	(6.7)	9.8	46.4	32.1	7.4	(2.0)	(6.4)	12.0	6.7	15.0
Cost Break-up											
RM Cost (% of Sales)	43.0	41.3	39.5	39.5	35.6	33.8	34.0	33.5	41.7	34.8	35.0
Staff Cost (% of Sales)	20.8	18.6	17.7	17.4	18.3	17.1	17.3	17.8	19.0	17.9	17.9
R&D Expenses(% of Sales)	9.3	8.1	6.7	6.9	8.0	7.5	7.7	7.7	7.9	7.8	7.7
Other Cost (% of Sales)	22.5	21.5	23.3	22.5	24.0	23.3	23.5	24.5	23.0	24.2	23.6
Gross Margins (%)	57.0	58.7	60.5	60.5	64.4	66.2	66.0	66.5	58.3	65.2	65.0
EBITDA Margins (%)	4.4	10.5	12.9	13.6	14.1	18.3	17.5	16.6	10.6	16.7	15.8
EBIT Margins (%)	-0.8	5.6	7.8	7.7	9.0	13.4	12.3	11.6	5.3	11.6	10.7

E: MOFSL Estimates



Highlights from the management commentary

- The in-licensed portfolio formed 13% of domestic formulation (DF) sales in 2QFY24 vs 15.5% in FY23.
- Non in-licensed portfolio in DF grew 9.2% YoY vs. industry growth of 7% YoY.
- The price erosion in the US generics market is about mid-single digit for the quarter.
- R&D spending is expected to be INR15b-INR16b for FY24.
- LPC is expected to send an update on measures with respect to its Pune facility by Mar'23, and then follow up for the approval of Pegfilgrastim.
- LPC would be launching g-Revlimid in FY26E.

Key exhibits

Exhibit 1: The US sales increased 40% YoY in 2QFY24



Exhibit 2: DF sales up 7% YoY in 2QFY24



Source: MOFSL, Company Source: MOFSL, Company

Focus on complex formulation to drive medium-term growth

Niche launches/investments in complex drugs to improve the US business gradually

- In 1HFY24, US sales grew 48% YoY to INR16b (USD394m; up 41% in CC terms) due to a niche launch like gSpiriva, improved traction in legacy products. This was partly offset by one-off adjustments related to the discontinuation of 15 products, and shelf-stock adjustments.
- In 1HFY24, LPC received 15 ANDA approvals. It launched four products in 1HFY24.
- LPC is implementing efforts in upscaling the portfolio in complex formulation, inhalation, injectable, and biosimilar. Currently, LPC has a pipeline of 40+ injectable and 20+ inhalation products under development.
- Accordingly, we expect a 27% CAGR in the US sales over FY23-25 to USD1b.

DF – Continued traction in key therapies/improving MR productivity to drive growth

- In 1HFY24, DF sales grew at 8% YoY to INR33b, due to the revival of growth in key therapies such as cardiac/respiratory and strong outperformance in Gynecology therapy as per IMS.
- In 2QFY24, Cardiac/ Gynaecology outperformed IPM by 310bp/610bp, offsetting the decline in diabetics.
- LPC is witnessing a recovery in Anti-diabetes portfolio (non in-licensing) registering 10% growth YoY vs IPM growth of 4.9% YoY due to a reduction in competition in Cidmus and addition of new diabetic division.
- However, recovery in Anti-diabetic portfolio would be gradual due to increased competition in Ondero product. The Ondero brand registered a decline of 23% YoY in 2QFY24 and 41% YoY decline in Sep'23 as per IMS.
- With addition of new diabetic division, the total sales force of LPC stands at ~9,440. LPC is focusing on improving MR productivity, which would drive growth over the medium term.
- Accordingly, we expect a 9% CAGR in DF sales to INR72.5b over FY23-25.

Reiterate Sell

- We raise our earnings estimates by 20%/10% for FY24/FY25, factoring in: 1) better traction in limited competition opportunities, b) increased operating leverage, and c) lower effective tax rate. We value LPC at 23x 12M forward earnings to arrive at our TP of INR990.
- In addition to building a niche pipeline in injectable/nasal sprays/respiratory products, there has been a gradual improvement in core performance as well. Having said this, the valuation more than adequately factors in the earnings upside over the next 2-3 years. Hence, we retain our SELL rating.

Exhibit 4: EV/EBITDA chart

EV/EBITDA (x)

Min (x)

Exhibit 3: P/E chart P/E(x)Avg (x) Max (x) Min (x) +1SD -1SD 105.0 87.7 80.0 55.0 30.0 5.0 Aug-22 Nov-18 Feb-20 Nov-23 Nov-13

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Avg (x)

+1SD

Source: MOFSL, Company, Bloomberg

Source: MOFSL, Company, Bloomberg

Max (x)

-1SD

MOTILAL OSWAL Lupin

Story in charts

Exhibit 5: Revenue mix in 1QFY24

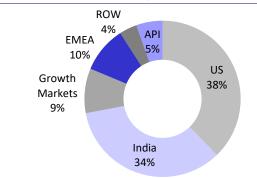


Exhibit 6: Expect 13% sales CAGR over FY23-25

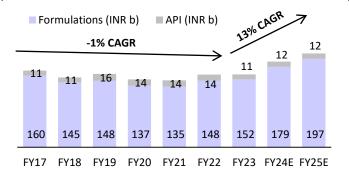


Exhibit 7: R&D spending as a % of sales to moderate

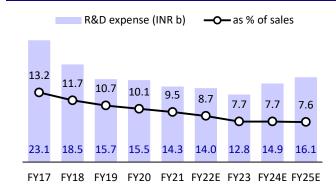


Exhibit 8: EBITDA margin to expand 650bp over FY23-25

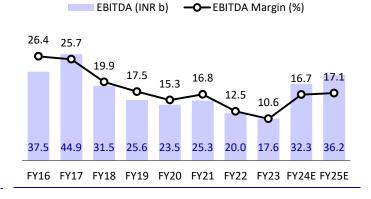


Exhibit 9: Expect EPS to be ~4x over FY23-25

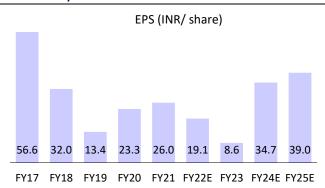
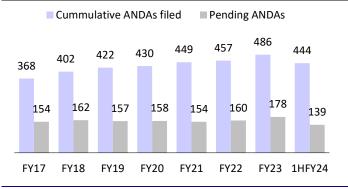


Exhibit 10: Rich ANDA pipeline



Source: MOFSL, Company,

Financials and valuations

Income Statement							(INR m)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Net Sales	1,46,646	1,53,748	1,50,930	1,60,321	1,66,417	1,93,624	2,11,810
Change (%)	-7.2	4.8	-1.8	6.2	3.8	16.3	9.4
EBITDA	25,607	23,548	25,316	19,968	17,582	32,335	36,217
Margin (%)	17.5	15.3	16.8	12.5	10.6	16.7	17.1
Depreciation	8,461	9,702	8,874	8,220	8,807	9,796	9,812
EBIT	17,147	13,846	16,442	11,748	8,775	22,539	26,405
Int. and Finance Charges	3,025	3,630	1,406	1,428	2,743	3,263	3,497
Other Income - Rec.	3,330	3,578	1,479	1,504	757	1,250	1,150
PBT before EO item	17,452	13,794	16,515	11,824	6,790	20,526	24,058
EO Expense/(Income)	3,400	6,261	-236	25,550	-375	-1,999	0
PBT after EO item	14,052	7,533	16,751	-13,726	7,165	22,525	24,058
Tax	8,879	11,571	4,485	1,372	2,688	5,029	6,256
Tax Rate (%)	63.2	153.6	26.8	-10.0	37.5	22.3	26.0
Less: Minority Interest	52	-43	-101	-183	-176	-96	-97
Reported PAT	5,121	-3,995	12,165	-15,280	4,301	17,400	17,705
PAT Adj for EO items	6,066	10,572	11,790	8,699	3,915	15,772	17,705
Change (%)	-58.0	74.3	11.5	-26.2	-55.0	302.8	12.3
Margin (%)	4.1	6.9	7.8	5.4	2.4	8.1	8.4

Consolidated Balance Sheet							(INR m)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	905	906	907	909	910	909	909
Total Reserves	1,36,517	1,24,461	1,37,124	1,20,624	1,23,695	1,39,806	1,56,185
Net Worth	1,37,422	1,25,367	1,38,031	1,21,533	1,24,605	1,40,715	1,57,094
Minority Interest	469	445	550	687	783	879	976
Deferred liabilities	-4,457	252	496	711	738	738	738
Secured Loan	70,546	25,180	6,133	6,147	4,153	2,152	152
Unsecured Laon	15,802	24,928	30,494	37,023	42,165	42,165	42,165
Total Loans	86,347	50,108	36,627	43,170	46,318	44,317	42,317
Capital Employed	2,19,781	1,76,172	1,75,704	1,66,101	1,72,444	1,86,649	2,01,125
Gross Block	72,189	76,431	85,479	95,368	1,05,127	1,13,101	1,20,113
Less: Accum. Deprn.	23,073	32,776	41,650	49,870	58,677	68,473	78,284
Net Fixed Assets	49,115	43,656	43,829	45,498	46,450	44,628	41,828
Capital WIP	10,186	7,582	8,515	8,475	8,948	7,824	7,262
Investments	22,954	23,743	24,549	9,000	5,169	5,169	5,169
Goodwill & Intangibles	67,963	37,540	37,126	31,306	40,534	40,534	40,534
Curr. Assets	1,21,935	1,35,575	1,20,283	1,22,236	1,26,861	1,43,306	1,65,770
Inventory	38,368	34,569	40,920	46,307	44,918	47,372	52,238
Account Receivables	51,498	54,459	44,743	42,619	44,807	56,492	66,034
Cash and Bank Balance	9,872	24,543	17,425	10,981	12,931	15,195	23,198
Others	22,197	22,004	17,195	22,328	24,205	24,248	24,300
Curr. Liability & Prov.	52,372	71,924	58,598	50,414	55,519	54,811	59,438
Account Payables	41,390	59,884	47,460	42,254	46,937	46,230	50,856
Provisions	10,982	12,040	11,139	8,160	8,581	8,581	8,581
Net Current Assets	69,563	63,651	61,685	71,822	71,342	88,495	1,06,332
Appl. of Funds	2,19,781	1,76,172	1,75,704	1,66,101	1,72,444	1,86,649	2,01,125

E: MOFSL Estimates

Financials and valuations

Ratios							
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
EPS (Fully Diluted)	13.4	23.3	26.0	19.1	8.6	34.7	39.0
Cash EPS (Fully Diluted)	32.1	44.8	45.5	37.2	28.0	56.3	60.5
BV/Share	303.7	276.7	304.2	267.4	273.9	309.6	345.6
DPS	5.0	9.0	7.0	9.0	2.0	2.5	2.5
Payout (%)	53.3	-119.0	30.4	-31.3	24.7	7.6	7.5
Valuation (x)							
P/E (Fully Diluted)	90.4	52.0	46.6	63.3	140.8	34.9	31.1
Cash P/E (Fully Diluted)	37.8	27.1	26.6	32.6	43.3	21.5	20.0
P/BV	4.0	4.4	4.0	4.5	4.4	3.9	3.5
EV/Sales	4.1	3.6	3.6	3.4	3.3	2.8	2.5
EV/EBITDA	23.3	23.2	21.3	27.7	31.5	17.0	14.9
Return Ratios (%)							
RoE	4.4	8.0	9.0	6.7	3.2	11.9	11.9
RoCE	3.5	4.8	7.5	8.6	3.5	10.4	10.6
RoIC	3.6	5.1	9.8	9.8	3.9	11.5	12.1
Working Capital Ratios							
Asset Turnover (x)	0.7	0.9	0.9	1.0	1.0	1.0	1.1
Fixed Asset Turnover (x)	3.0	3.3	3.5	3.6	3.6	4.3	4.9
Debtor (Days)	128	129	108	97	98	106	114
Creditor (Days)	184	162	137	129	136	135	139
Inventory (Days)	95	82	99	105	99	89	90
Leverage Ratio							
Current Ratio	2.3	1.9	2.1	2.4	2.3	2.6	2.8
Interest Cover Ratio	5.7	3.8	11.7	8.2	3.2	6.9	7.6
Debt/Equity (x)	0.6	0.2	0.1	0.3	0.3	0.2	0.1
Y/E March EBITDA	FY19 25,607	FY20 23,548	FY21 25,316	FY22 19,968	FY23 17,582	FY24E 32,335	FY25E 36,217
Interest/Dividends Recd.	3,330	3,578	1,479	1,504	757	1,250	
Direct Taxes Paid	-9,026	-6,862	-4,242				1 150
(Inc)/Dec in WC		0,002		-1 156		-5 N29	
	-1 888	20 583		-1,156 -16 581	-2,661 2 430	-5,029 -14 889	-6,256
	-1,888 18 023	20,583	-5,152	-16,581	2,430	-14,889	-6,256 -9,834
CF from Operations	18,023	40,847	-5,152 17,401	-16,581 3,735	2,430 18,108	-14,889 13,667	-6,256 -9,834 21,277
CF from Operations Others	18,023 2,036	40,847 -19,897	-5,152 17,401 581	-16,581 3,735 25,488	2,430 18,108 9,143	-14,889 13,667 1	-6,256 -9,834 21,277 2
CF from Operations Others EO expense	18,023 2,036 3,400	40,847 -19,897 6,261	-5,152 17,401 581 -236	-16,581 3,735 25,488 25,550	2,430 18,108 9,143 -375	-14,889 13,667 1 -1,999	-6,256 -9,834 21,277 2
CF from Operations Others EO expense CF from Op. incl EO Exp.	18,023 2,036 3,400 16,660	40,847 -19,897 6,261 14,688	-5,152 17,401 581 -236 18,218	-16,581 3,735 25,488 25,550 3,673	2,430 18,108 9,143 -375 27,627	-14,889 13,667 1 -1,999 15,668	-6,256 -9,834 21,277 2 0 21,279
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA	18,023 2,036 3,400 16,660 -6,123	40,847 -19,897 6,261 14,688 28,785	-5,152 17,401 581 -236 18,218 -9,567	-16,581 3,735 25,488 25,550 3,673 -4,029	2,430 18,108 9,143 -375 27,627 -19,460	-14,889 13,667 1 -1,999 15,668 -6,850	-6,256 -9,834 21,277 2 0 21,279 -6,450
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow	2,036 3,400 16,660 -6,123 11,900	40,847 -19,897 6,261 14,688 28,785 69,631	-5,152 17,401 581 -236 18,218 -9,567 7,834	-16,581 3,735 25,488 25,550 3,673 -4,029 -294	2,430 18,108 9,143 -375 27,627 -19,460 -1,352	-14,889 13,667 1 -1,999 15,668 -6,850 6,817	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746	40,847 -19,897 6,261 14,688 28,785 69,631 -788	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 0 -6,450
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -6,850	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 0 -6,450
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth Inc/(Dec) in Debt	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724 14,108	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286 -36,240	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403 -13,480	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888 6,543	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69 3,148	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -2 -2,001	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 -6,450 0 -2,000
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth Inc/(Dec) in Debt Interest Paid	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724 14,108 -3,025	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286 -36,240 -3,630	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403 -13,480 -1,406	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888 6,543 -1,428	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69 3,148 -2,743	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -2 -2,001 -3,263	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 -6,450 0 -2,000 -3,497
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth Inc/(Dec) in Debt Interest Paid Dividend Paid	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724 14,108 -3,025 -2,728	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286 -36,240 -3,630 -4,755	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403 -13,480 -1,406 -3,788	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888 6,543 -1,428 -4,786	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69 3,148 -2,743 -1,064	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -2 -2,001 -3,263 -1,329	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 -6,450 0 -2,000 -3,497 -1,329
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth Inc/(Dec) in Debt Interest Paid Dividend Paid Others	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724 14,108 -3,025 -2,728 -189	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286 -36,240 -3,630 -4,755 39,005	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403 -13,480 -1,406 -3,788 -4,581	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888 6,543 -1,428 -4,786 -19,941	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69 3,148 -2,743 -1,064 -91	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -2 -2,001 -3,263 -1,329 41	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 -6,450 0 -2,000 -3,497 -1,329
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724 14,108 -3,025 -2,728 -189 7,441	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286 -36,240 -3,630 -4,755 39,005 -8,906	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403 -13,480 -1,406 -3,788 -4,581 -18,852	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888 6,543 -1,428 -4,786 -19,941 -15,723	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69 3,148 -2,743 -1,064 -91 -819	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -2 -2,001 -3,263 -1,329 41 -6,555	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 -6,450 0 -2,000 -3,497 -1,329 1 -6,826
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity Inc/Dec of Cash	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724 14,108 -3,025 -2,728 -189 7,441 -8,724	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286 -36,240 -3,630 -4,755 39,005 -8,906 16,853	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403 -13,480 -1,406 -3,788 -4,581 -18,852 -15,173	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888 6,543 -1,428 -4,786 -19,941 -15,723 872	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69 3,148 -2,743 -1,064 -91 -819 1,951	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -2 -2,001 -3,263 -1,329 41 -6,555 2,263	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 -6,450 0 -2,000 -3,497 -1,329 1 -6,826 8,003
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity Inc/Dec of Cash Add: Beginning Balance	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724 14,108 -3,025 -2,728 -189 7,441 -8,724 14,164	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286 -36,240 -3,630 -4,755 39,005 -8,906 16,853 5,441	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403 -13,480 -1,406 -3,788 -4,581 -18,852 -15,173 22,293	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888 6,543 -1,428 -4,786 -19,941 -15,723 872 7,119	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69 3,148 -2,743 -1,064 -91 -819 1,951 7,991	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -2 -2,001 -3,263 -1,329 41 -6,555 2,263 9,942	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 -6,450 0 -2,000 -3,497 -1,329 1 -6,826 8,003 12,205
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity Inc/Dec of Cash Add: Beginning Balance Cash and Eq. on acquisition	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724 14,108 -3,025 -2,728 -189 7,441 -8,724 14,164 0	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286 -36,240 -3,630 -4,755 39,005 -8,906 16,853 5,441 0	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403 -13,480 -1,406 -3,788 -4,581 -18,852 -15,173 22,293 0	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888 6,543 -1,428 -4,786 -19,941 -15,723 872 7,119 0	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69 3,148 -2,743 -1,064 -91 -819 1,951 7,991 0	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -2 -2,001 -3,263 -1,329 41 -6,555 2,263 9,942 0	-6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 -6,450 0 -2,000 -3,497 -1,329 1 -6,826 8,003 12,205
CF from Operations Others EO expense CF from Op. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Change in Net Worth Inc/(Dec) in Debt Interest Paid Dividend Paid Others CF from Fin. Activity Inc/Dec of Cash Add: Beginning Balance	18,023 2,036 3,400 16,660 -6,123 11,900 -8,746 -17,956 -32,825 -724 14,108 -3,025 -2,728 -189 7,441 -8,724 14,164	40,847 -19,897 6,261 14,688 28,785 69,631 -788 -16,926 11,070 -3,286 -36,240 -3,630 -4,755 39,005 -8,906 16,853 5,441	-5,152 17,401 581 -236 18,218 -9,567 7,834 -806 -4,166 -14,539 4,403 -13,480 -1,406 -3,788 -4,581 -18,852 -15,173 22,293	-16,581 3,735 25,488 25,550 3,673 -4,029 -294 15,549 1,402 12,922 3,888 6,543 -1,428 -4,786 -19,941 -15,723 872 7,119	2,430 18,108 9,143 -375 27,627 -19,460 -1,352 3,831 -9,228 -24,857 -69 3,148 -2,743 -1,064 -91 -819 1,951 7,991	-14,889 13,667 1 -1,999 15,668 -6,850 6,817 0 0 -6,850 -2 -2,001 -3,263 -1,329 41 -6,555 2,263 9,942	1,150 -6,256 -9,834 21,277 2 0 21,279 -6,450 14,827 0 -6,450 -2,000 -3,497 -1,329 1 -6,826 8,003 12,205 0 20,208 2,990

Investment in securities market are subject to market risks. Read all the related documents carefully before investing

NOTES

Explanation of Investment Rating						
Investment Rating	Expected return (over 12-month)					
BUY	>=15%					
SELL	<-10%					
NEUTRAL	< - 10 % to 15%					
UNDER REVIEW	Rating may undergo a change					
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation					

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

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