MOTILAL OSWAL

FINANCIAL SERVICES

12 February 2025 3QFY25 Results Update | Sector: Healthcare

Lupin

Estimate change	1
TP change	1
Rating change	

Bloomberg	LPC IN
Equity Shares (m)	456
M.Cap.(INRb)/(USDb)	924 / 10.6
52-Week Range (INR)	2403 / 1493
1, 6, 12 Rel. Per (%)	-6/2/20
12M Avg Val (INR M)	2316

Financials & Valuations (INR b)

FY27E 277.9 61.1 38.4 17.9 84.5
61.1 38.4 17.9 84.5
38.4 17.9 84.5
17.9 84.5
84.5
8.1
541.4
-0.3
16.9
16.3
0.0
23.9
13.9
0.0
3.8
3.1

Shareholding pattern (%)

As On	Dec-24	Sep-24	Dec-23
Promoter	47.0	47.0	47.0
DII	24.8	25.1	29.7
FII	22.0	21.5	16.1
Others	6.3	6.4	7.1

FII Includes depository receipts

CMP: INR2,025 TP: INR2,150 (+6%)

Neutral

India, the US, and controlled costs drive earnings

On track to sustain the growth momentum in the US market

- Lupin (LPC) delivered a better-than-expected performance for the quarter. LPC exhibited growth across focus markets except in emerging markets. New launches in the US/Domestic Formulation (DF) markets as well as increasing penetration in the branded prescription market and controlled opex led to profitable growth for the quarter.
- We raise our earnings estimates by 5%/3%/1% for FY25/FY26/FY27 to factor in: 1) the benefits from the PLI scheme, 2) a robust ANDA pipeline for the US market, and 3) an enhanced reach for prescription, trade generics as well as diagnostic businesses in the India market. We value LPC at 26x 12M forward earnings to arrive at our TP of INR2,150.
- With EBITDA reaching almost 3x over FY23-25E, we expect LPC to deliver 8% EBITDA CAGR over FY25-27, led by niche launches in the US market and superior execution in the DF market. The current valuation adequately captures the earnings upside, and hence we reiterate our Neutral rating.

Superior product mix and better operating leverage drive margins YoY

- LPC's revenue grew 11% YoY to INR57.7b. (our est. INR57.4b). The US sales grew 12.3% YoY to INR21.2b (up 11% YoY in CC to USD235m; 38% of sales). DF sales rose 11.9% YoY to INR19.3b (34% of sales). EMEA sales grew 20.9% YoY to INR6.2b (11% of sales). API sales increased 4% YoY to INR2.9b (5% of sales). ROW sales rose 1.8% YoY to INR2b (4% of sales). However, EM sales declined 4.7% YoY to INR4.5b (8% of sales).
- Gross margin expanded 340bp YoY to 70.2% due to a better product mix.
- EBITDA margin improved 550bp YoY to 25.2%, primarily led by better GM and supported by reduced other expenses (-210bp YoY as a % of sales).
- As a result, EBITDA grew 42% YoY to INR14.5b (vs our est: INR12.5b).
- Adjusting for the provision related to the ongoing disputes of INR856m and a forex loss of INR100m, adj. PAT grew 55.4% YoY INR9.3b (our est: INR7.6b).
- In 9MFY25, LPC's revenue/EBITDA/PAT grew 14%/56%/88% YoY to INR169b/ INR40.5b/INR26b.

Highlights from the management commentary

- LPC expects the EBITDA margin to be 23-23.5% for FY25. LPC delivered a 9MFY25 EBITDA margin of 24%.
- LPC expects a double-digit YoY growth in the US business vs. earlier guidance of a single-digit YoY growth for FY25.
- LPC indicated USD1b of US sales for FY26 assuming competition in Mirabegron and Albuterol, while additional business from Tolvaptan (1HFY26) and injectables (2HFY26).
- R&D spending will be INR18b for FY25, implying R&D to be higher for 4QFY25. Complex generics 5 nasal sprays are expected to be filed in 4Q.
- LPC filed Ranibizumab for the EU market.

Tushar Manudhane - Research Analyst (Tushar.Manudhane@MotilalOswal.com)

Research Analyst - Akash Manish Dobhada (Akash.Dobhada@MotilalOswal.com) | Viraj Shah (Viraj.Shah@MotilalOswal.com)

Investors are advised to refer through important disclosures made at the last page of the Research Report. Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

MOTILAL OSWAL

Ouarterly Performance (Consolidated)

Quarterly Performance	(consonauted	FY	24			EV	25E		FY24	FY25E	FY25E	(INR m) % Var
Y/E March				10	10		-	405	F124	FTZSE		/0 V di
	10	2Q	3Q		1Q	2Q	3Q	4QE			3QE	
Net Sales	46,087						56,927		1,98,054		57,448	-0.9
YoY Change (%)	23.1	21.5	20.2	12.0	21.5	10.0	9.5	11.2	19.0	12.8	10.5	
Total Expenditure	39,574	41,153	41,755	39,640	42,389	43,059	43,162	42,591	1,62,123	1,71,202	44,982	
EBITDA	6,513	9,232	10,220	9,968	13,614	12,368	13,765	12,553	35,932	52,299	12,466	10.4
YoY Change (%)	297.3	112.6	83.8	65.0	109.0	34.0	34.7	25.9	104.4	45.6	22.0	
Margins (%)	14.1	18.3	19.7	20.1	24.3	22.3	24.2	22.8	18.1	23.4	21.7	
Depreciation	2,347	2,479	2,572	2,559	2,477	2,569	2,715	2,495	9,956	10,256	2,575	
EBIT	4,166	6,754	7,648	7,409	11,137	9,799	11,050	10,058	25,977	42,044	9,891	11.7
YoY Change (%)	LP	192.7	127.9	117.9	167.3	45.1	44.5	35.7	196.0	61.9	29.3	
Margins (%)	9.0	13.4	14.7	14.9	19.9	17.7	19.4	18.2	13.1	18.8	17.2	
Interest	856	806	740	713	680	709	669	711	3,116	2,769	698	
Other Income	228	404	294	293	678	423	537	462	1,218	2,100	525	
EO Exp/(Inc)	-2,053	54	-160	2,012	1,204	-1,036	956	0	-147	1,124	0	
PBT	5,591	6,298	7,361	4,977	9,9 30	10,549	9,963	9,808	24,227	40,251	9,718	2.5
Тах	1,055	1,344	1,174	1,295	1,875	1,954	2,124	2,322	4,867	8,275	2,138	
Rate (%)	18.9	21.3	15.9	26.0	18.9	18.5	21.3	23.7	20.1	20.6	22.0	
Minority Interest	-11	-57	-56	-88	-42	-69	-37	51	-211	-97	-24	
Reported PAT	4,525	4,898	6,131	3,594	8,013	8,526	7,802	7,536	19,149	31,879	7,556	3.3
Adj PAT	2,855	4,940	5,997	5,083	8,990	7,682	8,554	7,537	18,875	32,764	7,556	13.2
YoY Change (%)	LP	319.9	256.1	95.0	214.9	55.5	42.6	48.3	382.1	73.6	26.0	
Margins (%)	6.2	9.8	11.5	10.2	16.1	13.9	15.0	13.7	9.5	14.7	13.2	
EPS	6	11	13	11	20	17	19	17	42	72	17	3.3

E: MOFSL estimates

Key Performance Indicators (Consolidated)

Key Performance Indicators (Conso	lidated)									(INR m)
Y/E March		FY2	4			FY	25E		FY24	FY25E
INRm	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE		
Domestic formulations	16,384	16,915	17,251	16,015	19,259	20,096	19,305	18,361	66,564	77,021
YoY Change (%)	9.8	6.8	13.4	8.3	17.5	18.8	11.9	14.7	9.6	15.7
US formulations	15,905	18,666	18,885	19,006	20,408	19,711	21,213	21,514	72,462	82,846
YoY Change (%)	57.4	40.4	23.7	22.6	28.3	5.6	12.3	13.2	33.8	14.3
EMEA	3987	4759	5170	5318	5031	5693	6249	5724	19235	22697
YoY Change (%)	19.6	23.9	36.0	17.3	26.2	19.6	20.9	7.6	24.0	18.0
Emerging Market	4066	4378	4729	5093	5151	4896	4508	4442	18266	18997
YoY Change (%)	(4.0)	(1.6)	12.9	16.1	26.7	11.8	(4.7)	(12.8)	5.8	4.0
ROW	1,655	1,990	1,985	938	1,672	1,629	2,020	1,904	6,568	7,225
YoY Change (%)	85.3	101.8	71.4	8.1	1.0	(18.1)	1.8	103.0	68.2	10.0
API	3,371	2,684	2,779	2,581	3,622	2,944	2,891	2,757	11,415	12,214
YoY Change (%)	32.1	7.4	(1.3)	(20.0)	7.4	9.7	4.0	6.8	2.9	7.0
Cost Break-up										
RM Cost (% of Sales)	35.6	33.8	33.2	31.7	31.2	30.5	30.2	30.1	34.2	30.8
Staff Cost (% of Sales)	18.3	17.1	17.1	18.1	17.3	18.2	17.3	17.6	18.0	17.8
R&D Expenses(% of Sales)	8.0	7.5	6.9	8.6	6.2	8.1	7.6	8.9	7.8	7.8
Other Cost (% of Sales)	24.0	23.3	23.2	21.5	21.0	20.9	20.7	20.7	23.4	21.0
Gross Margin (%)	64.4	66.2	66.8	68.3	68.8	69.5	69.8	69.9	65.8	69.2
EBITDA Margin (%)	14.1	18.3	19.7	20.1	24.3	22.3	24.2	22.8	18.1	23.4
EBIT Margin (%)	9.0	13.4	14.7	14.9	19.9	17.7	19.4	18.2	13.1	18.8
E: MOFSL Estimates										



Highlights from the management commentary

- LPC is readying itself for the Semaglutide business opportunity and would be in the first wave of launches in Canada, India, and other international markets for injectables. It is developing oral solids internally.
- The expected ETR for FY25 to be ~21-22%
- In M&A, the company's main focus would be India and its Specialty portfolio and then the US generic markets.

US market (38% of sales)

- FY26 would have potential launches like g-Tolvaptan, g-Glucagon, g-Liraglutide, and g-Risperdal-consta in the US market.
- LPC hopes to receive 30-40% market share in Tolvaptan based on the partnership established with channel partners. It expects 2-3 additional players in this product post-exclusivity.
- Risperdal-consta will be manufactured at CMO in the Netherlands and the site will be inspected without any USFDA classification.
- The company plans to file Ranibizumab in the US in the coming quarters.
- The flu season is picking up in the US, which would benefit the respiratory portfolio during 4QFY25.
- The company expects that g-Etnercept to be an FY29 opportunity.
- From FY27, the company would file many green propellant products in the US market including NDA products in respiratory therapy.
- LPC expects to continue to sell g-Mirabegron at risk. LPC has witnessed an increase in market share as well in this product.
- LPC working on the Respiratory platform, and injectables (Robust pipeline of peptide, iron colloid, depot, liposomal, and 505(b)(2) injectable products in development).
- The company expects that Suprep's market share to increase above 40% in FY26. The current TRx and Rx market share for Suprep is 50%+ and 40%+.
- The company witnesses low-single-price erosion in the base business during the quarter.

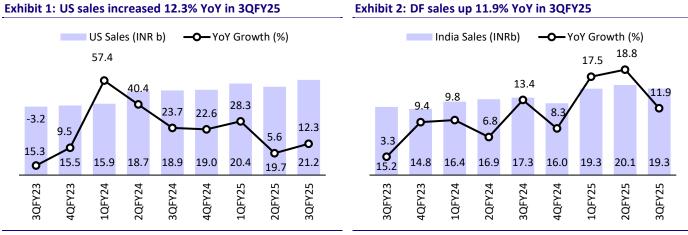
India Market (34% of sales)

- Innovative products, 10K MRs, and in-licensed products to drive IPM outperformance in the Indian market.
- The Rx growth during the quarter is 5.8% YoY and for 9MFY25 is 9.1% YoY.
- For Semaglutide the company would outsource the manufacturing of injectables to its partner. Further, it has an additional capacity at Nagpur to scale up manufacturing, if required.

EMEA Market (11% of sales)

The company expects a growth of 21% led by market share gains in key products like luforbec and expansion in new markets.

Key exhibits



Source: MOFSL, Company

Source: MOFSL, Company

Niche portfolio to drive growth

US – Building a strong pipeline to sustain the medium-term growth momentum

- In 9MFY25, the US sales grew 15% YoY to INR61b (USD682m; up 12.5% in CC terms), aided by the strong momentum in respiratory products including Tiotropium/Albuterol and new product launches like Mirabegron/Doxycycline offset by a decline in Suprep/Darunavir led by additional competition.
- In 9MFY25, LPC received 22 ANDA approvals and launched 7 products.
- The company is expanding its portfolio in complex formulations, inhalation, injectables, and biosimilars, with 40+ injectables and 20+ inhalation products in development. It plans to file 30+ complex products in the US within two years.
- LPC plans to file Ranibizumab in the coming quarters and awaits USFDA approval for Pegfilgrastim, with Aflibercept and other biosimilars in development.
- Having said this over the short term, Pred Forte, Tolavptan, and other key drugs with CGT approval to drive growth.
- Further, the company is planning to launch limited competition products in the US in oral solids as well as injectable dosages.
- Accordingly, we expect an 8% CAGR in the US sales over FY25-27 to USD1.1b.

DF - Superior execution and new launches to drive growth

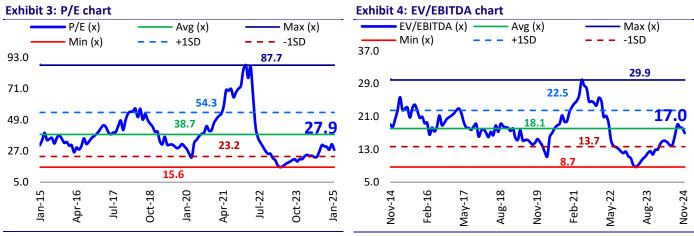
- In 9MFY25, DF sales grew 16% YoY to INR59b, due to strong growth in key therapies, offsetting subdued performance in gynaec therapy.
- In 3QFY25, Diabetes/Cardiac drove the growth while gynaec/anti-infective therapy dragged the growth.
- The company is focusing on increasing the contribution from chronic therapies and growing in new areas such as biosimilars.
- Moreover, the company is planning to launch GLP-1 products in India postpatent expiry.
- LPC continues to look for M&A, which would drive growth.
- Accordingly, we expect an 11% CAGR in DF sales to INR96b over FY25-27.

MOTILAL OSWAL

Maintain Neutral

- We raise our earnings estimates by 5%/3%/1% for FY25/FY26/FY27 to factor in:

 the benefits from the PLI scheme, 2) a robust ANDA pipeline for the US market, and 3) an enhanced reach for prescription, trade generics as well as diagnostic businesses in the India market. We value LPC at 26x 12M forward earnings to arrive at our TP of INR2,150.
- With EBITDA reaching almost 3x over FY23-25E, we expect LPC to deliver 8% EBITDA CAGR over FY25-27, led by niche launches in the US market and superior execution in the DF market. The current valuation adequately captures the earnings upside, and hence we reiterate our Neutral rating.



Source: MOFSL, Company, Bloomberg

Source: MOFSL, Company, Bloomberg

Story in charts

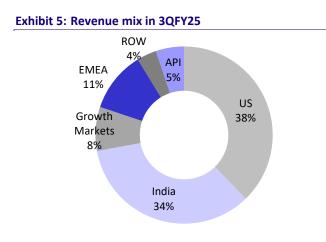


Exhibit 7: R&D spending to stabilize ~8% going forward

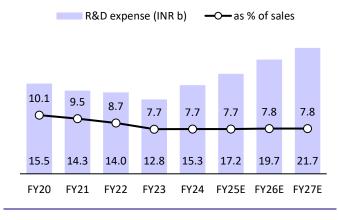
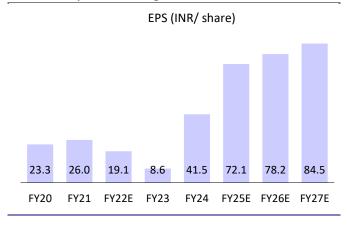


Exhibit 9: Expect EPS to register 8.2% CAGR over FY25-27



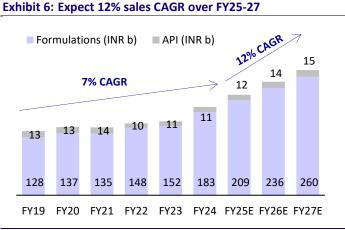




Exhibit 8: EBITDA margin to dip 140bp over FY25-27

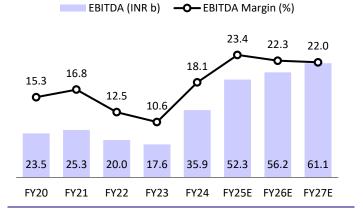
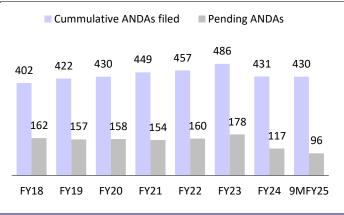


Exhibit 10: 96 ANDAs pending approval



Source: MOFSL, Company,

Financials and valuations

									(INR m
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Net Sales	1,46,646	1,53,748	1,50,930	1,60,321	1,66,417	1,98,054	2,23,502	2,52,134	2,77,861
Change (%)	-7.2	4.8	-1.8	6.2	3.8	19.0	12.8	12.8	10.2
EBITDA	25,607	23,548	25,316	19,968	17,582	35,932	52,299	56,225	61,126
Margin (%)	17.5	15.3	16.8	12.5	10.6	18.1	23.4	22.3	22.0
Depreciation	8,461	9,702	8,874	8,220	8,807	9,956	10,256	10,797	11,368
EBIT	17,147	13,846	16,442	11,748	8,775	25,977	42,044	45,427	49,758
Int. and Finance Charges	3,025	3,630	1,406	1,428	2,743	3,116	2,769	2,344	1,919
Other Income - Rec.	3,330	3,578	1,479	1,504	757	1,218	2,100	1,450	1,200
PBT before EO item	17,452	13,794	16,515	11,824	6,790	24,079	41,375	44,533	49,039
EO Expense/(Income)	3,400	6,261	-236	25,550	-375	-147	1,124	0	0
PBT after EO item	14,052	7,533	16,751	-13,726	7,165	24,227	40,251	44,533	49,039
Тах	8,879	11,571	4,485	1,372	2,688	4,867	8,275	8,907	10,544
Tax Rate (%)	63.2	153.6	26.8	-10.0	37.5	20.1	20.6	20.0	21.5
Less: Minority Interest	52	-43	-101	-183	-176	-211	-97	-97	-97
Reported PAT	5,121	-3,995	12,165	-15,280	4,301	19,149	31,879	35,529	38,398
PAT Adj for EO items	6,066	10,572	11,790	8,699	3,915	18,875	32,764	35,529	38,398
Change (%)	-58.0	74.3	11.5	-26.2	-55.0	382.1	73.6	8.4	8.1
Margin (%)	4.1	6.9	7.8	5.4	2.4	9.5	14.7	14.1	13.8
Adj Net Profit	6,066	10,572	11,790	8,699	3,915	18,875	32,764	35,529	38,398
Consolidated Balance Sheet									(INR m)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Equity Share Capital	905	906	907	909	910	909	909	909	909
Total Reserves	1,36,517	1,24,461	1,37,124	1,20,624	1,23,695	1,41,992	1,72,541	2,06,742	2,45,143
Net Worth	1,37,422	1,25,367	1,38,031	1,21,533	1,24,605	1,42,901	1,73,450	2,07,651	2,46,052
Minority Interest	469	445	550	687	783	831	928	1,025	1,122
Deferred liabilities	-4,457	252	496	711	738	-567	-567	-567	-567
Secured Loan	70,546	25,180	6,133	6,147	4,153	3,115	2,865	2,615	2,365
Unsecured Loan	15,802	24,928	30,494	37,023	42,165	26,699	22,699	18,699	14,699
Total Loans	86,347	50,108	36,627	43,170	46,318	29,814	25,564	21,314	17,064
Capital Employed	2,19,781	1,76,172	1,75,704	1,66,101	1, 72, 444	1,72,979	1,99,375	2,29,423	2,63,671
Gross Block	72,189	76,431	85,479	95,368	1,05,127	1,17,618	1,23,696	1,30,360	1,37,117
Less: Accum. Deprn.	23,073	32,776	41,650	49,870	58,677	68,632	78,888	89,685	1,01,053
Net Fixed Assets	49,115	43,656	43,829	45,498	46,450	48,986	44,808	40,675	36,064
Capital WIP	10,186	7,582	8,515	8,475	8,948	5,957	6,328	6,514	6,607
Investments	22,954	23,743	24,549	9,000	5,169	10,747	10,747	10,747	10,747
Goodwill & Intangibles	67,963	37,540	37,126	31,306	40,534	41,566	41,566	41,566	41,566
Curr. Assets	1,21,935	1,35,575	1,20,283	1,22,236	1,26,861	1,29,656	1,56,379	1,99,610	2,45,291
Inventory	38,368	34,569	40,920	46,307	44,918	49,539	50,308	60,081	68,198
Account Receivables	51,498	54,459	44,743	42,619	44,807	46,920	55,151	63,476	72,177
Cash and Bank Balance	9,872	24,543	17,425	10,981	12,931	12,025	29,697	54,772	83,634
Others	22,197	22,004	17,195	22,328	24,205	21,171	21,223	21,281	21,281
Curr. Liability & Prov.	52,372	71,924	58,598	50,414	55,519	63,931	60,453	69,689	76,603
Account Payables	41,390	59,884	47,460	42,254	46,937	54,928	51,450	60,686	67,600
Provisions	10,982	12,040	11,139	8,160	8,581	9,003	9,003	9,003	9,003
Net Current Assets	69,563	63,651	61,685	71,822	71,342	65,725	95,926	1,29,922	1,68,688
Appl. of Funds	2,19,781	1,76,172	1,75,704	1,66,101	1,72,444	1,72,979	1,99,375	2,29,423	2,63,671

E: MOFSL Estimates

Financials and valuations

Ratios									
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
EPS (Fully Diluted)	13.4	23.3	26.0	19.1	8.6	41.5	72.1	78.2	84.5
Cash EPS (Fully Diluted)	32.1	44.8	45.5	37.2	28.0	63.4	94.7	101.9	109.5
BV/Share	303.7	276.7	304.2	267.4	273.9	314.4	381.6	456.9	541.4
DPS	5.0	9.0	7.0	9.0	2.0	2.5	2.5	2.5	0.0
Payout (%)	53.3	-119.0	30.4	-31.3	24.7	6.9	4.2	3.7	0.0
Valuation (x)									
P/E (Fully Diluted)	150.7	86.7	77.7	105.5	234.7	48.6	28.0	25.8	23.9
Cash P/E (Fully Diluted)	62.9	45.1	44.4	54.3	72.2	31.8	21.3	19.8	18.4
P/BV	6.7	7.3	6.6	7.6	7.4	6.4	5.3	4.4	3.7
EV/Sales	6.8	6.1	6.2	5.9	5.7	4.7	4.1	3.5	3.1
EV/EBITDA	38.8	40.1	37.0	47.6	54.1	26.0	17.5	15.7	13.9
Return Ratios (%)									
RoE	4.4	8.0	9.0	6.7	3.2	14.1	20.7	18.6	16.9
RoCE	3.5	4.8	7.5	8.6	3.5	12.6	18.9	17.5	16.3
RoIC	3.6	5.1	9.8	9.8	3.9	14.3	22.5	23.4	24.4
Working Capital Ratios									
Asset Turnover (x)	0.7	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.1
Fixed Asset Turnover (x)	3.0	3.3	3.5	3.6	3.6	4.2	4.8	5.9	7.2
Debtor (Days)	128	129	108	97	98	86	90	92	95
Creditor (Days)	184	162	137	129	136	163	154	156	159
Inventory (Days)	95	82	99	105	99	91	82	87	90
Leverage Ratio									
Current Ratio	2.3	1.9	2.1	2.4	2.3	2.0	2.6	2.9	3.2
Interest Cover Ratio	5.7	3.8	11.7	8.2	3.2	8.3	15.2	19.4	25.9
Debt/Equity (x)	0.6	0.2	0.1	0.3	0.3	0.1	0.0	-0.2	-0.3

Cash Flow Statement

cash now Statement									
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
EBITDA	25,607	23,548	25,316	19,968	17,582	35,932	52,299	56,225	61,126
Interest/Dividends Recd.	3,330	3 <i>,</i> 578	1,479	1,504	441	835	2,100	1,450	1,200
Direct Taxes Paid	-9,026	-6,862	-4,242	-1,156	-2,432	-3,261	-8,275	-8,907	-10,544
(Inc)/Dec in WC	-1,888	20,583	-5,152	-16,581	3,265	855	-12,530	-8,921	-9,904
CF from Operations	18,023	40,847	17,401	3,735	18,857	34,361	33,595	39,847	41,878
Others	2,036	-19,897	581	25,488	-261	2,269	2	2	2
EO expense	3,400	6,261	-236	25 <i>,</i> 550	-375	-147	1,124	0	0
CF from Op. incl EO Exp.	16,660	14,688	18,218	3,673	18,972	36,777	32,473	39,849	41,880
(inc)/dec in FA	-6,123	28,785	-9,567	-4,029	-17,521	-10,631	-6,450	-6,850	-6,850
Free Cash Flow	11,900	69,631	7,834	-294	1,336	23,730	27,145	32,997	35,028
(Pur)/Sale of Investments	-8,746	-788	-806	15,549	3,958	-5,374	0	0	0
Others	-17,956	-16,926	-4,166	1,402	696	-1,117	0	0	0
CF from Investments	-32,825	11,070	-14,539	12,922	- 12,868	-17,122	-6,450	-6,850	-6,850
Change in Net Worth	-724	-3,286	4,403	3,888	19	145	-3	-2	1
Inc/(Dec) in Debt	14,108	-36,240	-13,480	6,543	1,728	-16,171	-4,250	-4,250	-4,250
Interest Paid	-3,025	-3,630	-1,406	-1,428	-3,295	-3,988	-2,769	-2,344	-1,919
Dividend Paid	-2,728	-4,755	-3,788	-4,786	-1,825	-1,828	-1,329	-1,329	0
Others	-189	39,005	-4,581	-19,941	-781	1,281	1	1	1
CF from Fin. Activity	7,441	-8,906	-18,852	-15,723	-4,154	-20,561	-8,351	-7,925	-6,167
Inc/Dec of Cash	-8,724	16,853	-15,173	872	1,950	-906	17,672	25,074	28,862
Add: Beginning Balance	14,164	5,441	22,293	7,119	7,991	9,942	9,036	26,708	51,781
Cash/Cash Eq. at end of the year	5,441	22,293	7,119	7,991	9,942	9,036	26,708	51,781	80,644
Forex/Bank	4,431	2,250	10,305	2,990	2,990	2,990	2,990	2,990	2,990
Closing Balance	9,872	24,543	17,425	10,981	12,931	12,026	29,698	54,772	83,634

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

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.

Disclosures

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations). Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or

derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proc https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx Proceedings Motilal Oswal Financial available of Services Limited are on the website

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH00000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the"1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets (Singapore) Pte. Ltd. ("MOCMSPL") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore. This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to grievances@motilaloswal.com.

Nainesh Rajani

Email: nainesh.raiani@motilaloswal.com Contact: (+65) 8328 0276

Specific Disclosures

- Research Analyst and/or his/her relatives do not have a financial interest in the subject company(ies), as they do not have equity holdings in the subject company(ies). MOFSL has financial interest in the subject company(ies) at the end of the week immediately preceding the date of publication of the Research Report: Yes.
- Nature of Financial interest is holding equity shares or derivatives of the subject company 2 Research Analyst and/or his/her relatives do not have actual/beneficial ownership of 1% or more securities in the subject company(ies) at the end of the month immediately
- preceding the date of publication of Research Report. MOFSL has actual/beneficial ownership of 1% or more securities of the subject company(ies) at the end of the month immediately preceding the date of publication of Research
- Report:No 3. Research Analyst and/or his/her relatives have not received compensation/other benefits from the subject company(ies) in the past 12 months.
- MOFSL may have received compensation from the subject company(ies) in the past 12 months.
- 4. Research Analyst and/or his/her relatives do not have material conflict of interest in the subject company at the time of publication of research report.
- MOFSL does not have material conflict of interest in the subject company at the time of publication of research report.
- Research Analyst has not served as an officer, director or employee of subject company(ies). 5
- MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months. 6.
- MOFSL has not received compensation for investment banking /merchant banking/brokerage services from the subject company(ies) in the past 12 months.
- MOFSL may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company(ies) 8
- in the past 12 months. 9 MOFSL may have received compensation or other benefits from the subject company(ies) or third party in connection with the research report.
- 10 MOFSL has not engaged in market making activity for the subject company.

The associates of MOFSL may have: financial interest in the subject company actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance. received compensation/other benefits from the subject company in the past 12 months

any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

acted as a manager or co-manager of public offering of securities of the subject company in past 12 months

- be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.
- The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures. Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. 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 its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not 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. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays. This report is meant for the clients of Motilal Oswal only.

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

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-40548085.

Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI: ARN .: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products. Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to arievances@motilaloswal.com. for DP to doprievances@motilaloswal.com.