

Alkem Laboratories

1
1
←

Bloomberg	ALKEM IN
Equity Shares (m)	120
M.Cap.(INRb)/(USDb)	481.5 / 5.8
52-Week Range (INR)	4271 / 2835
1, 6, 12 Rel. Per (%)	16/9/18
12M Avg Val (INR M)	531

Financials & Valuations (INR b)

Y/E MARCH	FY23	FY24E	FY25E
Sales	116.0	127.9	143.2
EBITDA	16.8	22.0	25.8
Adj. PAT	12.7	17.8	20.7
EBIT Margin (%)	11.8	15.0	15.8
Cons. Adj. EPS (INR)	106.0	149.2	173.0
EPS Gr. (%)	-23.2	40.7	15.9
BV/Sh. (INR)	756.6	868.7	1,002.7
Ratios			
Net D:E	-0.1	-0.2	-0.2
RoE (%)	14.3	18.4	18.5
RoCE (%)	11.3	17.1	17.2
Payout (%)	23.7	22.5	22.5
Valuations			
P/E (x)	37.9	27.0	23.3
EV/EBITDA (x)	27.9	21.0	17.6
Div. Yield (%)	0.4	0.7	0.8
FCF Yield (%)	3.8	2.0	2.5
EV/Sales (x)	4.0	3.6	3.2

Shareholding pattern (%)

As On	Sep-23	Jun-23	Sep-22
Promoter	56.7	57.2	57.2
DII	17.6	16.3	15.7
FII	6.0	5.6	4.5
Others	19.6	20.9	22.7

FII Includes depository receipts

CMP: INR4,027 TP: INR3,920 (-3%) Neutral Strong operating leverage drives profitability

ANDA filings to accelerate in 2HFY24

- Alkem Laboratories (ALKEM) delivered a strong beat on 2QFY24 earnings. An improved performance in the US generics and moderating raw material costs led the sharp improvement in operating margins for the quarter. Given the surplus cash, ALKEM is looking for inorganic opportunities in chronic therapies and the consumer healthcare space.
- We raise our earnings estimates by 21%/11% for FY24/FY25 factoring in: 1) increased share of relatively high-margin products in the US generics segment, 2) benefits from reduced raw material costs, and 3) reduction in effective tax rate. We value ALKEM at 22x 12M forward earnings to arrive at our TP of INR3,920.
- We expect 28% earnings CAGR over FY23-25 on the back of 11%/10% sales CAGR in the US generics/DF segments and 350bp margin expansion. Even the P/E multiple assigned is largely in-line with its five-year average. Considering these factors, we believe the current valuation adequately factors in the earnings upside. **Reiterate Neutral.**

Lower RM costs and stable opex drive margin on YoY/QoQ basis

- ALKEM's 2QFY24 revenue grew 12% YoY to INR34b (in line). Domestic business rose 5% YoY to INR23b (68% of sales). International business grew 27% YoY to INR10.5b. Within international business, the US sales jumped 27% YoY to INR7.6b (22% of sales). Other international sales grew 27% YoY to INR2.9b (8% of sales) during the quarter.
- Gross margin expanded 390bp YoY to 61.4% due to lower raw material prices.
- EBITDA margin expanded 700bp YoY to 21.7% (our est: 16%) due to higher GM and lower R&D costs/employee expenses (-90bp/-240bp YoY as a % of sales).
- Accordingly, EBITDA jumped 64.5% YoY to INR7.5b (v/s est. of INR5.3b).
- Adj PAT doubled YoY to INR6.7b (our est: INR4b) due to lower taxes.
- For 1HFY24, revenue/EBITDA/PAT grew 13%/56%/85% YoY to INR64b/INR11b/INR10b.

Highlights from the management commentary

- ALKEM raised its EBITDA margin guidance to 16.5% from 16.0% for FY24.
- Moderation in RM costs and reconfiguration of the US generics portfolio enabled better margins for the quarter.
- ALKEM is now open to M&A opportunities in the DF segment (had surplus cash of INR29b at end-2QFY24). It would look at chronic portfolio/consumer healthcare segments for inorganic growth opportunities.
- Given that there was a small element of seasonality in the US generics, the scope of sustainability is higher in sales going forward.
- The pricing deflation remained in mid-single digit in the US generics.

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

Quarterly Perf. (Consolidate	ted)											(INR b)
Y/E March		FY2	23			FY2	4E		FY23E	FY24E		Vaq
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE	%
Net Revenues	25.8	30.8	30.4	29.0	29.7	34.4	32.4	31.4	116.0	127.9	33.3	3.5
YoY Change (%)	-5.7	10.0	16.1	16.9	15.2	11.7	6.6	8.1	9.1	10.2	8.0	
Total Expenditure	23.0	26.3	24.4	25.5	25.8	26.9	26.5	26.6	64.4	65.7	27.9	
EBITDA	2.7	4.5	6.0	3.5	3.9	7.5	5.9	4.7	16.8	22.0	5.3	40.4
YoY Change (%)	-53.9	-27.3	20.2	4.8	42.4	64.5	-1.5	34.0	-18.2	31.0	17.2	
Margins (%)	10.6	14.7	19.7	12.2	13.1	21.7	18.2	15.1	14.5	17.2	16.0	
Depreciation	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	3.1	2.8	0.7	
EBIT	2.0	3.8	5.2	2.7	3.2	6.7	5.2	4.1	13.7	19.2	4.6	
YoY Change (%)	-62.3	-31.7	23.7	8.2	60.8	78.7	-0.9	50.4	-21.0	9.7	21.9	
Margins (%)	7.6	12.2	17.1	9.5	10.7	19.6	15.9	13.2	11.8	15.0	13.8	
Interest	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.2	1.1	1.1	0.3	
Other Income	0.5	0.5	0.5	0.7	0.7	0.6	0.7	0.7	2.2	2.7	0.7	
PBT before EO Exp	2.2	4.0	5.4	3.1	3.5	7.1	5.5	4.6	14.8	20.7	5.0	41.4
EO Exp/(Inc)	0.7	0.0	0.0	1.0	0.0	0.6	0.0	0.0	1.7	0.6	-	
PBT after EO Exp	1.5	4.0	5.4	2.1	3.5	6.5	5.5	4.6	13.0	20.2	5.0	
Tax	0.2	0.5	0.8	1.4	0.7	0.3	0.9	0.8	3.0	2.6	1.0	
Rate (%)	13.5	13.6	14.6	68.0	18.4	5.1	16.0	16.3	20.2	12.6	20.0	
PAT (pre Minority Interest)	1.3	3.5	4.6	0.7	2.9	6.1	4.6	3.9	10.1	17.5	4.0	
Minority Interest	0.0	0.2	0.1	0.0	0.0	-0.1	0.1	0.2	0.2	0.3	0.0	
Reported PAT	1.3	3.3	4.5	0.7	2.9	6.2	4.5	3.7	9.8	17.3	4.0	56.5
Adj Net Profit	1.9	3.3	4.5	2.9	2.9	6.8	4.5	3.7	12.7	17.8	4.0	70.3
YoY Change (%)	-59.8	-39.7	12.2	28.2	52.3	104.1	-0.6	25.8	-23.2	40.7	19.8	

	(Consolidate)	

Y/E March		FY2	:3			FY2	4E		FY23	FY24E	FY24E
INRm	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE
India formulations	17,815	22,161	19,922	20,113	19,007	23,278	22,113	22,013	80,011	86,412	23,491
YoY Change (%)	(6.7)	13.0	9.7	17.0	6.7	5.0	11.0	9.4	8.1	8.0	6.0
US generics	5,565	6,040	7,612	5,916	6,955	7,675	7,460	6,662	25,134	28,752	6,946
YoY Change (%)	(7.9)	(0.9)	32.8	9.2	25.0	27.1	(2.0)	12.6	7.9	14.4	15.0
International (Ex-US)	2,039	2,251	2,316	2,654	3,191	2,866	2,849	2,853	9,259	11,759	2,814
YoY Change (%)	9.6	15.2	17.1	33.3	56.5	27.3	23.0	7.5	18.9	27.0	25.0
Cost Break-up											
RM Cost (% of Sales)	42.5	42.4	41.1	43.3	40.4	38.6	39.0	40.2	42.3	39.5	40.5
Staff Cost (% of Sales)	20.7	18.5	17.3	17.3	19.1	16.1	17.4	18.4	18.4	17.7	17.0
R&D Expenses(% of Sales)	5.1	4.2	4.3	5.1	4.1	3.4	4.2	4.8	4.7	4.0	4.1
Other Cost (% of Sales)	21.1	20.0	17.7	22.2	23.3	20.2	21.2	23.7	20.2	21.6	22.4
Gross Margins (%)	57.5	57.6	58.9	56.7	59.6	61.4	61.0	59.8	57.7	60.5	59.5
EBITDA Margins (%)	10.6	14.7	19.7	12.2	13.1	21.7	18.2	15.1	14.5	17.2	16.0
EBIT Margins (%)	7.6	12.2	17.1	9.5	10.7	19.6	15.9	13.2	11.8	15.0	13.8

E: MOFSL Estimates



Management call highlights

- During the quarter, it received four ANDA approvals including one tentative approval. It intends to file 8-9 ANDAs vs. 1 filed in 1HFY24.
- The DF segment growth was muted by the sporadic and delayed monsoon. The performance is expected to be better in the coming quarters.
- The expansion in field force to 12k is largely done in the DF segment. Focus is now on improving the productivity.
- ALKEM reduced the ETR guidance from 18% to 12-15% for FY24. The Sikkim site benefit is expected to continue until Mar'26.

Key exhibits

Exhibit 1: DF revenue grew 5% YoY in 2QFY24



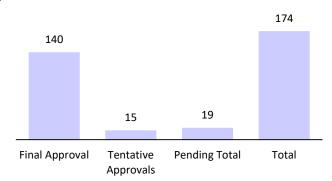
Source: MOFSL, Company

Exhibit 2: The US sales increased 27% YoY in 2QFY24



Source: MOFSL, Company

Exhibit 3: Cumulative US ANDA filings



Source: MOFSL, Company

Exhibit 4: Robust ANDA pipeline

US Filings	# Nos.
Total ANDAs filed	174
ANDAs filed in 2QFY24	0
NDAs	4

Source: MOFSL, Company

Focus on niche products in the US/superior execution in chronic therapy driving the growth

DF: New launches/superior performance in chronic therapy to drive growth

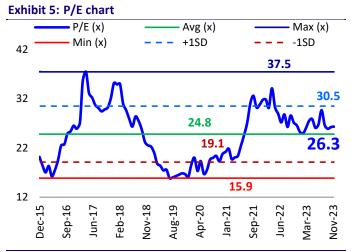
- ALKEM's DF business grew 5.8% YoY to INR42.3b in 1HFY24 due to strong growth across chronic therapies.
- However, on an overall basis, ALKEM has underperformed IPM growth due to muted performance in acute therapy because of the delayed monsoon. However, during Sep'23, the acute portfolio gained momentum due to an increase in infection cases.
- In 1HFY24, ALKEM delivered phenomenal growth in chronic segment with anti-diabetic/Derma/Neuro segment growing at 26.5%/12.3%/10.6% YoY vs. 5.9%/6.9%/8.5% YoY for IPM.
- However, ALKEM's anti-infective therapy has underperformed IPM by 200bp in 1HFY24.
- Besides this, ALKEM is also focusing on improving its MR productivity that would enhance the growth in DF business.
- Further, the company has launched its 7th biosimilar product, Ranibizumab, through Enzene, enhancing the company's presence in the biosimilar market.
- Accordingly, we expect ALKEM to register 11% sales CAGR in DF to INR99b over FY23-25.

The US: focus on niche products/market share gain to fuel growth

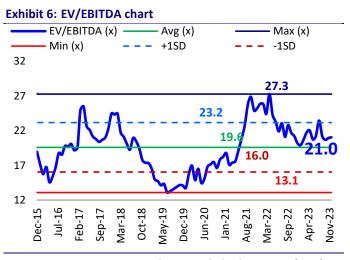
- In 1HFY24, the US sales grew 26% YoY to INR14.6b (in cc terms up 18% to USD178m) due to reduced intensity of price erosion and market share gains in the existing products.
- ALKEM is focusing on biosimilar in the US through its subsidiary, Enzene Biosciences, as there is a growing demand for affordable biosimilar.
- In 1HFY24, the company filed two ANDAs and received 11 final approvals. It has 174 ANDAs filed and has 140 final approvals to date.
- Overall, we expect ALKEM to deliver 9.4% sales CAGR in the US to reach ~USD372m over FY23-25.

Maintain Neutral

- We raise our earnings estimates by 21%/11% for FY24/FY25 factoring in: 1) increased share of relatively high-margin products in the US generics segment, 2) benefits from reduced raw material costs, and 3) reduction in effective tax rate. We value ALKEM at 22x 12M forward earnings to arrive at our TP of INR3,920.
- We expect 28% earnings CAGR over FY23-25 on the back of 11%/10% sales CAGR in the US generics/DF segments and 350bp margin expansion. Even the P/E multiple assigned is largely in-line with its five-year average. Considering these factors, we believe the current valuation adequately factors in the earnings upside. **Reiterate Neutral.**



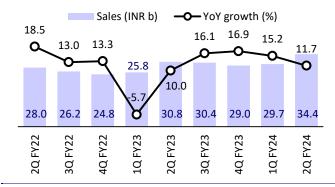
Source: MOFSL, Company, Bloomberg



Source: MOFSL, Company, Bloomberg

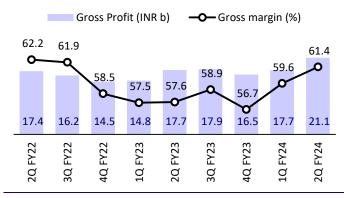
Story in charts

Exhibit 7: Total sales grew 11.7% YoY in 2QFY24



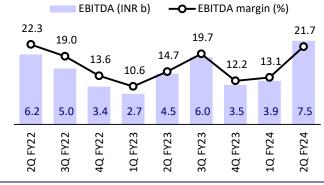
Source: Company, MOFSL

Exhibit 8: Gross margin expanded 390bp YoY in 2QFY24



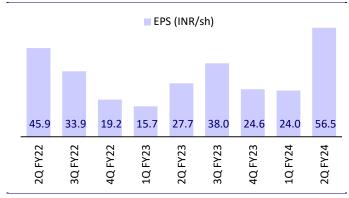
Source: Company, MOFSL

Exhibit 9: EBITDA margin expanded 700bp YoY



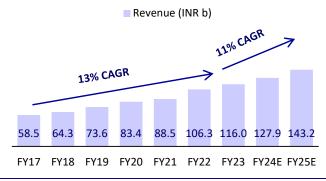
Source: Company, MOFSL

Exhibit 10: EPS increased 2x YoY to ~INR57 in 2QFY24



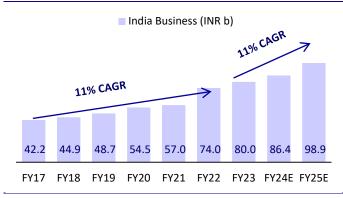
Source: Company, MOFSL

Exhibit 11: Expect revenue CAGR of 11% over FY23-25



Source: Company, MOFSL

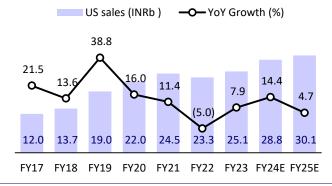
Exhibit 12: Expect India sales CAGR of 11% over FY23-25



Source: Company, MOFSL

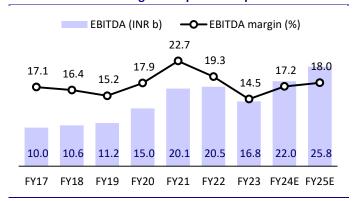
Story in charts

Exhibit 13: Expect 9.4% sales CAGR in the US over FY23-25



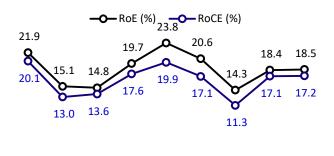
Source: Company, MOFSL

Exhibit 14: EBITDA margin to expand 350bp over FY23-25E



Source: Company, MOFSL

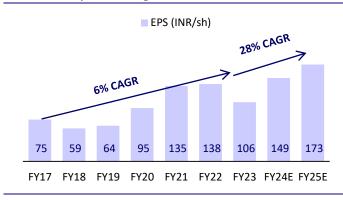
Exhibit 15: Return ratios to increase going forward



FY17 FY18 FY19 FY20 FY21 FY22 FY23 FY24E FY25E

Source: Company, MOFSL

Exhibit 16: Expect earnings CAGR of 28% over FY23-25



Source: Company, MOFSL

Financials and Valuations

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Total Income from Operations	73,572	83,444	88,505	1,06,342	1,15,993	1,27,873	1,43,167
Change (%)	14.4	13.4	6.1	20.2	9.1	10.2	12.0
Total Expenditure	62,401	68,484	68,426	85,813	99,198	1,05,879	1,17,397
EBITDA	11,171	14,960	20,079	20,529	16,795	21,994	25,770
Margin (%)	15.2	17.9	22.7	19.3	14.5	17.2	18.0
Depreciation	1,932	2,348	2,746	3,040	3,104	2,803	3,169
EBIT	9,239	12,612	17,333	17,490	13,690	19,191	22,601
Int. and Finance Charges	546	651	589	524	1,074	1,102	758
Other Income	877	1,042	1,867	1,627	2,161	2,656	3,118
PBT bef. EO Exp.	9,570	13,004	18,611	18,592	14,778	20,746	24,962
EO Items	-23	-406	-190	-150	-1,730	-577	0
PBT after EO Exp.	9,547	12,598	18,421	18,443	13,048	20,169	24,962
Current Tax	1,810	1,105	2,243	1,640	2,980	2,622	3,994
Tax Rate (%)	19.0	8.8	12.2	8.9	22.8	13.0	16.0
Less: Minority Interest	131	222	328	300	226	256	289
Reported PAT	7,606	11,271	15,850	16,503	9,842	17,291	20,679
Adjusted PAT	7,629	11,407	16,100	16,516	12,678	17,838	20,679
Change (%)	8.4	49.5	41.1	2.6	-23.2	40.7	15.9
Margin (%)	10.4	13.7	18.2	15.5	10.9	13.9	14.4
Consolidated - Balance Sheet							INRm
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E

Consolidated - Balance Sheet							INRm
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	239	239	239	239	239	239	239
Total Reserves	54,154	61,368	73,528	86,140	90,214	1,03,612	1,19,635
Net Worth	54,393	61,607	73,767	86,379	90,453	1,03,851	1,19,874
Minority Interest	1,326	1,483	1,813	2,094	3,897	3,897	3,897
Deferred Tax Liabilities	3	0	0	0	0	0	0
Total Loans	9,026	16,628	17,336	26,466	13,775	13,775	13,775
Capital Employed	64,748	79,717	92,916	1,14,939	1,08,125	1,21,523	1,37,546
Net Fixed Assets	21,056	23,063	22,339	22,871	20,654	22,034	22,472
Goodwill on Consolidation	4,248	6,017	5,591	6,146	4,796	4,796	4,796
Capital WIP	4,930	3,630	3,933	3,395	3,103	2,321	2,215
Total Investments	3,236	2,614	3,328	3,710	6,218	6,218	6,218
Curr. Assets, Loans&Adv.	41,535	54,784	68,923	91,477	89,770	1,04,227	1,24,054
Inventory	14,999	18,188	23,124	30,055	26,075	29,008	33,128
Account Receivables	12,484	16,494	16,072	18,846	21,322	24,173	28,241
Cash and Bank Balance	6,616	10,922	19,905	25,786	25,786	32,760	42,211
Loans and Advances	7,437	9,180	9,822	16,790	16,587	18,286	20,473
Curr. Liability & Prov.	17,334	19,716	22,277	25,753	29,442	31,098	35,235
Account Payables	9,623	9,541	10,694	11,734	11,650	13,344	15,117
Other Current Liabilities	4,436	6,108	6,709	7,955	10,370	11,432	12,800
Provisions	3,275	4,067	4,874	6,064	7,421	6,322	7,318
Net Current Assets	24,202	35,068	46,647	65,725	60,329	73,130	88,819
Deferred Tax assets	7,076	9,326	11,079	13,093	13,025	13,025	13,025
Appl. of Funds	64,748	79,717	92,916	1,14,939	1,08,125	1,21,523	1,37,546

E: MOSL Estimates

Financials and Valuations

Ratios							
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)	1113	1120	1121	1122	1123	11272	11232
EPS EPS	63.8	95.4	134.7	138.1	106.0	149.2	173.0
Cash EPS	80.0	115.1	157.6	163.6	132.0	172.7	199.5
BV/Share	455	515	617	723	757	869	1,003
DPS	15.0	17.9	27.8	27.6	16.5	27.5	32.9
Payout (%)	28.5	22.5	24.9	23.7	23.7	22.5	22.5
Valuation (x)	20.5	22.3	24.5	23.7	23.7	22.5	22.3
P/E	63.0	42.2	29.9	29.1	37.9	27.0	23.3
Cash P/E	50.3	35.0	25.5	24.6	30.5	23.3	20.2
P/BV	8.8	7.8	6.5	5.6	5.3	4.6	4.0
EV/Sales	6.6	5.8	5.4	4.5	4.0	3.6	3.2
EV/EBITDA	43.3	32.5	23.8	23.5	27.9	21.0	17.6
Dividend Yield (%)	0.4	0.4	0.7	0.7	0.4	0.7	0.8
FCF per share	21.1	19.9	90.4	65.5	152.5	80.0	100.7
Return Ratios (%)					101.0		
RoE	14.8	19.7	23.8	20.6	14.3	18.4	18.5
RoCE	13.6	17.6	19.9	17.1	11.3	17.1	17.2
RoIC	15.8	20.5	23.7	21.6	13.6	21.8	22.7
Working Capital Ratios							
Fixed Asset Turnover (x)	2.8	2.7	2.7	3.0	3.1	3.1	3.2
Asset Turnover (x)	1.1	1.0	1.0	0.9	1.1	1.1	1.0
Inventory (Days)	74	80	95	103	82	83	84
Debtor (Days)	62	72	66	65	67	69	72
Creditor (Days)	48	42	44	40	37	38	39
Working Cap. Turnover (Days)	87	106	110	137	109	115	119
Leverage Ratio (x)							
Current Ratio	2.4	2.8	3.1	3.6	3.0	3.4	3.5
Interest Cover Ratio	16.9	19.4	29.4	33.4	12.8	17.4	29.8
Debt/Equity	0.0	0.1	0.0	0.0	-0.1	-0.2	-0.2
Consolidated - Cash Flow Statement							INRm
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
OP/(Loss) before Tax	9,547						
Depreciation		12,598	18,421	18,443	14,778 3,104	20,746	24,962
•	1,932 134	2,528 19	2,746 -312	3,040		2,803 -1,554	3,169
Interest & Finance Charges Direct Taxes Paid				-703	-1,087		-2,361
	-2,511	-2,834	-4,007	-3,969	-2,980	-2,622 -6,404	-3,994
(Inc)/Dec in WC	-1,403	-6,472 5,839	-3,412	-5,450	3,666		-6,239
CF from Operations Others	7,698 98	12	13,436 -787	11,361 -250	17,481	12,968 0	15,537
CF from Operating incl EO	7,797	5,851	12,649				15,537
(Inc)/Dec in FA	-5,269	-3,477	-1,845	11,110 -3,280	17,481 755	12,968 -3,400	-3,502
Free Cash Flow	2,527	2,374	10,805	-5,280 7,830	18,237	-5,400 9,568	12,035
(Pur)/Sale of Investments	1,235	458	3	-12,051	-2,508	0	12,033
Others	871	-4,395	-8,144	980	2,161	2,656	3,118
CF from Investments	-3,164	- 7,414	-9,985	- 14,351	408	- 744	-384
Inc/(Dec) in Debt	-1,057	6,031	1,397	8,628	-12,691	0	-364
Interest Paid	-546	-651	-536	-401	-12,091	-1,102	-758
Dividend Paid	-2,186	-4,396	-3,348	-4,219	-2,332	-3,893	-4,656
CF from Fin. Activity	-2,180 - 3,789	791	-3,346 - 2,718	3,796	-2,332 - 16,324	-5,895 - 5,251	- 4 ,030
Inc/Dec of Cash	-5,769 843	-771	-2,718 -54	555	1,565	6,974	9,451
Opening Balance	1,667	2,490	1,759	1,705	2,297	3,862	10,836
Add/(less) Forex diff in Cash and Cash eq	-20	40	1,133	37	2,231	3,002	10,030
Closing Cash and Cash Eq.	2,490	1,759	1,705	2,297	3,862	10,836	20,287
Bank Balances	4,126	9,163	18,199	23,489	21,924	21,924	21,924
Total Cash and Cash Eq.	6,616	10,922	19,905	25,786	25,786	32,760	42,211
. C.C. Cubit alla Cubit Eq.	0,010	20,522	_5,505	23,700	23,700	32,700	+=,=11

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.

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 Motilal Oswal Financial Services Limited are available 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 Proceedings of Motilal Oswal Financial Services Limited are available on the website at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at www.nseindia.com, www.nseindia.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.

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.

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. INH000000412) 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 brokerdealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this

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.

In Singapore, this report is being distributed by Motilal Oswal Capital Markets Singapore Pte Ltd ("MOCMSPL") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company. MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- Research Analyst has not served as director/officer/employee in the subject company
- MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- MOFSL has not engaged in market making activity for the subject company

7 November 2023

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 responsible for any such misuse and further agrees 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:

Gilevanice Nedressar Ocil.		
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 grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.