

Alkem Laboratories



Estimate change TP change **Rating change**



Bloomberg	ALKEM IN
Equity Shares (m)	120
M.Cap.(INRb)/(USDb)	495.5 / 6
52-Week Range (INR)	4271 / 2830
1, 6, 12 Rel. Per (%)	18/16/29
12M Avg Val (INR M)	458

Financials & Valuations (INR b)

Y/E MARCH	FY23	FY24E	FY25E
Sales	116.0	126.5	142.1
EBITDA	16.8	19.9	24.6
Adj. PAT	12.7	15.3	19.5
EBIT Margin (%)	11.8	13.4	15.1
Cons. Adj. EPS (INR)	106.0	128.1	163.2
EPS Gr. (%)	-23.2	20.8	27.4
BV/Sh. (INR)	756.6	855.9	982.4
Ratios			
Net D:E	-0.1	-0.1	-0.2
RoE (%)	14.3	15.9	17.8
RoCE (%)	11.3	15.0	16.5
Payout (%)	23.7	22.5	22.5
Valuations			
P/E (x)	39.0	32.3	25.4
EV/EBITDA (x)	28.8	24.3	19.4
Div. Yield (%)	0.4	0.6	0.7
FCF Yield (%)	4.6	0.7	2.1
EV/Sales (x)	4.2	3.8	3.4

Shareholding pattern (%)

As On	Jun-23	Mar-23	Jun-22
Promoter	57.2	57.2	57.1
DII	16.3	16.7	14.1
FII	5.6	4.4	5.7
Others	20.9	21.7	23.1

FII Includes depository receipts

CMP: INR4,141 TP: INR3,810 (-8%) Neutral

International markets and lower RM cost drive earnings Bioscience off-take at a healthy pace

- Alkem Laboratories (ALKEM) delivered better-than-expected 1QFY24 performance, fueled by superior traction in international markets. ALKEM's business growth was broad-based within international markets including the US, Chile, the UK, Kazakhstan and the Philippines.
- We cut our earnings estimates by 7%/1% for FY24/FY25, factoring in: a) unfavorable seasonality effect in domestic formulation (DF) segment, b) increased tax rate, and c) better prospects in bioscience segment as well as in international markets. We value ALKEM at 21x 12M forward earnings to arrive at our TP of INR3,810.
- While ALKEM continues to progress well in chronic segment (17-19% of branded generics part of DF sales), the growth prospects of acute segment remain volatile due to seasonality factor. The exports (34% of 1QFY24 sales) have seen healthy uptick from existing products. However, we await new approvals for sustainable growth. Further, the valuation adequately factors in the upside in the earnings. Maintain Neutral.

Better geography mix drives profitability YoY/QoQ

- ALKEM's 1QFY24 revenue increased 15.2% YoY to INR29.7b (our estimate: INR29.2b). Domestic business grew 7% YoY to INR19b (64% of sales). International business rose 33% YoY to INR10b. Within international business, the US sales grew 25% YoY to INR6.9b (23% of sales). Other International sales jumped 56% YoY to INR3.2b (11% of sales).
- Gross margin expanded 210bp YoY to 59.6% due to lower RM prices.
- EBITDA margin improved 250bp YoY to 13.1% (our est: 12.5%) due to higher GM and lower R&D costs/employee expenses (-110bp/-150bp YoY as a % of sales) offset by increase in other expenses (+220bp as a % of sales).
- Accordingly, EBITDA increased 42.4% YoY to INR3.9b (vs. est. of INR3.7b).
- Adj PAT jumped 52.3% YoY to INR2.9b (our est: INR2.7b) due to lower taxes.

Highlights from the management commentary

- ALKEM guided for high-single digit YoY growth in DF segment vs. earlier guidance of double-digit growth for FY24.
- ALKEM maintained its overall EBITDA margin guidance of 16% for FY24.
- The US generics witnessed price erosion of high-single digit vs. double-digit decline experienced earlier.
- The Enzene biosciences (biotech arm) garnered sales of INR570m for 1QFY24. Management guided for FY24 sales of INR2.4b (vs INR1.6b in FY23).
- ALKEM expects Enzene breakeven by FY25.
- Management guided for gross margin to be at 59.0%-59.5% for FY24
- The effective tax rate is expected to be 17-19% for FY24.

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

Research Analyst: Sumit Gupta (Sumit.G@MotilalOswal.com) | Akash Manish Dobhada (Akash.Dobhada@MotilalOswal.com

(INR b)

Quarterly Perf. (Consolidated)

Y/E March		FY23	3			FY24	ΙE	_	FY23E	FY24E	FY24	Var
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE			1QE	%
Net Revenues	25.8	30.8	30.4	29.0	29.7	33.3	31.6	32.0	116.0	126.5	29.2	1.5
YoY Change (%)	-5.7	10.0	16.1	16.9	15.2	8.0	3.9	10.2	9.1	9.1	13.4	
Total Expenditure	23.0	26.3	24.4	25.5	25.8	27.1	26.5	27.2	64.4	65.7	25.6	
EBITDA	2.7	4.5	6.0	3.5	3.9	6.1	5.1	4.7	16.8	19.9	3.7	6.5
YoY Change (%)	-53.9	-27.3	20.2	4.8	42.4	34.8	-14.6	33.9	-18.2	18.2	33.7	
Margins (%)	10.6	14.7	19.7	12.2	13.1	18.4	16.2	14.8	14.5	15.7	12.5	
Depreciation	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	3.1	2.9	0.8	
EBIT	2.0	3.8	5.2	2.7	3.2	5.4	4.4	4.0	13.7	16.9	2.9	
YoY Change (%)	-62.3	-31.7	23.7	8.2	60.8	43.1	-15.9	45.0	-21.0	-3.3	45.9	
Margins (%)	7.6	12.2	17.1	9.5	10.7	16.2	13.9	12.5	11.8	13.4	9.8	
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	0.7	0.7	0.7	2.2	2.7	0.6	
PBT before EO Exp	2.2	4.0	5.4	3.1	3.5	5.8	4.8	4.4	14.8	18.5	3.2	11.9
EO Exp/(Inc)	0.7	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.7	0.0	-	
PBT after EO Exp	1.5	4.0	5.4	2.1	3.5	5.8	4.8	4.4	13.0	18.5	3.2	
Tax	0.2	0.5	0.8	1.4	0.7	0.9	0.7	0.7	3.0	3.0	0.4	
Rate (%)	13.5	13.6	14.6	68.0	18.4	16.0	15.0	15.1	20.2	16.0	14.0	
PAT (pre Minority Interest)	1.3	3.5	4.6	0.7	2.9	4.9	4.1	3.8	10.1	15.6	2.7	
Minority Interest	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.0	
Reported PAT	1.3	3.3	4.5	0.7	2.9	4.8	4.0	3.6	9.8	15.3	2.7	6.9
Adj Net Profit	1.9	3.3	4.5	2.9	2.9	4.8	4.0	3.6	12.7	15.3	2.7	6.9
YoY Change (%)	-59.8	-39.7	12.2	28.2	52.3	46.1	-11.2	21.7	-23.2	20.8	42.6	

Key performance Indicators (Consolidated)

Y/E March		FY2	3			FY24	1E		FY23E	FY24E	FY24
INR m	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE			1QE
India formulations	17.8	22.2	19.9	20.1	19.0	23.5	21.9	22.0	80.0	86.4	20.8
YoY Change (%)	(6.7)	13.0	9.7	17.0	6.7	6.0	10.0	9.4	8.1	8.0	17.0
Us generics	5.6	6.0	7.6	5.9	7.0	6.9	6.9	6.9	25.1	27.6	6.0
YoY Change (%)	(7.9)	(0.9)	32.8	9.2	25.0	15.0	(10.0)	16.6	7.9	10.0	7.0
International (Ex-US)	2.0	2.3	2.3	2.7	3.2	2.8	2.8	2.7	9.3	11.5	2.4
YoY Change (%)	9.6	15.2	17.1	33.3	56.5	25.0	22.0	(0.1)	18.9	24.0	19.0
Cost Break-up											
RM Cost (% of Sales)	42.5	42.4	41.1	43.3	40.4	40.5	40.8	42.3	42.3	41.0	43.0
Staff Cost (% of Sales)	20.7	18.5	17.3	17.3	19.1	17.0	18.0	18.0	18.4	18.0	17.5
R&D Expenses(% of Sales)	5.1	4.2	4.3	5.1	4.1	4.1	4.0	4.2	4.7	4.0	5.0
Other Cost (% of Sales)	21.1	20.0	17.7	22.2	23.3	20.0	21.0	23.2	20.2	21.3	22.0
Gross Margins (%)	57.5	57.6	58.9	56.7	59.6	59.5	59.2	57.7	57.7	59.0	57.0
EBITDA Margins (%)	10.6	14.7	19.7	12.2	13.1	18.4	16.2	14.8	14.5	15.7	12.5
EBIT Margins (%)	7.6	12.2	17.1	9.5	10.7	16.2	13.9	12.5	11.8	13.4	9.8

E: MOFSL Estimates



Management call highlights

- The MR strength is ~12k and productivity at INR5.4L PCPM.
- ALKEM's volume/price/new launches grew 1%/3%/2.3% YoY in 1QFY24
- It continues to work on addressing raw material issues related to dabigatran for the US market.
- ALKEM makes about 18-20% EBITDA margin in overall chronic segment.
- Capex for the year to be INR3.5-4b
- R&D spend for the year to be 5% of sales
- Capex for the quarter is INR800m

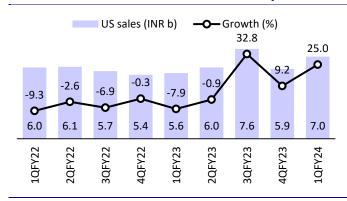
Key exhibits

Exhibit 1: DF revenue grew 6.7% YoY in 1QFY24



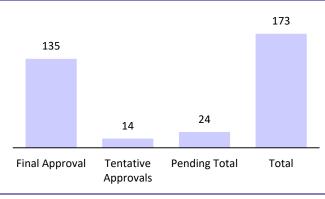
Source: MOFSL, Company

Exhibit 2: The US sales increased 25% YoY in 1QFY24



Source: MOFSL, Company

Exhibit 3: Cumulative US ANDA filings



Source: MOFSL, Company

Exhibit 4: Robust ANDA pipeline

US Filings	# Nos.
Total ANDAs filed	173
ANDAs filed in 1QFY24	1
NDAs	2

Source: MOFSL, Company

Revival in international business offset by subdued show in acute DF segment to some extent

Strong progress in chronic/new therapy to aid growth in DF business

- ALKEM's DF business grew 6.7% YoY to INR19b in 1QFY24 fueled by robust growth across chronic therapies.
- However, on an overall basis, ALKEM has underperformed IPM growth due to slower off-take in acute therapy led by delayed monsoon.
- In 1QFY24, ALKEM delivered phenomenal growth in chronic segment with antidiabetic segment growing at 30% YoY vs. 6.5% YoY for IPM. Moreover, it grew 21.4%/12.2% YoY vs. IPM growth of 8%/8.7% YoY in Derma/Neuro therapies.

Motilal Oswal

- However, ALKEM's Anti-infective therapy has underperformed the IPM by 410bp in 1QFY24.
- Besides this, ALKEM has launched ophthalmic division in DF market as it intends to build its presence in ophthalmic therapy. Additionally, the NLEM-based price hike will aid growth in its base business.
- Further, the company is focusing on the biosimilar business with launch of two products through Enzene. To date it has six biosimilar products in India.
- Accordingly, we expect ALKEM to register 11% sales CAGR in DF to INR99b over FY23-25.

The US: new launches/moderating price erosion to aid better growth

- In 1QFY24, the US sales grew 25% YoY to INR6.9b (in cc terms up 17.4% to USD85m) due to reduced intensity of price erosion and market share gain in the existing product.
- Moreover, ALKEM continues to focus on eight new launches. In 1QFY24, the company filed one ANDA and received seven final approvals. It has 173 ANDAs filed and 2 NDAs and has 135 final approvals to date.
- Overall, we expect ALKEM to deliver 8% sales CAGR in the US to reach
 ~USD362m over FY23-25.

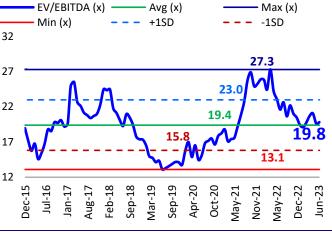
Maintain Neutral

- We cut our earnings estimates by 7%/1% for FY24/FY25, factoring in: a) unfavorable seasonality effect in domestic formulation (DF) segment, b) increased tax rate, and c) better prospects in bioscience segment as well as in international markets. We value ALKEM at 21x 12M forward earnings to arrive at our TP of INR3,810.
- While ALKEM continues to progress well in chronic segment (17-19% of branded generics part of DF sales), the growth prospects of acute segment remain volatile due to seasonality factor. The exports (34% of 1QFY24 sales) have seen healthy uptick from existing products. However, we await new approvals for sustainable growth. Further, the valuation adequately factors in the upside in the earnings. Maintain Neutral.

Exhibit 5: P/E chart P/E (x) Avg (x) Max (x) Min (x) +1SD -1SD 44 37.5 36 30.2 28 24.5 18.8 20 15.9 Oct-18 May-17 Apr-22 Dec-22 Mar-20 Nov-20 Jul-21

Source: MOFSL, Company, Bloomberg

Exhibit 6: EV/EBITDA chart



Source: MOFSL, Company, Bloomberg

10 August 2023

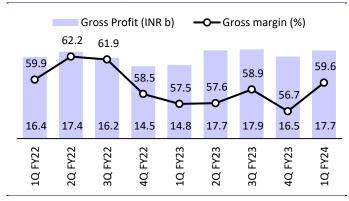
Story in charts

Exhibit 7: Total sales grew 15.2% YoY in 1QFY24



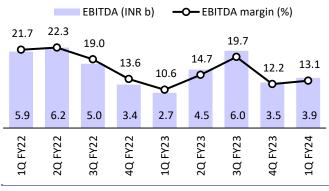
Source: Company, MOFSL

Exhibit 8: Gross margin expanded 210bp YoY in 1QFY24



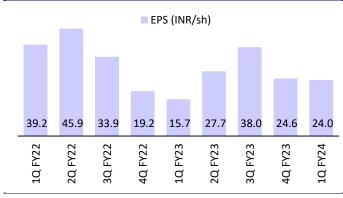
Source: Company, MOFSL

Exhibit 9: EBITDA margin expanded 250bp YoY



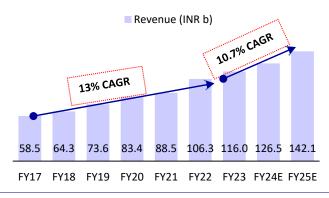
Source: Company, MOFSL

Exhibit 10: EPS increased 52.3% YoY to ~INR24 in 1QFY24



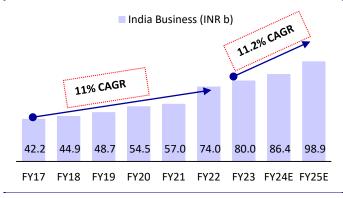
Source: Company, MOFSL

Exhibit 11: Expect revenue CAGR of 10.7% over FY23-25



Source: Company, MOFSL

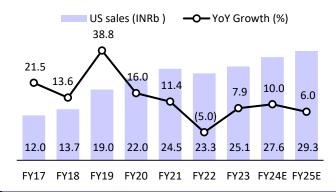
Exhibit 12: Expect India sales CAGR of 11.2% over FY23-25



Source: Company, MOFSL

Story in charts

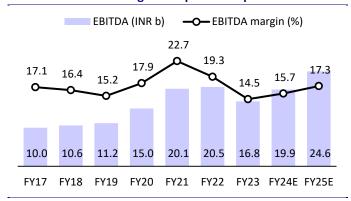
Exhibit 13: Expect 8% sales CAGR in the US over FY23-25



Source: Company, MOFSL

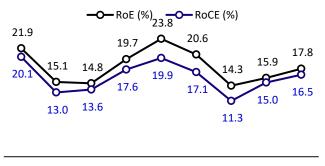
Source: Company, MOFSL

Exhibit 14: EBITDA margin to expand 280bp over FY23-25E



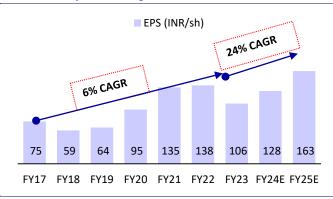
Source: Company, MOFSL

Exhibit 15: Return ratios to increase going forward



FY17 FY18 FY19 FY20 FY21 FY22 FY23 FY24E FY25E

Exhibit 16: Expect earnings CAGR of 24% over FY23-25



Source: Company, MOFSL

Financials and Valuations

Consolidated - Income Statement									INR m
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Total Income from Operations	58,525	64,312	73,572	83,444	88,505	1,06,342	1,15,993	1,26,490	1,42,057
Change (%)	15.9	9.9	14.4	13.4	6.1	20.2	9.1	9.1	12.3
Total Expenditure	48,536	54,028	62,401	68,484	68,426	85,813	99,198	1,06,631	1,17,481
EBITDA	9,990	10,566	11,171	14,960	20,079	20,529	16,795	19,859	24,576
Margin (%)	17.1	16.4	15.2	17.9	22.7	19.3	14.5	15.7	17.3
Depreciation	1,012	1,430	1,932	2,348	2,746	3,040	3,104	2,939	3,169
EBIT	8,978	9,136	9,239	12,612	17,333	17,490	13,690	16,920	21,407
Int. and Finance Charges	452	553	546	651	589	524	1,074	1,102	758
Other Income	1,120	960	877	1,042	1,867	1,627	2,161	2,720	2,379
PBT bef. EO Exp.	9,646	9,542	9,570	13,004	18,611	18,592	14,778	18,538	23,029
EO Items	0	0	-23	-406	-190	-150	-1,730	0	0
PBT after EO Exp.	9,646	9,542	9,547	12,598	18,421	18,443	13,048	18,538	23,029
Current Tax	600	2,876	1,810	1,105	2,243	1,640	2,980	2,966	3,224
Tax Rate (%)	6.2	30.1	19.0	8.8	12.2	8.9	22.8	16.0	14.0
Less: Minority Interest	126	75	131	222	328	300	226	256	289
Reported PAT	8,920	6,309	7,606	11,271	15,850	16,503	9,842	15,316	19,516
Adjusted PAT	8,920	7,040	7,629	11,407	16,100	16,516	12,678	15,316	19,516
Change (%)	6.0	-21.1	8.4	49.5	41.1	2.6	-23.2	20.8	27.4
Margin (%)	15.2	10.9	10.4	13.7	18.2	15.5	10.9	12.1	13.7

Consolidated - Balance Sheet									INR m
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	239	239	239	239	239	239	239	239	239
Total Reserves	44,437	48,399	54,154	61,368	73,528	86,140	90,214	1,02,082	1,17,204
Net Worth	44,676	48,638	54,393	61,607	73,767	86,379	90,453	1,02,321	1,17,443
Minority Interest	1,152	1,216	1,326	1,483	1,813	2,094	3,897	3,897	3,897
Deferred Tax Liabilities	5	17	3	0	0	0	0	0	0
Total Loans	6,539	8,920	9,026	16,628	17,336	26,466	13,775	13,775	13,775
Capital Employed	52,373	58,790	64,748	79,717	92,916	1,14,939	1,08,125	1,19,993	1,35,115
Net Fixed Assets	13,945	18,733	21,056	23,063	22,339	22,871	20,654	21,897	22,336
Goodwill on Consolidation	4,026	4,103	4,248	6,017	5,591	6,146	4,796	4,796	4,796
Capital WIP	2,993	3,810	4,930	3,630	3,933	3,395	3,103	2,321	2,215
Total Investments	5,530	4,443	3,236	2,614	3,328	3,710	6,218	6,218	6,218
Curr. Assets, Loans&Adv.	32,225	39,012	41,535	54,784	68,923	91,477	89,770	1,00,514	1,19,335
Inventory	12,060	14,422	14,999	18,188	23,124	30,055	26,075	29,214	33,152
Account Receivables	7,136	10,805	12,484	16,494	16,072	18,846	21,322	24,952	32,303
Cash and Bank Balance	3,993	5,768	6,616	10,922	19,905	25,786	25,786	26,377	31,451
Loans and Advances	9,036	8,017	7,437	9,180	9,822	16,790	16,587	19,972	22,429
Curr. Liability & Prov.	13,308	17,866	17,334	19,716	22,277	25,753	29,442	28,778	32,811
Account Payables	7,414	9,607	9,623	9,541	10,694	11,734	11,650	13,438	15,128
Other Current Liabilities	3,628	5,517	4,436	6,108	6,709	7,955	10,370	9,463	10,627
Provisions	2,266	2,742	3,275	4,067	4,874	6,064	7,421	5,877	7,056
Net Current Assets	18,917	21,145	24,202	35,068	46,647	65,725	60,329	71,736	86,524
Deferred Tax assets	6,963	6,556	7,076	9,326	11,079	13,093	13,025	13,025	13,025
Appl. of Funds	52,373	58,790	64,748	79,717	92,916	1,14,939	1,08,125	1,19,993	1,35,115

E: MOFSL Estimates

Financials and Valuations

Ratios									
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)									
EPS	74.6	58.9	63.8	95.4	134.7	138.1	106.0	128.1	163.2
Cash EPS	83.1	70.9	80.0	115.1	157.6	163.6	132.0	152.7	189.7
BV/Share	374	407	455	515	617	723	757	856	982
DPS	6.0	15.0	15.0	17.9	27.8	27.6	16.5	24.3	31.0
Payout (%)	9.7	34.3	28.5	22.5	24.9	23.7	23.7	22.5	22.5
Valuation (x)									
P/E	55.5	70.3	64.9	43.4	30.7	30.0	39.0	32.3	25.4
Cash P/E	49.8	58.4	51.8	36.0	26.3	25.3	31.4	27.1	21.8
P/BV	11.1	10.2	9.1	8.0	6.7	5.7	5.5	4.8	4.2
EV/Sales	8.5	7.7	6.8	6.0	5.6	4.7	4.2	3.8	3.4
EV/EBITDA	49.8	47.2	44.5	33.5	24.5	24.1	28.8	24.3	19.4
Dividend Yield (%)	0.1	0.4	0.4	0.4	0.7	0.7	0.4	0.6	0.7
FCF per share	-13.7	-34.4	21.1	19.9	90.4	65.5	152.5	22.4	68.0
Return Ratios (%)									
RoE	21.9	15.1	14.8	19.7	23.8	20.6	14.3	15.9	17.8
RoCE	20.1	13.0	13.6	17.6	19.9	17.1	11.3	15.0	16.5
RoIC	24.4	15.1	15.8	20.5	23.7	21.6	13.6	18.0	20.4
Working Capital Ratios									
Asset Turnover (x)	1.1	1.1	1.1	1.0	1.0	0.9	1.1	1.1	1.1
Inventory (Days)	75	82	74	80	95	103	82	84	85
Debtor (Days)	45	61	62	72	66	65	67	72	83
Creditor (Days)	46	55	48	42	44	40	37	39	39
Leverage Ratio (x)									
Debt/Equity	0.1	0.1	0.0	0.1	0.0	0.0	-0.1	-0.1	-0.2
Consolidated - Cash Flow Statement									
Consolidated - Cash Flow Statement									INR m
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	INR m FY25E
	FY17 9,646	FY18 9,260	FY19 9,547	FY20 12,598	FY21 18,421	FY22 18,443	FY23 14,778	FY24E 18,538	
Y/E March									FY25E
Y/E March OP/(Loss) before Tax	9,646	9,260	9,547	12,598	18,421	18,443	14,778	18,538	FY25E 23,029
Y/E March OP/(Loss) before Tax Depreciation	9,646 1,012	9,260 1,430	9,547 1,932	12,598 2,528	18,421 2,746	18,443 3,040	14,778 3,104	18,538 2,939	FY25E 23,029 3,169
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges	9,646 1,012 -592	9,260 1,430 -234	9,547 1,932 134	12,598 2,528 19	18,421 2,746 -312	18,443 3,040 -703	14,778 3,104 -1,087	18,538 2,939 -1,618	FY25E 23,029 3,169 -1,622
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid	9,646 1,012 -592 -2,640	9,260 1,430 -234 -2,032	9,547 1,932 134 -2,511	12,598 2,528 19 -2,834	18,421 2,746 -312 -4,007	18,443 3,040 -703 -3,969	14,778 3,104 -1,087 -2,980	18,538 2,939 -1,618 -2,966	FY25E 23,029 3,169 -1,622 -3,224
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC	9,646 1,012 -592 -2,640 -2,626	9,260 1,430 -234 -2,032 -5,732 2,692 -32	9,547 1,932 134 -2,511 -1,403	12,598 2,528 19 -2,834 -6,472	18,421 2,746 -312 -4,007 -3,412 13,436 -787	18,443 3,040 -703 -3,969 -5,450	14,778 3,104 -1,087 -2,980 3,666	18,538 2,939 -1,618 -2,966 -10,816	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660	9,547 1,932 134 -2,511 -1,403 7,698	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851	18,421 2,746 -312 -4,007 -3,412 13,436	18,443 3,040 -703 -3,969 -5,450 11,361	14,778 3,104 -1,087 -2,980 3,666 17,481	18,538 2,939 -1,618 -2,966 -10,816 6,077	23,029 3,169 -1,622 -3,224 -9,715 11,637 0
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others	9,646 1,012 -592 -2,640 -2,626 4,801 -90	9,260 1,430 -234 -2,032 -5,732 2,692 -32	9,547 1,932 134 -2,511 -1,403 7,698 98	12,598 2,528 19 -2,834 -6,472 5,839	18,421 2,746 -312 -4,007 -3,412 13,436 -787	18,443 3,040 -703 -3,969 -5,450 11,361 -250	14,778 3,104 -1,087 -2,980 3,666 17,481	18,538 2,939 -1,618 -2,966 -10,816 6,077 0	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110	14,778 3,104 -1,087 -2,980 3,666 17,481 0	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077	23,029 3,169 -1,622 -3,224 -9,715 11,637 0
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280	14,778 3,104 -1,087 -2,980 3,666 17,481 0 17,481 755	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400	23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830	14,778 3,104 -1,087 -2,980 3,666 17,481 0 17,481 755 18,237	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677	745E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051	14,778 3,104 -1,087 -2,980 3,666 17,481 0 17,481 755 18,237 -2,508	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633 0	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572 3,574	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235 871 -3,164 -1,057	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458 -4,395	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805 3 -8,144 -9,985 1,397	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051 980 -14,351 8,628	14,778 3,104 -1,087 -2,980 3,666 17,481 0 17,481 755 18,237 -2,508 2,161	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0 2,720	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135 0 2,379 -1,123
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Inc/(Dec) in Debt Interest Paid	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633 0 3,484 -2,859 121 -636	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572 3,574 -553	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235 871 -3,164 -1,057 -546	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458 -4,395 -7,414 6,031 -651	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805 3 -8,144 -9,985 1,397 -536	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051 980 -14,351 8,628 -401	14,778 3,104 -1,087 -2,980 3,666 17,481 0 17,481 755 18,237 -2,508 2,161 408 -12,691 -1,074	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0 2,720 -680 0 -1,102	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135 0 2,379 -1,123 0 -758
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Inc/(Dec) in Debt Interest Paid Dividend Paid	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633 0 3,484 -2,859 121 -636 -863	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572 3,574 -553 -2,176	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235 871 -3,164 -1,057 -546 -2,186	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458 -4,395 -7,414 6,031 -651 -4,396	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805 3 -8,144 -9,985 1,397 -536 -3,348	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051 980 -14,351 8,628 -401 -4,219	14,778 3,104 -1,087 -2,980 3,666 17,481 0 17,481 755 18,237 -2,508 2,161 408 -12,691 -1,074 -2,332	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0 2,720 -680 0 -1,102 -3,449	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135 0 2,379 -1,123 0 -758 -4,394
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Inc/(Dec) in Debt Interest Paid Dividend Paid CF from Fin. Activity	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633 0 3,484 -2,859 121 -636 -863 -1,379	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572 3,574 -553 -2,176 846	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235 871 -3,164 -1,057 -546 -2,186 -3,789	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458 -4,395 -7,414 6,031 -651 -4,396 791	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805 3 -8,144 -9,985 1,397 -536 -3,348 -2,718	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051 980 -14,351 8,628 -401 -4,219 3,796	14,778 3,104 -1,087 -2,980 3,666 17,481 0 17,481 755 18,237 -2,508 2,161 408 -12,691 -1,074 -2,332 -16,324	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0 2,720 -680 0 -1,102 -3,449 -4,806	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135 0 2,379 -1,123 0 -758 -4,394 -5,441
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Inc/(Dec) in Debt Interest Paid Dividend Paid CF from Fin. Activity Inc/Dec of Cash	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633 0 3,484 -2,859 121 -636 -863 -1,379 473	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572 3,574 -553 -2,176 846 -66	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235 871 -3,164 -1,057 -546 -2,186 -3,789 843	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458 -4,395 -7,414 6,031 -651 -4,396 791 -771	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805 3 -8,144 -9,985 1,397 -536 -3,348 -2,718	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051 980 -14,351 8,628 -401 -4,219 3,796 555	14,778 3,104 -1,087 -2,980 3,666 17,481 0 17,481 755 18,237 -2,508 2,161 408 -12,691 -1,074 -2,332 -16,324 1,565	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0 2,720 -680 0 -1,102 -3,449 -4,806 591	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135 0 2,379 -1,123 0 -758 -4,394 -5,441 5,074
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Inc/(Dec) in Debt Interest Paid Dividend Paid CF from Fin. Activity Inc/Dec of Cash Opening Balance	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633 0 3,484 -2,859 121 -636 -863 -1,379 473 1,270	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572 3,574 -553 -2,176 846 -66 1,666	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235 871 -3,164 -1,057 -546 -2,186 -3,789 843 1,667	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458 -4,395 -7,414 6,031 -651 -4,396 791 -771 2,490	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805 3 -8,144 -9,985 1,397 -536 -3,348 -2,718	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051 980 -14,351 8,628 -401 -4,219 3,796 555 1,705	14,778 3,104 -1,087 -2,980 3,666 17,481 0 17,481 755 18,237 -2,508 2,161 408 -12,691 -1,074 -2,332 -16,324	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0 2,720 -680 0 -1,102 -3,449 -4,806	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135 0 2,379 -1,123 0 -758 -4,394 -5,441
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Inc/(Dec) in Debt Interest Paid Dividend Paid CF from Fin. Activity Inc/Dec of Cash Opening Balance Add/(less) Forex diff in Cash and Cash eq	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633 0 3,484 -2,859 121 -636 -863 -1,379 473 1,270 -77	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572 3,574 -553 -2,176 846 -66 1,666 67	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235 871 -3,164 -1,057 -546 -2,186 -3,789 843 1,667 -20	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458 -4,395 -7,414 6,031 -651 -4,396 791 -771 2,490 40	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805 3 -8,144 -9,985 1,397 -536 -3,348 -2,718 -54 1,759	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051 980 -14,351 8,628 -401 -4,219 3,796 555 1,705	14,778 3,104 -1,087 -2,980 3,666 17,481 755 18,237 -2,508 2,161 408 -12,691 -1,074 -2,332 -16,324 1,565 2,297	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0 2,720 -680 0 -1,102 -3,449 -4,806 591 3,862	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135 0 2,379 - 1,123 0 -758 -4,394 - 5,441 5,074 4,453
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Inc/(Dec) in Debt Interest Paid Dividend Paid CF from Fin. Activity Inc/Dec of Cash Opening Balance Add/(less) Forex diff in Cash and Cash eq Closing Cash and Cash Eq.	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633 0 3,484 -2,859 121 -636 -863 -1,379 473 1,270 -77 1,666	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572 3,574 -553 -2,176 846 -66 1,666 67 1,667	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235 871 -3,164 -1,057 -546 -2,186 -3,789 843 1,667 -20 2,490	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458 -4,395 -7,414 6,031 -651 -4,396 791 -771 2,490 40 1,759	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805 3 -8,144 -9,985 1,397 -536 -3,348 -2,718 -54 1,759	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051 980 -14,351 8,628 -401 -4,219 3,796 555 1,705 37 2,297	14,778 3,104 -1,087 -2,980 3,666 17,481 755 18,237 -2,508 2,161 408 -12,691 -1,074 -2,332 -16,324 1,565 2,297	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0 2,720 -680 0 -1,102 -3,449 -4,806 591 3,862	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135 0 2,379 -1,123 0 -758 -4,394 -5,441 5,074 4,453
Y/E March OP/(Loss) before Tax Depreciation Interest & Finance Charges Direct Taxes Paid (Inc)/Dec in WC CF from Operations Others CF from Operating incl EO (Inc)/Dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Inc/(Dec) in Debt Interest Paid Dividend Paid CF from Fin. Activity Inc/Dec of Cash Opening Balance Add/(less) Forex diff in Cash and Cash eq	9,646 1,012 -592 -2,640 -2,626 4,801 -90 4,711 -6,344 -1,633 0 3,484 -2,859 121 -636 -863 -1,379 473 1,270 -77	9,260 1,430 -234 -2,032 -5,732 2,692 -32 2,660 -6,770 -4,110 868 2,330 -3,572 3,574 -553 -2,176 846 -66 1,666 67	9,547 1,932 134 -2,511 -1,403 7,698 98 7,797 -5,269 2,527 1,235 871 -3,164 -1,057 -546 -2,186 -3,789 843 1,667 -20	12,598 2,528 19 -2,834 -6,472 5,839 12 5,851 -3,477 2,374 458 -4,395 -7,414 6,031 -651 -4,396 791 -771 2,490 40	18,421 2,746 -312 -4,007 -3,412 13,436 -787 12,649 -1,845 10,805 3 -8,144 -9,985 1,397 -536 -3,348 -2,718 -54 1,759	18,443 3,040 -703 -3,969 -5,450 11,361 -250 11,110 -3,280 7,830 -12,051 980 -14,351 8,628 -401 -4,219 3,796 555 1,705	14,778 3,104 -1,087 -2,980 3,666 17,481 755 18,237 -2,508 2,161 408 -12,691 -1,074 -2,332 -16,324 1,565 2,297	18,538 2,939 -1,618 -2,966 -10,816 6,077 0 6,077 -3,400 2,677 0 2,720 -680 0 -1,102 -3,449 -4,806 591 3,862	FY25E 23,029 3,169 -1,622 -3,224 -9,715 11,637 0 11,637 -3,502 8,135 0 2,379 -1,123 0 -758 -4,394 -5,441 5,074 4,453

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 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.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.

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. 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.

For Singapore

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

10 August 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 directled 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.

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 grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.