Buy



# **APL Apollo Tubes**

**BSE SENSEX** S&P CNX 22,453 73,904



Bloomberg	APAT IN
Equity Shares (m)	277
M.Cap.(INRb)/(USDb)	437 / 5.2
52-Week Range (INR)	1806 / 1047
1, 6, 12 Rel. Per (%)	2/-17/1
12M Avg Val (INR M)	1358

#### Financials & Valuations (INR b)

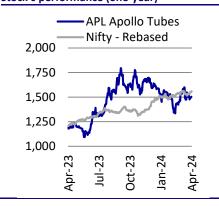
manciais & valuations (net b)								
Y/E Mar	FY24E	FY25E	FY26E					
Sales	175.6	226.5	285.4					
EBITDA	12.3	17.3	22.8					
PAT	7.6	11.5	15.8					
EBITDA (%)	7.0	7.6	8.0					
EPS (INR)	27.3	41.4	57.0					
EPS Gr. (%)	18.1	51.5	37.6					
BV/Sh. (INR)	130.7	166.1	217.1					
Ratios								
Net D/E	0.1	-0.1	-0.3					
RoE (%)	22.9	27.9	29.7					
RoCE (%)	20.1	25.3	28.8					
Payout (%)	18.3	14.5	10.5					
Valuations								
P/E (x)	57.2	37.8	27.4					
EV/EBITDA (x)	35.6	24.7	18.2					
Div Yield (%)	0.3	0.4	0.4					
FCF Yield (%)	1.0	2.4	3.3					

#### Shareholding pattern (%)

As on	Dec-23	Sep-23	Dec-22
Promoter	29.6	29.7	31.2
DII	13.8	12.7	10.4
FII	29.3	28.7	24.3
Others	27.4	31.6	34.1

Note: FII includes depository receipts

# Stock's performance (one-year)



Navigating market challenges

CMP: INR1,575

APL Apollo Tubes (APAT) ended FY24 with a healthy sales volume growth of ~15% YoY, despite the relatively subdued volume growth of just 2% YoY in 2HFY24. In this report, we have highlighted the current demand trend in the domestic structural tubes industry based on our channel checks. We have also underscored the company's strategy to foray into various international geographies.

TP:1,800 INR (+14%)

- Based on our channel checks, we anticipate that the overall demand scenario will continue to remain weak due to a slowdown in construction activity. The demand is likely to weaken further during the general election period owing to a delay in government projects and infrastructure spending.
- A majority of the dealers are operating with minimum inventory levels in anticipation of weak demand and due to the high cost of holding.
- We expect demand to recover strongly post-general elections (from 2QFY25) aided by the resumption of infrastructure spending and restocking of inventory by the dealers.
- In addition, APAT will capitalize on the significant global opportunity in the longer run to maintain its high growth momentum. Accordingly, it has recently commissioned its manufacturing plant in Dubai and plans to open warehouses in four key cities around the globe (Liverpool, Melbourne, Antwerp, and Houston).
- With these, the company is establishing its footprint in the global market to seize the opportunity. Going forward, international sales will be one of the key growth drivers for the company.
- Considering the weak sales volume in 2HFY24 and the muted demand outlook in the near term, we cut our FY24E EPS by 5%. Consequently, we reduce our FY25/ FY26 EPS estimates marginally by 4% each. We value the stock at 32x FY26E EPS to arrive at our TP of INR1,800. Reiterate BUY.

# Near-term pain likely; long-term growth trajectory remains intact

- APAT ended FY24 with a healthy volume growth of 15% YoY to ~26.2MTPA, despite the relatively subdued volume growth of just 2% YoY in 2HFY24, which was affected by channel destocking in 3Q and persistent demand weakness in 4Q.
- Sales volume was flat in 3QFY24 owing to channel destocking on account of the likely steel price correction (down 12% from the peak level) and weak retail sales within the construction industry. Further, sales volume inched up only 4% YoY in 4QFY24 as the unfavorable demand scenario continues.
- However, with the ramping up of the Raipur plant, the share of value-added products has been improving (~59% in 2HFY24 vs. ~56% in 1HFY24).
- We recently conducted channel checks with dealers across India, covering the key markets of Maharashtra, Delhi NCR, Chhattisgarh, and Tamil Nadu, et al.
- We anticipate that the overall demand scenario will continue to remain weak due to a slowdown in construction activity. The demand is likely to weaken further during the general election period owing to a delay in government projects and infrastructure spending (refer to Exhibit 3).

Sumant Kumar - Research Analyst (Sumant.Kumar@MotilalOswal.com)

 Accordingly, most of the dealers are operating with minimum inventory levels in anticipation of weak demand. Further, high interest costs make it unviable to carry higher inventory due to the high cost of holding.

- However, we expect demand to recover strongly post-general elections (from 2QFY25) aided by the resumption of infrastructure spending and restocking of inventory by the dealers.
- Further, with the commissioning of the Kolkata plant in FY25E and the ramping up of the newly commissioned Dubai and Raipur plants, we expect APAT to post a strong comeback in 2HFY25 with robust volume growth and improved EBITDA/MT (led by a higher share of value-added products).
- Thus, while the near-term pain for APAT is likely to persist (in 1QFY25), the long-term growth trajectory remains intact (expect 27%/ 36% revenue/ EBITDA CAGR over FY24-26).

# Tapping global opportunities to sustain the growth momentum

- APAT is a leader in the Indian structural tubes market with a market share of ~55%. The Indian structural tubes market was ~7.7MMT in CY23, and it is likely to reach ~17.3MMT by CY30, clocking ~12% CAGR over the period.
- Moreover, the HR coil-based structural tubes market is expected to reach
   ~13.3MMT by CY30 (vs. ~4.1MMT in CY23), clocking ~18% CAGR over CY23-30E.
- However, the global opportunity is massive. According to the 'Expert Market Research', the global steel market size was about 1,800MMT as of CY22. Considering that the global structural steel market accounts for about 9% of the total steel market, the global structural steel market stands at around 162MMT (~21 times the size of the domestic market).
- Accordingly, the company has recently commissioned (Dec'23) its manufacturing plant in Dubai (capacity of ~0.3 MMT; to be expanded to ~0.5MMT) and has set up a full-fledged team within the region, in order to cater to the rising demand in the Middle East.
- In addition, the company has highlighted its plan to open warehouses in four key cities around the globe (Liverpool, Melbourne, Antwerp, and Houston). APAT is strengthening its export department considerably to have a significant presence across the globe.
- In the longer run, the company expects its international sales to surpass 1MMT (~0.5MMT from the Dubai plant and 0.5MMT of exports from India), accounting for ~20% of the total sales volume (vs. ~2% in FY23).
- Therefore, going forward, international sales will be one of the key growth drivers for the company.

## Valuation and view

- APAT is likely to witness near-term pain on account of an unfavorable demand scenario. Although, we believe it will bounce back strongly after the general elections aided by the resumption of infrastructure spending and restocking of inventory by the dealers.
- On a longer term, we believe APAT would sustain its earnings momentum on the back of: 1) growing demand across segments, 2) increased product penetration with a robust distribution network, 3) rapid capacity expansion, 4) an increase in the share of VAP, thus driving margins, and 5) its market leadership.
- We expect APAT to report a revenue/EBITDA/PAT CAGR of 27%/36%/44% over FY24-26. Considering the weak sales volume in 2HFY24 and the muted demand outlook in the near term, we cut our FY24E EPS by 5%. Consequently, we reduce our FY25/FY26 EPS estimates marginally by 4% each. We value the stock at 32x FY26E EPS to arrive at our TP of INR1,800. **Reiterate BUY.**

Exhibit 1: One-year forward P/E (x)

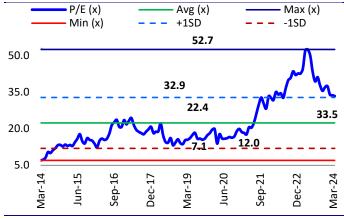
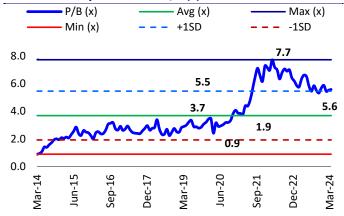


Exhibit 2: One-year forward P/B (x)

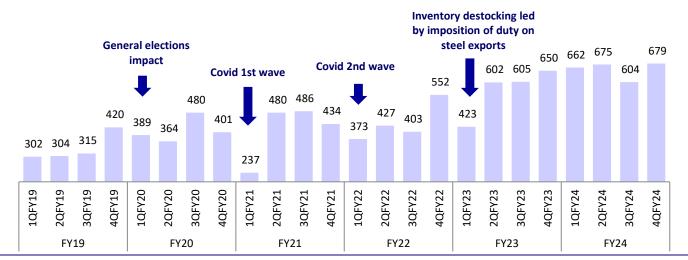


Source: Company, MOFSL

Exhibit 3: APAT quarterly sales volume trends over past six years

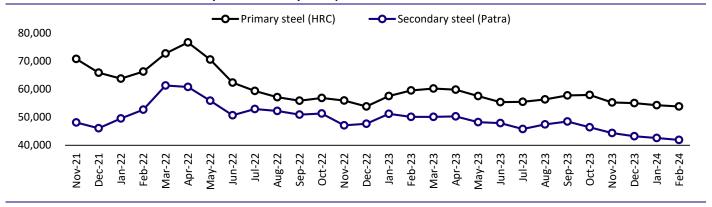
■ APAT quarterly sales volume (in '000 tons)

Source: Company, MOFSL



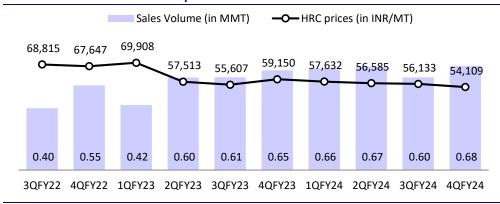
Source: Company, MOFSL

**Exhibit 4: Difference between Primary and Secondary steel prices** 



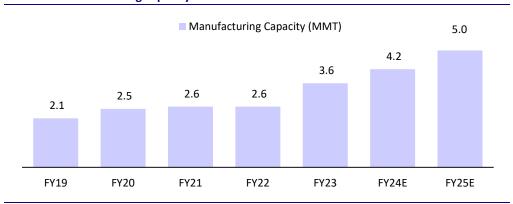
Source: Company, MOFSL

**Exhibit 5: Sales volume and HRC prices trend** 



Source: Company, MOFSL

**Exhibit 6: Manufacturing capacity of APAT** 



Source: Company, MOFSL

Exhibit 7: APAT's sales volume data

Y/E March	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24	3QFY24	4QFY24	YOY
Segment Volumes ('000 MT)											
Apollo Structural											
Big Section	35	40	33	41	46	39	45	51	62	64	63%
Super Heavy Section	0	0	0	0	0	2	4	5	7	8	234%
Light Structures	0	96	59	109	132	108	112	113	95	102	-5%
General Structures	139	223	165	276	264	299	282	301	249	272	-9%
Apollo Z - Rust-proof structures	0	166	141	137	125	163	170	144	124	156	-5%
Apollo Z- Coated Products	0	0	7	12	10	10	19	29	36	40	315%
Apollo Galv - Agri/Industrial	17	26	18	27	28	27	30	32	30	37	34%
Total	192	551	423	602	605	650	662	675	604	679	4%

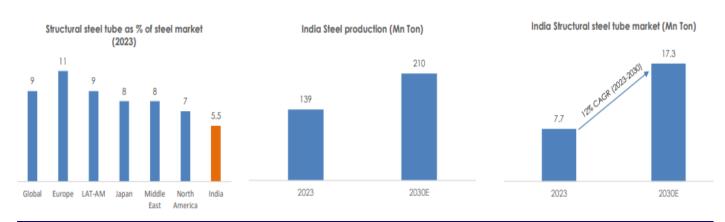
Source: Company, MOFSL

**Exhibit 8: APAT's volume compared to Peers** 

Y/E March	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24	3QFY24	4QFY24	YOY	QOQ	FY22	FY23	FY24	YOY
APL Apollo Tubes	423	602	605	650	662	675	604	679	4%	12%	1,755	2,280	2,619	15%
Hi Tech Pipes	70	86	91	107	84	100	99	108	0%	9%	279	354	391	10%
JTL Industries	51	52	57	80	77	82	101	82	2%	-19%	217	240	342	42%

Source: Company, MOFSL

Exhibit 9: India has a huge structural steel tubes-based construction potential

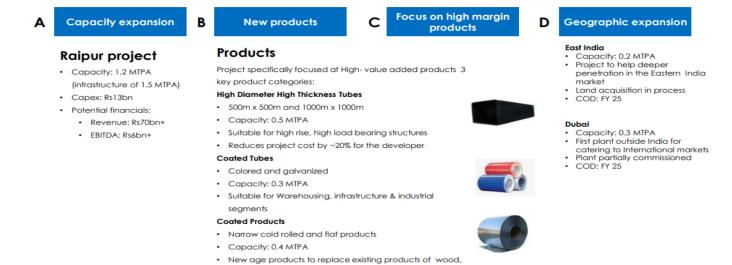


Source: Company, MOFSL

**Exhibit 10: Market creation by APAT** 

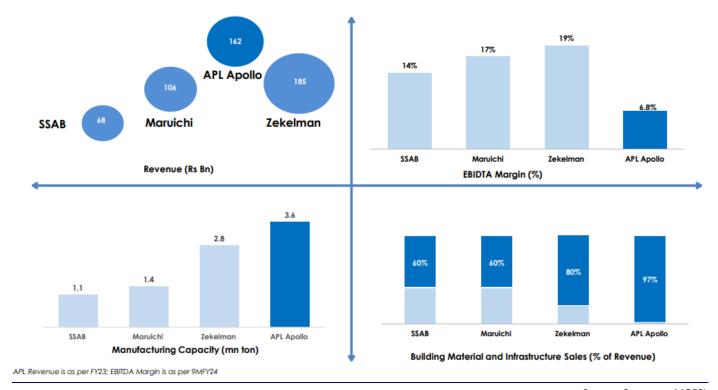
Conventional Construction Products	Applications	Why Structural Steel Tube replaces these products?	1	How we replaced the conventional products
Steel Angle/Channels	Structural support, Towers infrastructure	Uniform Strength, Lower steel consumption		
Wood	Furniture, Door Frames, Planks	Cost Effective, Termite Proof, Environmental Friendly		Low Diameter Steel Tubes/Low Load Bearing
Aluminum Profiles	Facades & Glazing	Cost Effective, Higher Strength		
Reinforced Cement Concrete	Construction of Buildings	Faster Construction Environmental Friendly	$\bigg]  \bigg]$	High Diameter Steel Tubes/High Load Bearing
Fabricated Metal Sheet	Pre-Engineered Steel Buildings	Lower steel consumption Reduces overall project cost		,

# **Exhibit 11: Key growth drivers of APAT**



Source: Company, MOFSL

**Exhibit 12: Global peer benchmarking** 



Source: Company, MOFSL

# **Financials and valuations**

Consolidated - Income Statement									(INRm)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Total Income from Operations	53,348	71,523	77,232	84,998	1,30,633	1,61,660	1,75,643	2,26,511	2,85,375
Change (%)	36.0	34.1	8.0	10.1	53.7	23.8	8.6	29.0	26.0
RM Cost	45,483	63,077	65,786	71,648	1,12,231	1,40,178	1,50,725	1,92,761	2,42,854
Employees Cost	862	1,079	1,422	1,296	1,530	2,062	2,596	2,831	3,567
Other Expenses	3,292	3,439	5,252	5,266	7,419	9,204	10,058	13,620	16,201
Total Expenditure	49,637	67,595	72,459	78,210	1,21,181	1,51,444	1,63,379	2,09,212	2,62,623
% of Sales	93.0	94.5	93.8	92.0	92.8	93.7	93.0	92.4	92.0
EBITDA	3,710	3,928	4,773	6,787	9,453	10,216	12,263	17,298	22,753
Margin (%)	7.0	5.5	6.2	8.0	7.2	6.3	7.0	7.6	8.0
Depreciation	534	643	959	1,028	1,090	1,383	1,793	2,159	2,373
EBIT	3,176	3,286	3,814	5,759	8,363	8,832	10,470	15,139	20,380
Int. and Finance Charges	813	1,134	1,073	661	445	671	1,063	700	400
Other Income	80	1,134	222	359	405	472	773	906	1,142
PBT bef. EO Exp.	2,443	2,269	2,963	5,458	<b>8,323</b>	8,633	10,180	15,345	21,121
EO Items	2,443	0	2,903	0	0,323	0,033	0	13,343	0
PBT after EO Exp.	2,443	<b>2,269</b>	<b>2,963</b>	<b>5,458</b>	<b>8,323</b>		10,180	<b>15,345</b>	<b>21,121</b>
	862	787				<b>8,633</b>			
Total Tax Tax Rate (%)	35.3	34.7	403 13.6	1,381 25.3	2,133 25.6	2,215 25.7	2,603 25.6	3,862 25.2	5,316 25.2
` ,	35.3	34.7	180		617				
Minority Interest				475		0	0	0	15.005
Reported PAT	1,581	1,482	2,380	3,602	5,573	6,419	7,577	11,483	15,805
Adjusted PAT	1,581	1,482	2,380	3,602	5,573	6,419	7,577	11,483	15,805
Change (%)	4.0	-6.2	60.5	51.3	54.7	15.2	18.1	51.5	37.6
Margin (%)	3.0	2.1	3.1	4.2	4.3	4.0	4.3	5.1	5.5
Consolidated - Balance Sheet									(INRm)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Equity Share Capital	237	239	249	250	501	555	555	555	555
Total Reserves	8,141	9,402	13,313	16,697	22,139	29,501	35,692	45,511	59,652
Net Worth	8,379	9,402	13,562	16,947	22,139	30,056	36,247	46,065	60,206
	0	9,041	954	1,383	2,000	0	0	40,003	00,200
Minority Interest Total Loans	7,751		8,338	5,203	5,806	8,729	8,229	4,229	1,229
Deferred Tax Liabilities	994	8,581 1,200	1,012	1,112		1,171		•	•
					1,187		1,171	1,171	1,171
Crass Block	17,124	19,422	23,865	24,644	31,633	<b>39,957</b>	45,647	51,466	62,607
Gross Block	9,617 988	11,626	17,246	18,568	20,677	29,513	35,505	40,253	43,003
Less: Accum. Deprn.		1,548	2,507	3,535	4,625	6,008	7,802	9,961	12,333
Net Fixed Assets	8,628	10,078	14,738	15,033	16,053	23,505	27,703	30,293	30,669
Goodwill on Consolidation	230	230	1,375	1,375	1,375	1,375	1,375	1,375	1,375
Capital WIP	460	275	101	1,077	5,037	3,740	3,748	2,500	1,250
Total Investments	11	494	15	15	913	960	5,460	8,960	12,460
Current Investments	0	0	0	0	50	0	4,500	8,000	11,500
Curr. Assets, Loans&Adv.	12,483	16,663	16,431	16,491	21,147	28,936	27,184	32,602	47,326
Inventory	5,915	7,835	7,842	7,599	8,472	14,799	15,667	18,915	23,744
Account Receivables	4,321	5,433	4,764	1,306	3,417	1,374	1,444	1,862	2,346
Cash and Bank Balance	68	478	456	3,579	3,764	3,525	1,292	2,765	9,822
Loans and Advances	2,179	2,917	3,370	4,006	5,494	9,239	8,782	9,060	11,415
Curr. Liability & Prov.	4,688	8,317	8,796	9,345	12,891	18,560	19,823	24,263	30,474
Account Payables	3,793	6,989	7,644	7,859	10,595	15,970	17,009	20,635	25,903
Other Current Liabilities	814	1,220	979	1,310	2,113	2,357	2,561	3,302	4,160
Provisions	81	108	173	177	184	233	253	326	411
Net Current Assets	7,795	8,346	7,636	7,145	8,256	10,377	7,361	8,339	16,853
Appl. of Funds	17,124	19,422	23,865	24,644	31,633	39,957	45,647	51,466	62,607

# **Financials and valuations**

Ratios									
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Basic (INR)									
EPS	5.7	5.3	8.6	13.0	20.1	23.1	27.3	41.4	57.0
Cash EPS	7.6	7.7	12.0	16.7	24.0	28.1	33.8	49.2	65.5
BV/Share	30.2	34.8	48.9	61.1	81.6	108.4	130.7	166.1	217.1
DPS	1.2	1.2	0.0	0.0	3.5	3.5	5.0	6.0	6.0
Payout (%)	25.3	27.7	0.0	0.0	17.4	15.1	18.3	14.5	10.5
Valuation (x)									
P/E	274.3	292.6	182.3	120.4	77.8	67.6	57.2	37.8	27.4
Cash P/E	205.0	204.1	129.9	93.7	65.1	55.6	46.3	31.8	23.9
P/BV	51.8	45.0	32.0	25.6	19.2	14.4	12.0	9.4	7.2
EV/Sales	8.3	6.2	5.7	5.1	3.4	2.7	2.5	1.9	1.4
EV/EBITDA	119.0	112.5	92.7	64.3	46.3	43.0	35.6	24.7	18.2
Dividend Yield (%)	0.1	0.1	0.0	0.0	0.2	0.2	0.3	0.4	0.4
FCF per share	3.5	4.7	-5.4	24.1	1.6	-2.3	16.0	37.6	52.2
Return Ratios (%)									
RoE	20.5	16.5	20.5	23.6	28.2	24.4	22.9	27.9	29.7
RoCE	14.5	12.9	17.4	20.8	25.8	20.6	20.1	25.3	28.8
RoIC	14.1	12.4	15.9	19.9	29.7	24.5	23.3	31.3	40.0
<b>Working Capital Ratios</b>									
Fixed Asset Turnover (x)	5.5	6.2	4.5	4.6	6.3	5.5	4.9	5.6	6.6
Asset Turnover (x)	3.1	3.7	3.2	3.4	4.1	4.0	3.8	4.4	4.6
Inventory (Days)	40	40	37	33	24	33	33	30	30
Debtor (Days)	30	28	23	6	10	3	3	3	3
Creditor (Days)	26	36	36	34	30	36	35	33	33
Leverage Ratio (x)									
Current Ratio	2.7	2.0	1.9	1.8	1.6	1.6	1.4	1.3	1.6
Interest Cover Ratio	3.9	2.9	3.6	8.7	18.8	13.2	9.9	21.6	50.9
Net Debt/Equity	0.9	0.8	0.6	0.1	0.1	0.2	0.1	-0.1	-0.3
Consolidated Cook Flour Statement									(INIDas)
Consolidated - Cash Flow Statement Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	(INRm) FY26E
OP/(Loss) before Tax	2,443	2,269	2,963	5,458	8,323	8,633	10,180	15,345	21,121
Depreciation Interest & Finance Charges	534 789	0	959 851	1,028 302	1,090 40	1,383 199	1,793 290	2,159 -206	2,373 -742
Direct Taxes Paid	-602	-673	-403	-1,381	-1,993	-2,161			-5,316
(Inc)/Dec in WC	-2,342	287	725	3,577	-1,154	-1,475	-2,603 783	-3,862 495	-1,456
CF from Operations	823	1,884	5,096	8,983	6,306	6,580	10,443	13,931	15,980
Others	91	1,693	0	0	211	321	0	0	13,980
CF from Operating incl EO	914	3,576	5,096	8,983	6,517	6,901	10,443	13,931	15,980
(Inc)/Dec in FA	48	-2,261	-6,591	-2,298	-6,070	-7,539	-6,000	-3,500	-1,500
Free Cash Flow	961	1,316	-0,391 - <b>1,495</b>	6,685	447	-7,539 - <b>638</b>	4,443	10,431	14,480
(Pur)/Sale of Investments	2	-390	479	0,083	-898	-48	-4,500	-3,500	-3,500
Others	-1,703	13	1,763	-4,171	1,666	-1,171	773	906	1,142
CF from Investments	-1,703 - <b>1,654</b>	- <b>2,639</b>	- <b>4,349</b>	-6,468	-5,301	-8,757	-9, <b>727</b>	- <b>6,094</b>	-3,858
Issue of Shares	100	56	10	1	251	1,284	0	0	0
Inc/(Dec) in Debt	1,807	830	-244	-3,135	603	2,924	-500	-4,000	-3,000
Interest Paid	-772	-1,014	-1,073	-661	-445	-671	-1,063	-700	-400
Dividend Paid	-283	-400	0	0	-971	-971	-1,387	-1,664	-1,664
Others	-59	-400	538	4,403	-469	-949	-1,367	-1,004	-1,004
CF from Fin. Activity	792	- <b>528</b>	- <b>768</b>	609	- <b>1,031</b>	1,617	- <b>2,949</b>	-6,364	-5,064
Inc/Dec of Cash	52	410	-708	3,123	185	-240	-2,349	1,473	7,057
Opening Balance	16	68	478	456	3,579	3,765	3,525	1,473	2,765
Closing Balance	68	478	476 <b>456</b>	3,579	3,765	3,525	1,292	2,765	9,822
Closing Dalance	00	4/0	430	3,3/3	3,700	3,323	1,272	2,700	3,022

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

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

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

#### **Disclosures**

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at http://onlinereports.motil laloswal.com/Dormant/d

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

#### Regional Disclosures (outside India)

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

#### For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. 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 broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

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

### For Singapore

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

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

Nainesh Rajani Email: nainesh.rajani@motilaloswal.com

Contact: (+65) 8328 0276

## 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
- 10 MOFSL has not engaged in market making activity for the subject company

2 April 2024

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:

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.