Apollo Tyres | BUY

Margin pressure to continue in near-term; Demand outlook healthy

During 1QFY25, Apollo Tyres reported consol. adj. EBITDAM of 14.4%, 170bps below JMFe. Domestic replacement demand continues to remain healthy. And, overall replacement segment is expected to grow by high single-digit during FY25. Demand in the International markets has also started to recover, albeit gradually. RM basket continues to inch-up. So far, pricing environment in domestic replacement market has been largely stable. However, with rising competitive intensity (in certain segments), ability to take further price increases remains a key monitorable (APTY took 1% in Jul'24 and another 4% is required). APTY indicated of maintaining a balance between price hike and market share going ahead. Focus on favourable mix and cost control efforts is also expected to support margin performance. Capex intensity is expected to be low in the medium-term. We have cut our EPS estimate for FY26 by 6% to factor-in gradual price increases. Consistent focus on driving profitable growth, deleveraging and improving ROCE is expected to support the stock performance. Maintain BUY and ascribe a 15x PE to arrive at Sept'25 TP of INR 550.

- 1QFY25 Muted performance: APTY reported standalone revenue of INR 45.9bn (+4% YoY, +5% QoQ), 3% above JMFe. EBITDA for the quarter stood at INR 6.3bn (-20% YoY, -8%QoQ). EBITDA margin stood at 13.8% (-400bps YoY, -180bps QoQ), 140bps below JMFe. At the consol. level, APTY reported revenue of INR 63.3bn (+1% YoY & QoQ). Consol. EBITDAM stood at 14.4% (-250bps YoY, -210bps QoQ), 170bps below JMFe due to higher than expected RM and employee costs. Adj. consol. PAT stood at INR 3.4bn (-17% YoY, -12% QoQ), c.14% below JMFe.
- India business: Domestic volumes grew by mid-single digit YoY during 1QFY25. This was led by double-digit YoY growth in exports and mid-single digit YoY growth in replacement segment. However, its OEM volumes declined by mid-single digit YoY during 1Q. Within replacement segment, TBR and PCR segment grew by double-digit YoY. Management indicated that APTY lost some market share during 1QFY25 owing to its focus on profitability (had a 28% / 20% market share in TBR / PCR segment in FY24). Owing to this, the company now plans to maintain balance between market share and profitability. And, APTY has guided for better than industry performance going ahead. Overall, the company expects OE vols (esp. in T&B segment) to recover during 2HFY25 and expects replacement segment to grow by high single-digit during FY25.
- European business: In 1QFY25, the company's EU operations reported revenue of EUR 146mn (+1% YoY). Company continued to outperform PCR tyre industry in EU resulting in marginal market share gains. EBITDA margin stood at 13.7% (+30bps YoY) led by favourable mix. UHP/UUHP tyres grew by 20% YoY and its share stood at 47% in 1QFY25 (vs. 39% in 1QFY24). In terms of outlook, demand momentum is expected to gradually pick up going ahead and APTY continues to focus on cost control measures and favourable mix to drive healthy performance.
- Margin outlook: RM basket cost increased by 5% QoQ during 1Q. However, with recent increase in NR prices, the company expects RM basket cost to increase by c.5% during 2QFY25. To mitigate these cost pressures, APTY took a 1% price increase across segment during 2Q (over and above 2%/1% price hike in PCR/TBR in 1Q). Management indicated

Financial Summary					(INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Net Sales	2,45,681	2,53,777	2,74,629	2,92,281	3,10,024
Sales Growth	17.3%	3.3%	8.2%	6.4%	6.1%
EBITDA	33,137	44,473	42,405	47,656	51,338
EBITDA Margin	13.5%	17.5%	15.4%	16.3%	16.6%
Adjusted Net Profit	10,818	17,988	17,416	21,647	24,892
Diluted EPS (INR)	17.0	28.3	27.4	34.1	39.2
Diluted EPS Growth	67.9%	66.3%	-3.2%	24.3%	15.0%
ROIC	8.3%	11.5%	11.1%	13.4%	15.0%
ROE	8.8%	13.4%	11.9%	13.4%	13.8%
P/E (x)	30.1	18.1	18.7	15.0	13.1
P/B (x)	2.5	2.3	2.1	1.9	1.7
EV/EBITDA (x)	10.5	7.5	7.5	6.3	5.4
Dividend Yield	0.6%	1.2%	1.1%	1.2%	1.5%

Source: Company data, JM Financial. Note: Valuations as of 08/Aug/2024



Ronak Mehta ronak.mehta@jmfl.com | Tel: (91 22) 66303125 Vivek Kumar vivek.kumar@jmfl.com | Tel: (91 22) 66303019

We acknowledge the support services of Dev Jogani and Neha Ayyer in preparation of this report

Recommendation and Price Target	
Current Reco.	BUY
Previous Reco.	BUY
Current Price Target (12M)	550
Upside/(Downside)	7.5%
Previous Price Target	550
Change	0.0%

Key Data – APTY IN	
Current Market Price	INR512
Market cap (bn)	INR324.9/US\$3.9
Free Float	59%
Shares in issue (mn)	572.1
Diluted share (mn)	635.1
3-mon avg daily val (mn)	INR2,111.0/US\$25.1
52-week range	568/365
Sensex/Nifty	78,886/24,117
INR/US\$	84.0

Price Performance			
%	1M	6M	12M
Absolute	-2.1	-5.1	16.8
Relative*	-0.3	-13.8	-2.3

* To the BSE Sensex

JM Financial Research is also available on: Bloomberg - JMFR <GO>, Thomson Publisher & Reuters, S&P Capital IQ, FactSet and Visible Alpha

Please see Appendix I at the end of this report for Important Disclosures and Disclaimers and Research Analyst Certification. that APTY will need another price hike of 4-5% in domestic market to fully mitigate these cost pressures. Focus on cost control measures and favourable product mix is also expected to support margin performance. The company re-iterated its continued focus on driving profitable growth and believes 16% EBITDA margin is sustainable in the medium-to-long term.

- Capex/debt update: Capacity utilization currently stands at c.82% / 78% for Indian and EU operations. The company maintained it capex guidance for FY25 at INR 10bn primarily towards de-bottlenecking, digitization and maintenance. Its consol. net debt decreased by INR 2.8bn to ~INR 23bn during 1QFY25. Net Debt / EBITDA remained stable QoQ at 0.6x.
- Other Highlights: 1) APTY exited certain non-profitable SKUs in OEM segment which is expected to support margin performance going ahead. 2) Vredestein brand continues to gain traction in domestic luxury car segment and the company recently started supplying to a German OEM in India.

Q1FY25 45,916 28,443 61.9 3,002 6.5	Q1FY24 44,133 26,690 60.5 2,782	% YoY 4.0 6.6 150bps	Q4FY24 43,874 26,087 59.5	% QoQ 4.7 9.0	Q1FY25E 44,756 27,301	% A/E 2.6 4.2
28,443 61.9 3,002 6.5	26,690 60.5 2,782	6.6 150bps	26,087	9.0	27,301	
61.9 3,002 6.5	60.5 2,782	150bps	-			4.2
3,002 6.5	2,782	.	59.5	2E0bpc		
6.5	-	7.0		250bps	61.0	90bps
		7.9	2,755	9.0	2,820	6.5
0 1 2 0	6.3	20bps	6.3	30bps	6.3	20bps
8,139	6,794	19.8	8,187	-0.6	7,832	3.9
17.7	15.4	230bps	18.7	-90bps	17.5	20bps
39,585	36,266	9.2	37,029	6.9	37,953	4.3
6,331	7,867	-19.5	6,845	-7.5	6,803	-6.9
13.8	17.8	-400bps	15.6	-180bps	15.2	-140bps
309	286	7.9	616	-49.9	325	-5.1
874	1,099	-20.5	884	-1.2	875	-0.1
2,291	2,260	1.3	2,347	-2.4	2,300	-0.4
3,475	4,794	-27.5	4,229	-17.8	3,953	-12.1
1,030	1,635	-37.0	1,746	-41.0	1,324	-22.2
29.6	34.1	-450bps	41.3	-1170bps	33.5	-390bps
2,445	3,159	-22.6	2,483	-1.5	2,629	-7.0
5.3	7.2	-180bps	5.7	-30bps	5.9	-50bps
	17.7 39,585 6,331 13.8 309 874 2,291 3,475 1,030 29.6 2,445	17.715.439,58536,2666,3317,86713.817.83092868741,0992,2912,2603,4754,7941,0301,63529.634.12,4453,159	17.715.4230bps39,58536,2669.26,3317,867-19.513.817.8-400bps3092867.98741,099-20.52,2912,2601.33,4754,794-27.51,0301,635-37.029.634.1-450bps2,4453,159-22.6	17.715.4230bps18.739,58536,2669.237,0296,3317,867-19.56,84513.817.8-400bps15.63092867.96168741,099-20.58842,2912,2601.32,3473,4754,794-27.54,2291,0301,635-37.01,74629.634.1-450bps41.32,4453,159-22.62,483	17.715.4230bps18.7-90bps39,58536,2669.237,0296.96,3317,867-19.56,845-7.513.817.8-400bps15.6-180bps3092867.9616-49.98741,099-20.5884-1.22,2912,2601.32,347-2.43,4754,794-27.54,229-17.81,0301,635-37.01,746-41.029.634.1-450bps41.3-1170bps2,4453,159-22.62,483-1.5	17.715.4230bps18.7-90bps17.539,58536,2669.237,0296.937,9536,3317,867-19.56,845-7.56,80313.817.8-400bps15.6-180bps15.23092867.9616-49.93258741,099-20.5884-1.28752,2912,2601.32,347-2.42,3003,4754,794-27.54,229-17.83,9531,0301,635-37.01,746-41.01,32429.634.1-450bps41.3-1170bps33.52,4453,159-22.62,483-1.52,629

Source: Company, JM Financial

Consolidated (INR mn)	Q1FY25	Q1FY24	% YoY	Q4FY24	% QoQ	Q1FY25E	% A/E
. ,	•	•		•		•	
Sales	63,349	62,446	1.4	62,582	1.2	63,253	0.2
RM	34,517	34,55319	0.6	33,024	4.5	34,200	0.9
as a % of sales	54.5	55.0	-50bps	52.8	170bps	54.1	40bps
Employee Expenses	7,968	7,388	7.9	7,288	9.3	7,351	8.4
as a % of sales	12.6	11.8	70bps	11.6	90bps	11.6	100bps
Other Costs	11,771	10,224	15.1	11,990	-1.8	11,569	1.8
as a % of sales	18.6	16.4	220bps	19.2	-60bps	18.3	30bps
Expenditure	54,256	51,931	4.5	52,302	3.7	53,120	2.1
EBITDA	9,093	10,515	-13.5	10,280	-11.5	10,132	-10.3
EBITDA Margin (%)	14.4	16.8	-250bps	16.4	-210bps	16.0	-170bps
Other Income	308	355	-13.2	743	-58.5	400	-22.9
Interest	1,070	1,355	-21.0	1,146	-6.7	1,125	-4.9
Depreciation	3,695	3,620	2.1	3,880	-4.8	3,750	-1.5
РВТ	4,636	5,896	-21.4	5,997	-22.7	5,657	-18.0
Тах	1,212	1,795	-32.5	2,089	-42.0	1,697	-28.6
Tax rate (%)	26.2	30.4	-430bps	34.8	-870bps	30.0	-380bps
PAT (Adjusted)	3,424	4,101	-16.5	3,908	-12.4	3,960	-13.5
PAT Margin (%)	5.4	6.6	-120bps	6.2	-80bps	6.3	-90bps

Source: Company, JM Financial



Exhibit 4. Revenue trend (consolidated)



Source: Company, JM Financial



Source: Company, JM Financial



Source: Company, JM Financial

Source: Company, JM Financial

Concellidated	New Assumptions		Ole	Old assumptions			Change (%)		
Consolidated	FY25E	FY26E	FY27E	FY25E	FY26E	FY27E	FY25E	FY26E	FY27E
Revenue	274,629	292,281	310,024	275,061	293,614	NA	0%	0%	NA
EBITDA	42,405	47,656	51,338	46,038	49,761	NA	-8%	-4%	NA
EBITDAM (%)	15.4%	16.3%	16.6%	16.7%	16.9%	NA	-130bps	-60bps	NA
PAT	17,416	21,647	24,892	19,959	23,121	NA	-12.7%	-6.4%	NA
EPS	27.4	34.1	39.2	31.4	36.4	NA	-12.7%	-6.4%	NA

Source: Company, JM Financial

Financial Tables (Consolidated)

Income Statement					(INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Net Sales	2,45,681	2,53,777	2,74,629	2,92,281	3,10,024
Sales Growth	17.3%	3.3%	8.2%	6.4%	6.1%
Total Revenue	2,45,681	2,53,777	2,74,629	2,92,281	3,10,024
Cost of Goods Sold/Op. Exp	1,46,371	1,36,631	1,53,160	1,60,904	1,69,708
Personnel Cost	26,199	29,640	31,426	33,109	34,791
Other Expenses	39,975	43,033	47,638	50,612	54,187
EBITDA	33,137	44,473	42,405	47,656	51,338
EBITDA Margin	13.5%	17.5%	15.4%	16.3%	16.6%
EBITDA Growth	28.7%	34.2%	-4.7%	12.4%	7.7%
Depn. & Amort.	14,191	14,778	15,265	15,774	16,291
EBIT	18,945	29,695	27,140	31,883	35,047
Other Income	411	1,536	1,659	1,791	1,935
Finance Cost	5,312	5,059	3,920	2,750	1,422
PBT before Excep. & Forex	14,044	26,171	24,879	30,924	35,559
Excep. & Forex Inc./Loss(-)	0	0	0	0	0
PBT	14,044	26,171	24,879	30,924	35,559
Taxes	3,226	8,183	7,464	9,277	10,668
Extraordinary Inc./Loss(-)	226	-773	0	0	0
Assoc. Profit/Min. Int.(-)	-2	-4	0	0	0
Reported Net Profit	11,046	17,219	17,416	21,647	24,892
Adjusted Net Profit	10,818	17,988	17,416	21,647	24,892
Net Margin	4.4%	7.1%	6.3%	7.4%	8.0%
Diluted Share Cap. (mn)	635.1	635.1	635.1	635.1	635.1
Diluted EPS (INR)	17.0	28.3	27.4	34.1	39.2
Diluted EPS Growth	67.9%	66.3%	-3.2%	24.3%	15.0%
Total Dividend + Tax	2,064	3,811	3,493	3,811	4,763
Dividend Per Share (INR)	3.3	6.0	5.5	6.0	7.5

Balance Sheet					(INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Shareholders' Fund	1,28,778	1,39,022	1,52,944	1,70,781	1,90,909
Share Capital	635	635	635	635	635
Reserves & Surplus	1,28,143	1,38,387	1,52,309	1,70,146	1,90,274
Preference Share Capital	0	0	0	0	0
Minority Interest	0	0	0	0	0
Total Loans	64,205	49,051	38,051	23,051	8,551
Def. Tax Liab. / Assets (-)	8,875	15,705	16,451	17,379	18,446
Total - Equity & Liab.	2,01,858	2,03,778	2,07,447	2,11,211	2,17,906
Net Fixed Assets	1,79,055	1,73,541	1,68,509	1,63,575	1,58,232
Gross Fixed Assets	3,04,483	3,12,773	3,23,250	3,33,983	3,44,823
Intangible Assets	2,288	2,311	2,311	2,311	2,311
Less: Depn. & Amort.	1,30,242	1,45,020	1,60,284	1,76,058	1,92,349
Capital WIP	2,526	3,477	3,233	3,340	3,448
Investments	4,358	5,317	8,317	11,317	14,317
Current Assets	89,461	89,891	1,02,281	1,11,394	1,24,164
Inventories	44,285	42,457	45,145	48,046	50,963
Sundry Debtors	24,885	26,648	30,096	32,031	33,975
Cash & Bank Balances	8,462	9,221	14,319	17,324	23,834
Loans & Advances	0	0	0	0	0
Other Current Assets	11,828	11,564	12,720	13,992	15,392
Current Liab. & Prov.	71,015	64,971	71,660	75,074	78,806
Current Liabilities	33,539	29,786	34,993	36,861	38,980
Provisions & Others	37,476	35,184	36,667	38,213	39,826
Net Current Assets	18,446	24,920	30,621	36,319	45,357
Total – Assets	2,01,858	2,03,778	2,07,447	2,11,211	2,17,906

Source: Company, JM Financial

Source: Company, JM Financial

Cash Flow Statement				((INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Profit before Tax	14,044	26,171	24,879	30,924	35,559
Depn. & Amort.	14,191	14,778	15,265	15,774	16,291
Net Interest Exp. / Inc. (-)	4,901	3,524	2,261	958	-512
Inc (-) / Dec in WCap.	-11,607	-5,981	-828	-2,932	-2,782
Others	228	-769	0	0	0
Taxes Paid	-3,226	-8,183	-7,464	-9,277	-10,668
Operating Cash Flow	18,533	29,540	34,113	35,447	37,888
Capex	-11,151	-9,265	-10,233	-10,840	-10,948
Free Cash Flow	7,382	20,275	23,880	24,607	26,940
Inc (-) / Dec in Investments	455	-959	-3,000	-3,000	-3,000
Others	411	1,536	1,659	1,791	1,935
Investing Cash Flow	-10,285	-8,688	-11,574	-12,049	-12,014
Inc / Dec (-) in Capital	0	0	0	0	0
Dividend + Tax thereon	-2,064	-3,811	-3,493	-3,811	-4,763
Inc / Dec (-) in Loans	-6,404	-15,154	-11,000	-15,000	-14,500
Others	-2,124	-1,128	-2,948	-1,583	-102
Financing Cash Flow	-10,592	-20,093	-17,441	-20,394	-19,365
Inc / Dec (-) in Cash	-2,344	759	5,098	3,005	6,510
Opening Cash Balance	10,807	8,462	9,221	14,319	17,324
Closing Cash Balance	8,462	9,221	14,319	17,324	23,834

Source: Company, JM Financial

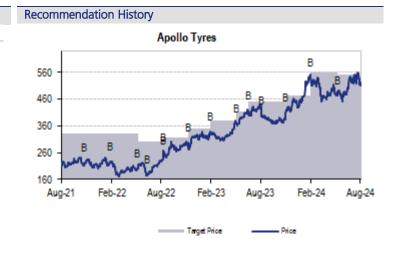
Dupont Analysis					
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Net Margin	4.4%	7.1%	6.3%	7.4%	8.0%
Asset Turnover (x)	0.9	1.0	1.1	1.1	1.1
Leverage Factor (x)	2.1	1.9	1.8	1.6	1.5
RoE	8.8%	13.4%	11.9%	13.4%	13.8%

Key Ratios					
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
BV/Share (INR)	202.8	218.9	240.8	268.9	300.6
ROIC	8.3%	11.5%	11.1%	13.4%	15.0%
ROE	8.8%	13.4%	11.9%	13.4%	13.8%
Net Debt/Equity (x)	0.4	0.3	0.2	0.0	-0.1
P/E (x)	30.1	18.1	18.7	15.0	13.1
P/B (x)	2.5	2.3	2.1	1.9	1.7
EV/EBITDA (x)	10.5	7.5	7.5	6.3	5.4
EV/Sales (x)	1.4	1.3	1.2	1.0	0.9
Debtor days	37	38	40	40	40
Inventory days	66	61	60	60	60
Creditor days	58	52	55	55	55

Source: Company, JM Financial

Apollo Tyres

History of Recommendation and Target Price			
Date	Recommendation	Target Price	% Chg.
5-Nov-20	Buy	175	
10-Dec-20	Buy	225	28.6
4-Feb-21	Buy	320	42.2
13-May-21	Buy	330	3.1
28-Jun-21	Buy	330	0.0
5-Aug-21	Buy	330	0.0
1-Nov-21	Buy	330	0.0
3-Feb-22	Buy	330	0.0
15-May-22	Buy	300	-9.1
19-Jun-22	Buy	300	0.0
16-Aug-22	Buy	315	5.0
17-Aug-22	Buy	315	0.0
15-Nov-22	Buy	350	11.1
6-Feb-23	Buy	380	8.6
10-May-23	Buy	415	9.2
25-Jun-23	Buy	450	8.4
13-Aug-23	Buy	450	0.0
8-Nov-23	Buy	475	5.6
8-Feb-24	Buy	560	17.9
15-May-24	Buy	550	-1.8



APPENDIX I

JM Financial Institutional Securities Limited

Corporate Identity Number: U67100MH2017PLC296081

Member of BSE Ltd. and National Stock Exchange of India Ltd.

SEBI Registration Nos.: Stock Broker - INZ000163434, Research Analyst - INH000000610

Registered Office: 7th Floor, Cnergy, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India.

Board: +91 22 6630 3030 | Fax: +91 22 6630 3488 | Email: jmfinancial.research@jmfl.com | www.jmfl.com

Compliance Officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1073 | Email: sahil.salastekar@jmfl.com

Grievance officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1073 | Email: instcompliance@jmfl.com

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

Definition of ratings		
Rating	Meaning	
Buy	Total expected returns of more than 10% for stocks with market capitalisation in excess of INR 200 billion and REITs* and more than 15% for all other stocks, over the next twelve months. Total expected return includes dividend yields.	
Hold	Price expected to move in the range of 10% downside to 10% upside from the current market price for stocks with market capitalisation in excess of INR 200 billion and REITs* and in the range of 10% downside to 15% upside from the current market price for all other stocks, over the next twelve months.	
Sell	Price expected to move downwards by more than 10% from the current market price over the next twelve months.	

* REITs refers to Real Estate Investment Trusts.

Research Analyst(s) Certification

The Research Analyst(s), with respect to each issuer and its securities covered by them in this research report, certify that:

All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and

No part of his or her or their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

Important Disclosures

This research report has been prepared by JM Financial Institutional Securities Limited (JM Financial Institutional Securities) to provide information about the company(ies) and sector(s), if any, covered in the report and may be distributed by it and/or its associates solely for the purpose of information of the select recipient of this report. This report and/or any part thereof, may not be duplicated in any form and/or reproduced or redistributed without the prior written consent of JM Financial Institutional Securities. This report has been prepared independent of the companies covered herein.

JM Financial Institutional Securities is registered with the Securities and Exchange Board of India (SEBI) as a Research Analyst and a Stock Broker having trading memberships of the BSE Ltd. (BSE) and National Stock Exchange of India Ltd. (NSE). No material disciplinary action has been taken by SEBI against JM Financial Institutional Securities in the past two financial years which may impact the investment decision making of the investor. Registration granted by SEBI and certification from the National Institute of Securities Market (NISM) in no way guarantee performance of JM Financial Institutional Securities or provide any assurance of returns to investors.

JM Financial Institutional Securities renders stock broking services primarily to institutional investors and provides the research services to its institutional clients/investors. JM Financial Institutional Securities and its associates are part of a multi-service, integrated investment banking, investment management, brokerage and financing group. JM Financial Institutional Securities and/or its associates might have provided or may provide services in respect of managing offerings of securities, corporate finance, investment banking, mergers & acquisitions, broking, financing or any other advisory services to the company(ies) covered herein. JM Financial Institutional Securities and/or its associates might have received during the past twelve months or may receive compensation from the company(ies) mentioned in this report for rendering any of the above services.

JM Financial Institutional Securities and/or its associates, their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (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) covered under this report or (c) act as an advisor or lender/borrower to, or may have any financial interest in, such company(ies) or (d) considering the nature of business/activities that JM Financial Institutional Securities is engaged in, it may have potential conflict of interest at the time of publication of this report on the subject company(ies).

Neither JM Financial Institutional Securities nor its associates or the Research Analyst(s) named in this report or his/her relatives individually own one per cent or more securities of the company(ies) covered under this report, at the relevant date as specified in the SEBI (Research Analysts) Regulations, 2014.

The Research Analyst(s) principally responsible for the preparation of this research report and their immediate relatives are prohibited from buying or selling debt or equity securities, including but not limited to any option, right, warrant, future, long or short position issued by company(ies) covered under this report. The Research Analyst(s) principally responsible for the preparation of this research report or their immediate relatives (as defined under SEBI (Research Analysts) Regulations, 2014); (a) do not have any financial interest in the company(ies) covered under this report or (b) did not receive any compensation from the company(ies) covered under this report, or from any third party, in connection with this report or (c) do not have any other material conflict of interest at the time of publication of this report. Research Analyst(s) are not serving as an officer, director or employee of the company(ies) covered under this report. While reasonable care has been taken in the preparation of this report, it does not purport to be a complete description of the securities, markets or developments referred to herein, and JM Financial Institutional Securities does not warrant its accuracy or completeness. JM Financial Institutional Securities may not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. This report is provided for information only and is not an investment advice and must not alone be taken as the basis for an investment decision.

This research report is based on the fundamental research/analysis conducted by the Research Analyst(s) named herein. Accordingly, this report has been prepared by studying/focusing on the fundamentals of the company(ies) covered in this report and other macro-economic factors. JM Financial Institutional Securities may have also issued or may issue, research reports and/or recommendations based on the technical/quantitative analysis of the company(ies) covered in this report by studying and using charts of the stock's price movement, trading volume and/or other volatility parameters. As a result, the views/recommendations expressed in such technical research reports could be inconsistent or even contrary to the views contained in this report.

The investment discussed or views expressed or recommendations/opinions given herein may not be suitable for all investors. The user assumes the entire risk of any use made of this information. The information contained herein may be changed without notice and JM Financial Institutional Securities reserves the right to make modifications and alterations to this statement as they may deem fit from time to time.

This report is neither an offer nor solicitation of an offer to buy and/or sell any securities mentioned herein and/or not an official confirmation of any transaction.

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 JM Financial Institutional Securities and/or its affiliated company(ies) 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 a certain category of investors. Persons in whose possession this report may come, are required to inform themselves of and to observe such restrictions.

Additional disclosure only for U.S. persons: JM Financial Institutional Securities has entered into an agreement with JM Financial Securities, Inc. ("JM Financial Securities"), a U.S. registered broker-dealer and member of the Financial Industry Regulatory Authority ("FINRA") in order to conduct certain business in the United States in reliance on the exemption from U.S. broker-dealer registration provided by Rule 15a-6, promulgated under the U.S. Securities Exchange Act of 1934 (the "Exchange Act"), as amended, and as interpreted by the staff of the U.S. Securities and Exchange Commission ("SEC") (together "Rule 15a-6").

This research report is distributed in the United States by JM Financial Securities in compliance with Rule 15a-6, and as a "third party research report" for purposes of FINRA Rule 2241. In compliance with Rule 15a-6(a)(3) this research report is distributed only to "major U.S. institutional investors" as defined in Rule 15a-6 and is not intended for use by any person or entity that is not a major U.S. institutional investor. If you have received a copy of this research report and are not a major U.S. institutional investor, you are instructed not to read, rely on, or reproduce the contents hereof, and to destroy this research or return it to JM Financial Institutional Securities or to JM Financial Securities.

This research report is a product of JM Financial Institutional Securities, which is the employer of the research analyst(s) solely responsible for its content. The research analyst(s) preparing this research report is/are resident outside the United States and are not associated persons or employees of any U.S. registered broker-dealer. Therefore, the analyst(s) are not subject to supervision by a U.S. broker-dealer, or otherwise required to satisfy the regulatory licensing requirements of FINRA and may not be subject to the Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

Any U.S. person who is recipient of this report that wishes further information regarding, or to effect any transaction in, any of the securities discussed in this report, must contact, and deal directly through a U.S. registered representative affiliated with a broker-dealer registered with the SEC and a member of FINRA. In the U.S., <u>JM Financial Institutional Securities has an affiliate, JM Financial Securities, Inc. located at 1325 Avenue of the Americas, 28th Floor, Office No. 2821, New York, New York 10019. Telephone +1 (332) 900 4958 which is registered with the SEC and is a member of FINRA and SIPC.</u>

Additional disclosure only for U.K. persons: Neither JM Financial Institutional Securities nor any of its affiliates is authorised in the United Kingdom (U.K.) by the Financial Conduct Authority. As a result, this report is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the Financial Services and Markets Act 2000) in connection with the matters to which this report relates may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This report is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this report relates is available only to relevant persons and will be engaged in only with relevant persons.

Additional disclosure only for Canadian persons: This report is not, and under no circumstances is to be construed as, an advertisement or a public offering of the securities described herein in Canada or any province or territory thereof. Under no circumstances is this report to be construed as an offer to sell securities or as a solicitation of an offer to buy securities in any jurisdiction of Canada. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the registration requirement in the relevant province or territory of Canada in which such offer or sale is made. This report is not, and under no circumstances is it to be construed as, a prospectus or an offering memorandum. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed upon these materials, the information contained herein or the merits of the securities described herein and any representation to the contrary is an offence. If you are located in Canada, this report has been made available to you based on your representation that you are an "accredited investor" as such term is defined in National Instrument 45-106 Prospectus Exemptions and a "permitted client" as such term is defined in National Instrument 45-106 Prospectus Exemptions. Under no circumstances is the information contained herein to be construed as investment advice in any province or territory of Canada nor should it be construed as being tailored to the needs of the recipient. Canadian recipients are advised that JM Financial Securities, Inc., JM Financial Institutional Securities Limited, their affiliates and authorized agents are not responsible for, nor do they accept, any liability whatsoever for any direct or consequential loss arising from any use of this research report or