Ashok Leyland | BUY

In-line quarter; RM tailwinds and favourable mix to aid margins

In 1QFY26, Ashok Leyland (AL) reported EBITDA margin of 11.1% (+50bps YoY), in-line with JMFe. The company expects mid-single-digit growth in the domestic CV industry in FY26, with LCVs marginally outpacing MHCVs, supported by higher government capex, stable freight rates, improved fleet utilisation, renewed construction/mining activity, and RBI rate cuts. A healthy defence order book and growth momentum in export markets should further aid volumes. We expect ~7% volume CAGR over FY25–27E, driven by favourable macroeconomic conditions, new product launches, and expanding touchpoints. Further, we expect margins to benefit from benign commodity costs, an increasing share of high-margin non-MHCV and export segments, and continued cost control initiatives. Therefore, we revise our EBITDA margin estimates upward by 40bps/30bps for FY26E/FY27E. Maintain BUY with a Mar'27 TP of INR 140 (20x FY27E EPS). Competitive intensity remains a key risk.

- 1QFY26 Margin in-line with JMFe: In 1QFY26, AL reported net sales of INR 87.2bn (+2% YoY, -27%QoQ), in-line with JMFe. Blended realisations grew by 0.7% YoY (-2% QoQ). Total volume grew 0.8% YoY (-25% QoQ). EBITDA margin stood at 11.1% (+50bps YoY; -390bps QoQ), in-line with JMFe. EBITDA stood at INR 9.7bn (+6% YoY, -46% QoQ), 2% above JMFe. PAT was at INR 5.9bn (+13% YoY; -53% QoQ), 4% above JMFe.
- Demand outlook: Ashok Leyland (AL) highlighted that the MHCV industry volumes declined by 2% YoY in 1QFY26, due to a high base. Supported by increased government capital expenditure, stable freight rates and fleet utilisation, renewed activity in construction and mining sectors, and the RBI rate cuts, the company expects mid-single-digit growth in the MHCV industry for FY26, with strong growth anticipated in 2HFY26. AL's domestic MHCV market share stood at 31.1% (vs. 30.9% in FY25). In the LCV (0–7.5T) segment, market share improved to 12.9% (+120bps YoY). The LCV industry is also expected to post mid-single-digit growth in FY26, marginally outpacing MHCV growth. The defence order book remains healthy for FY26, ensuring steady contribution from this segment. On the exports front, volumes grew ~29% YoY in 1Q, and the company expects strong momentum to continue, with demand recovery in the SAARC and Africa regions. Overall, supported by favourable macroeconomic conditions, new product launches, and expanding touchpoints, we expect AL's volumes to deliver a CAGR of ~7% over FY25–27E.
- Profitability outlook: During 1QFY26, EBITDA margin improved by 50bps YoY to 11.1%, driven by better realisations, a favourable product mix (aided by an increasing share of non-MHCV business), and sustained cost-control initiatives. The company successfully passed on the additional costs arising from AC norm compliance. AL also indicated that it remains insulated from tariff-related risks and expects commodity price uncertainty to settle going forward.
- Update on EV business: Switch Mobility has an order book of over 1,500 buses and achieved PBT breakeven in 1Q, with PAT breakeven targeted in FY26. AL's e-MaaS arm, OHM, operates 800 buses with 98%+ fleet availability and aims to scale to 2,500 buses within the next twelve months.

JM	FINANCIAL

Saksham Kaushal saksham.kaushal@jmfl.com | Tel: (91 22) 66303019 Nitin Agrawal nitin.agrawal@jmfl.com | Tel: (91 22) 66303687 Sahil Malik sahil.malik@jmfl.com | Tel: (91 22) 66301652

Recommendation and Price Target	
Current Reco.	BUY
Previous Reco.	BUY
Current Price Target (12M)	140
Upside/(Downside)	16.9%
Previous Price Target	132
Change	6.1%

Key Data – AL IN	
Current Market Price	INR120
Market cap (bn)	INR703.2/US\$8.0
Free Float	61%
Shares in issue (mn)	5,873.0
Diluted share (mn)	5,873.0
3-mon avg daily val (mn)	INR1,440.5/US\$16.5
52-week range	132/95
Sensex/Nifty	80,598/24,631
INR/US\$	87.6

Price Performanc	e 1M	6M	12M
Absolute	-2.8	10.3	-4.9
Relative*	-0.7	4.0	-6.6

* To the BSE Sensex

Financial Summary					(INR mn)
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E
Net Sales	383,670	387,527	421,804	461,771	497,623
Sales Growth	6.2%	1.0%	8.8%	9.5%	7.8%
EBITDA	46,066	49,306	55,080	61,650	66,613
EBITDA Margin	12.0%	12.7%	13.1%	13.4%	13.4%
Adjusted Net Profit	27,116	31,996	36,178	40,718	44,451
Diluted EPS (INR)	4.6	5.4	6.2	6.9	7.6
Diluted EPS Growth	109.3%	18.0%	13.1%	12.5%	9.2%
ROIC	82.3%	170.1%	138.7%	117.6%	138.7%
ROE	31.5%	31.5%	28.7%	27.2%	25.0%
P/E (x)	26.0	22.0	19.5	17.3	15.9
P/B (x)	8.0	6.1	5.2	4.3	3.7
EV/EBITDA (x)	15.1	14.0	12.7	11.1	10.0
Dividend Yield	1.1%	2.6%	2.1%	2.1%	2.1%

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

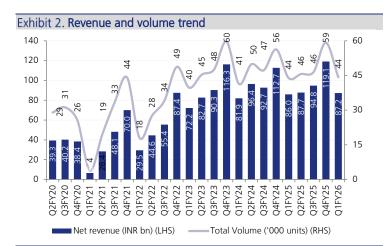
Please see Appendix I at the end of this report for Important Disclosures and Disclaimers and Research Analyst Certification.

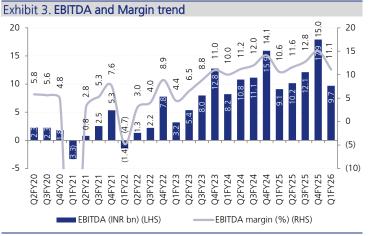
Source: Company data, JM Financial. Note: Valuations as of 13/Aug/2025

Other highlights: 1) HLFL delivered strong performance with AUM for HLF/HHF at INR 504bn/143bn (+25% YoY each). The HLFL reverse merger is expected to conclude in the coming quarters. 2) AL's Andhra Pradesh plant is ramping up, targeting 200 units/month by year-end. Bus capacity expansion is underway, with the Lucknow plant slated for 3QFY26 commissioning. 3) Net cash stood at INR 8bn (vs. net debt of INR 12bn in 1QFY25), while spares revenue grew 8% YoY in 1Q.

Exhibit 1. Standalone quarterly performance								
AL (INR mn)	Q1FY26	Q1FY25	% YoY	Q4FY25	% QoQ	Q1FY26E	% A/E	
MHCV (Units)	28,071	27,885	0.7	39,908	-29.7	28,071	0.0	
LCV (Units)	16,167	16,008	1.0	19,268	-16.1	16,167	0.0	
Total Volumes (Units)	44,238	43,893	0.8	59,176	-25.2	44,238	0.0	
Average Realisation (Net, INR)	1,972,176	1,958,975	0.7	2,012,084	-2.0	1,954,037	0.9	
Sales	87,245	85,985	1.5	119,067	-26.7	86,443	0.9	
RM	61,628	62,046	-0.7	84,028	-26.7	62,239	-1.0	
As a % of sales	70.6	72.2	-150bps	70.6	10bps	72.0	-140bps	
Employee Exp	6,122	5,498	11.4	6,515	-6	5,532	10.7	
As a % of sales	7.0	6.4	60bps	5.5	150bps	6.4	60bps	
Other Costs	9,799	9,333	5.0	10,614	-7.7	9,163	6.9	
As a % of sales	11.2	10.9	40bps	8.9	230bps	10.6	60bps	
Expenditure	77,550	76,877	0.9	101,158	-23.3	76,934	0.8	
EBITDA	9,696	9,109	6.4	17,910	-45.9	9,509	2.0	
EBITDA Margin	11.1	10.6	50bps	15.0	-390bps	11.0	10bps	
Other Income	529	224	136.5	1,059	-50.1	424	24.7	
Interest	419	591	-29.1	471	-11.2	483	-13.3	
Depreciation	1,828	1,727	5.8	1,789	2.2	1,860	-1.7	
PBT	7,977	7,015	13.7	16,709	-52.3	7,589	5.1	
Tax	2,040	1,759	16.0	4,114	-50.4	1,897	7.5	
Tax rate (%)	25.6	25.1		24.6		25.0		
PAT (Adjusted)	5,937	5,256	13.0	12,595	-52.9	5,692	4.3	
PAT Margin (Adjusted)	6.8	6.1	70bps	10.6	-380bps	6.6	20bps	
EPS (INR)	1.0	0.9	12.9	2.1	-52.9	1.0	4.3	

Source: Company, JM Financial





Source: Company, JM Financial

Source: Company, JM Financial; Note: 1QFY21 margin at -51%

Exhibit 4. AL - change in assumptions (standalone)										
	New assumption			Ole	Old assumption			% Change		
Ashok Leyland	FY25A	FY26E	FY27E	FY25A	FY26E	FY27E	FY25A	FY26E	FY27E	
Revenue (INR mn)	387,527	421,804	461,771	387,527	415,127	449,030	0.0%	1.6%	2.8%	
EBITDA (INR mn)	49,306	55,080	61,650	49,306	52,807	58,930	0.0%	4.3%	4.6%	
EBITDA margin (%)	12.7%	13.1%	13.4%	12.7%	12.7%	13.1%	0bps	40bps	30bps	
PAT (INR mn)	31,996	36,178	40,718	31,996	34,485	39,053	0.0%	4.9%	4.3%	
EPS (INR)	5.4	6.2	6.9	5.4	5.9	6.6	0.0%	4.9%	4.3%	

Source: Company, JM Financial



Source: Company, Bloomberg, JM Financial

Financial Tables (Standalone)

Income Statement (INR mn)							
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E		
Net Sales	383,670	387,527	421,804	461,771	497,623		
Sales Growth	6.2%	1.0%	8.8%	9.5%	7.8%		
Other Operating Income	0	0	0	0	0		
Total Revenue	383,670	387,527	421,804	461,771	497,623		
Cost of Goods Sold/Op. Exp	279,120	276,228	299,155	326,677	352,811		
Personnel Cost	22,334	24,063	26,262	28,626	30,916		
Other Expenses	36,151	37,931	41,307	44,818	47,283		
EBITDA	46,066	49,306	55,080	61,650	66,613		
EBITDA Margin	12.0%	12.7%	13.1%	13.4%	13.4%		
EBITDA Growth	57.2%	7.0%	11.7%	11.9%	8.1%		
Depn. & Amort.	7,178	7,193	7,690	8,524	8,673		
EBIT	38,888	42,112	47,390	53,125	57,940		
Other Income	2,466	2,503	2,628	2,812	3,008		
Finance Cost	2,494	2,169	1,457	1,282	1,282		
PBT before Excep. & Forex	38,859	42,446	48,561	54,655	59,666		
Excep. & Forex Inc./Loss(-)	0	0	0	0	0		
PBT	38,859	42,446	48,561	54,655	59,666		
Taxes	11,743	10,450	12,383	13,937	15,215		
Extraordinary Inc./Loss(-)	-937	1,037	0	0	0		
Assoc. Profit/Min. Int.(-)	0	0	0	0	0		
Reported Net Profit	26,179	33,033	36,178	40,718	44,451		
Adjusted Net Profit	27,116	31,996	36,178	40,718	44,451		
Net Margin	7.1%	8.3%	8.6%	8.8%	8.9%		
Diluted Share Cap. (mn)	2,936.3	2,936.5	5,873.0	5,873.0	5,873.0		
Diluted EPS (INR)	4.6	5.4	6.2	6.9	7.6		
Diluted EPS Growth	109.3%	18.0%	13.1%	12.5%	9.2%		
Total Dividend + Tax	7,634	18,353	14,683	14,683	14,683		
Dividend Per Share (INR)	1.3	3.1	2.5	2.5	2.5		

Balance Sheet					(INR mn)
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E
Shareholders' Fund	88,104	115,188	136,684	162,719	192,488
Share Capital	2,936	2,937	5,873	5,873	5,873
Reserves & Surplus	85,167	112,251	130,811	156,846	186,615
Preference Share Capital	0	0	0	0	0
Minority Interest	0	0	0	0	0
Total Loans	22,994	14,817	11,317	11,317	11,317
Def. Tax Liab. / Assets (-)	5,563	5,479	5,479	5,479	5,479
Total - Equity & Liab.	116,661	135,484	153,480	179,515	209,284
Net Fixed Assets	61,533	62,703	64,260	64,984	65,558
Gross Fixed Assets	115,307	121,437	130,685	139,932	149,180
Intangible Assets	0	0	0	0	0
Less: Depn. & Amort.	55,789	62,982	70,672	79,196	87,870
Capital WIP	2,015	4,248	4,248	4,248	4,248
Investments	55,598	86,730	99,230	111,730	124,230
Current Assets	118,987	105,826	110,749	134,749	162,759
Inventories	31,907	29,573	34,669	37,954	40,901
Sundry Debtors	35,699	28,873	40,447	44,279	47,717
Cash & Bank Balances	34,382	27,060	14,094	29,684	49,939
Loans & Advances	16,999	20,320	21,540	22,832	24,202
Other Current Assets	0	0	0	0	0
Current Liab. & Prov.	119,457	119,774	120,759	131,947	143,262
Current Liabilities	63,052	73,047	69,666	76,075	82,161
Provisions & Others	56,405	46,727	51,093	55,871	61,101
Net Current Assets	-470	-13,948	-10,010	2,802	19,497
Total – Assets	116,661	135,484	153,480	179,515	209,284

Source: Company, JM Financial

Source: Company, JM Financial

Cash Flow Statement		(INR mn)			
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E
Profit before Tax	38,859	42,446	48,561	54,655	59,666
Depn. & Amort.	7,178	7,193	7,690	8,524	8,673
Net Interest Exp. / Inc. (-)	2,494	2,169	1,457	1,282	1,282
Inc (-) / Dec in WCap.	20,378	6,156	-16,903	2,778	3,561
Others	0	0	0	0	0
Taxes Paid	-11,743	-10,450	-12,383	-13,937	-15,215
Operating Cash Flow	57,166	47,514	28,421	53,302	57,967
Capex	-4,345	-8,363	-9,248	-9,248	-9,248
Free Cash Flow	52,821	39,151	19,174	44,054	48,719
Inc (-) / Dec in Investments	11,038	-31,132	-12,500	-12,500	-12,500
Others	-2,494	-2,169	-1,457	-1,282	-1,282
Investing Cash Flow	4,199	-41,664	-23,204	-23,029	-23,029
Inc / Dec (-) in Capital	0	0	0	0	0
Dividend + Tax thereon	-7,634	-18,353	-14,683	-14,683	-14,683
Inc / Dec (-) in Loans	-9,254	-8,177	-3,500	0	0
Others	-15,108	13,357	0	0	0
Financing Cash Flow	-31,996	-13,172	-18,183	-14,683	-14,683
Inc / Dec (-) in Cash	29,369	-7,322	-12,966	15,590	20,255
Opening Cash Balance	5,013	34,382	27,060	14,094	29,684
Closing Cash Balance	34,382	27,060	14,094	29,684	49,939

Dupont Analysis						
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E	
Net Margin	7.1%	8.3%	8.6%	8.8%	8.9%	
Asset Turnover (x)	3.4	3.2	3.0	2.9	2.6	
Leverage Factor (x)	1.3	1.2	1.1	1.1	1.1	
RoE	31.5%	31.5%	28.7%	27.2%	25.0%	

Key Ratios					
Y/E March	FY24A	FY25A	FY26E	FY27E	FY28E
BV/Share (INR)	15.0	19.6	23.3	27.7	32.8
ROIC	82.3%	170.1%	138.7%	117.6%	138.7%
ROE	31.5%	31.5%	28.7%	27.2%	25.0%
Net Debt/Equity (x)	-0.1	-0.1	0.0	-0.1	-0.2
P/E (x)	26.0	22.0	19.5	17.3	15.9
P/B (x)	8.0	6.1	5.2	4.3	3.7
EV/EBITDA (x)	15.1	14.0	12.7	11.1	10.0
EV/Sales (x)	1.8	1.8	1.7	1.5	1.3
Debtor days	34	27	35	35	35
Inventory days	30	28	30	30	30
Creditor days	68	79	69	69	70

Source: Company, JM Financial

Source: Company, JM Financial

History of Recommendation and Target Price			
Date	Recommendation	Target Price	% Chg.
12-Feb-21	Buy	75	
25-Jun-21	Buy	75	0.0
13-Aug-21	Buy	75	0.0
15-Nov-21	Buy	80	6.7
14-Feb-22	Buy	75	-6.3
22-May-22	Buy	85	13.3
1-Aug-22	Buy	89	4.1
13-Nov-22	Buy	95	7.3
2-Feb-23	Buy	100	5.3
25-May-23	Buy	90	-10.0
15-Jun-23	Buy	90	0.0
24-Jul-23	Buy	100	11.1
12-Nov-23	Buy	100	0.0
6-Feb-24	Buy	100	0.0
26-May-24	Buy	138	37.5
28-Jul-24	Buy	138	0.0
10-Nov-24	Buy	138	0.0
27-Jan-25	Buy	118	-14.5
12-Feb-25	Buy	125	6.4
25-May-25	Buy	132	5.6

Recommendation History



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 1743 | Email: sahil.salastekar@jmfl.com

Grievance officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1743 | 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., JM Financial Institutional Securities has an affiliate, JM Financial Securities, Inc. located at 1325 Avenue of the Americas, 27th Floor, Office No. 2715, New York, New York 10019. Telephone +1 (332) 900 4958 which is registered with the SEC and is a member of FINRA and SIPC.

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 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. 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 lo