Nippon Life India Asset Management | BUY

Strong AUM growth; market share uptick key positive

NAM reported an operating PBT of INR 2.3bn (+25% YoY, +20% QoQ; in-line vs JMFe) driven by a) strong AUM growth of 23% YoY, b) steady top-line yields of 45bps (flat QoQ) and controlled opex (+13% YoY). Overall MF OAAUM witnessed a growth of +12% OoO (+23% YoY) with strong growth in equity and ETFs (+31.5% and +33% YoY resp) on back of buoyant markets and market share gains; further, even debt AUM witnessed a growth of +24% YoY. Monthly SIP flows improved to INR 17.3bn in Sep'23 vs INR 12.2bn in Jun'23 and SIP flow market share improved to 10.5% (+220bps QoQ). Top-line yields were held steady at 45bps despite favourable AUM mix as equity yields continue to see moderation as new lower yielding AUM continues to replace old higher yielding AUM and also as scheme AUM size is increasing. NAM has started to see equity market share gains (6.7% in Sep'23, +25bps QoQ) on the back of strong uptick in net equity flows and management indicated that this trend should subsist. NAM has seen a sharp bounce back since the lows seen post SEBI discussion paper on proposed TER changes given that SEBI has indicated that a revised discussion paper is in works. While there is a broad expectation that the new discussion paper will be much more positive for AMCs, we remain watchful of the key changes. Maintain BUY with a TP of INR 430.

- In-line core operating performance: Operating revenue yields were steady at 45bps despite favourable AUM mix as equity yields continue to see moderation as new lower yielding AUM continues to replace old higher yielding AUM and also as scheme AUM size is increasing. Opex was controlled (+13% YoY; +2.4% QoQ) and management indicated that there are one-off discretionary expenses over the last quarter which they can stop as needed. Operating PBT of INR 2.3bn (+25% YoY, +20% QoQ) was in-line with JMFe with core PBT margins improving +2bps QoQ to 27bps aided by operating leverage. Other income was strong at INR 0.8bn (vs INR 1.2bn QoQ).
- Strong AUM growth subsists: Overall MF QAAUM witnessed a growth of +12% QoQ (+23% YoY) with strong growth in equity and ETFs (+31.5% and +33% YoY resp) on back of buoyant markets and market share gains; further, even debt AUM witnessed a growth of +24% YoY. Monthly SIP flows improved to INR 17.3bn in Sep'23 vs INR 12.2bn in Jun'23 and SIP flow market share improved to 10.5% (+220bps QoQ). NAM's equity market share, which was steady around 6.3-6.4% levels for last 5-6 quarters, has started to see gains (6.7% in Sep'23, +25bps QoQ) on the back of strong uptick in net equity flows and management indicated that this trend should subsist. Management indicated that equity flows, unlike 1Q24 wherein they were concentrated in small/mid cap schemes, were more diversified this time with top 5 schemes contributing 80% of the flows. We remain watchful on the sustainability of market share gains going ahead.
- Valuation: NAM has seen a sharp bounce back since the lows seen post SEBI discussion paper on proposed TER changes given that SEBI has indicated that a revised discussion paper is in works. While there is a broad expectation that the new discussion paper will be much more positive for AMCs, we remain watchful of the key changes. Maintain BUY with a TP of INR 430.

Financial Summary					(INR mn)
Y/E March	FY21A	FY22A	FY23A	FY25E	FY25E
Mutual Fund AUM (closing basis, INR bn)	2,218	2,774	2,869	3,624	4,253
YoY growth (%)	36%	25%	3%	26%	17%
% of equity MF AUM (closing basis)	42%	42%	44%	47%	48%
Consol. Revenues (INR mn)	14,193	15,356	15,166	17,985	21,073
Total operating expenses (INR mn)	5,423	5,470	5,889	6,575	7,290
Consol. PAT (INR mn)	6,794	7,434	7,229	8,672	10,475
YoY growth (%)	63%	9%	-3%	20%	21%
Consol PAT / Avg. AUM (RoAUM) (%)	0.35%	0.30%	0.26%	0.27%	0.27%
RoE (%)	23.9%	22.6%	20.7%	24.2%	27.3%
EPS (INR)	11.1	12.1	11.8	14.2	17.1
P/E (x)	33.4	30.5	31.4	26.2	21.7

Source: Company data, JM Financial. Note: Valuations as of 30/Oct/2023



Akshay Jain akshay.jain@jmfl.com | Tel: (91 22) 66303099

Sameer Bhise sameer.bhise@jmfl.com | Tel: (91 22) 66303489

Shreyas Pimple shreyas.pimple@jmfl.com | Tel: (91 22) 66301881

Apurva Deshmukh apurva.deshmukh@jmfl.com | Tel: (91 22) 66303263

Mayank Mistry mayank.mistry@jmfl.com | Tel: (91 22) 66301877 Gayathri Shivaram

gayathri.shivaram@jmfl.com | Tel: (91 22) 66301889

Recommendation and Price Target			
Current Reco.	BUY		
Previous Reco.	BUY		
Current Price Target (12M)	430		
Upside/(Downside)	15.9%		
Previous Price Target	365		
Change	17.8%		

Key Data – NAM IN

Rey Data - MAINTIN	
Current Market Price	INR371
Market cap (bn)	INR231.8/US\$2.8
Free Float	20%
Shares in issue (mn)	612.0
Diluted share (mn)	
3-mon avg daily val (mn)	INR316.9/US\$3.8
52-week range	398/197
Sensex/Nifty	64,113/19,141
INR/US\$	83.2

1M	6M	12M
13.1	55.7	38.5
16.1	48.4	31.2
	13.1	13.1 55.7

* To the BSE Sensex

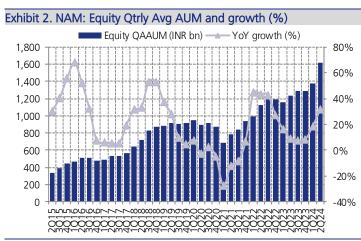
JM Financial Research is also available on: Bloomberg - JMFR <GO>, Thomson Publisher & Reuters, S&P Capital IQ, FactSet and Visible Alpha

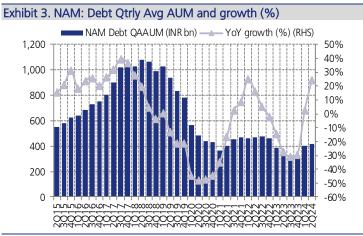
Please see Appendix I at the end of this report for Important Disclosures and Disclaimers and Research Analyst Certification.

Key Quarterly Trends

Exhibit 1. NAM 2Q24: Key Quarterly	y Highlights				
Consolidated P&L (INR mn)	2Q23	1Q24	2Q24	QoQ (%)	YoY (%)
Revenue from operations	3,316	3,542	3,975	12.2%	19.9%
Employee benefits expense	765	780	799	2.5%	4.4%
Marketing & publicity expense	139	135	156	15.2%	12.6%
Other operating expenses	556	696	695	-0.2%	25.0%
Total expenses	1,459	1,611	1,650	2.4%	13.1%
Operating PBT	1,857	1,931	2,325	20.4%	25.2%
Other income	819	1,169	779	-33.4%	-4.9%
РВТ	2,676	3,099	3,104	0.1%	16.0%
PAT	2,061	2,357	2,444	3.7%	18.6%
QAAUM (INR bn)	2Q23	1Q24	2Q24	QoQ (%)	YoY (%)
Equity	1,229	1,379	1,616	17.2%	31.5%
Debt	337	400	419	4.8%	24.3%
Liquid	616	543	580	6.7%	-6.0%
Other	668	814	891	9.4%	33.4%
Overall	2,851	3,136	3,506	11.8%	23.0%
Dupont analysis	2Q23	1Q24	2Q24	QoQ (%)	YoY (%)
Revenue / QAAUM (%)	0.47%	0.45%	0.45%	0.00%	-0.01%
Employee exp / QAAUM (%)	0.11%	0.10%	0.09%	-0.01%	-0.02%
Marketing & publicity exp / QAAUM (%)	0.02%	0.02%	0.02%	0.00%	0.00%
Total cost / QAAUM (%)	0.20%	0.21%	0.19%	-0.02%	-0.02%
Operating PBT / QAAUM (%)	0.26%	0.25%	0.27%	0.02%	0.00%
Other income / QAAUM (%)	0.11%	0.15%	0.09%	-0.06%	-0.03%
PBT / QAAUM (%)	0.38%	0.40%	0.35%	-0.04%	-0.02%
PAT / QAAUM (%)	0.29%	0.30%	0.28%	-0.02%	-0.01%

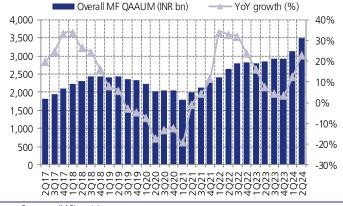
Source: JM Financial, Company



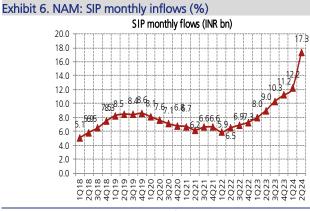


Source: Company, JM Financial

Source: Company, JM Financial



Source: Company, JM Financial



Source: Company, JM Financial; SIP book restated from 2QFY20 to show actual money received

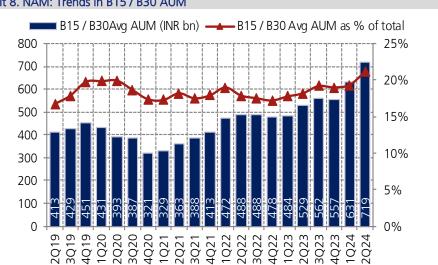
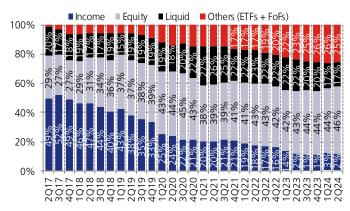


Exhibit 8. NAM: Trends in B15 / B30 AUM

Source: Company, JM Financial

Exhibit 5. NAM: Overall MF Qtrly Avg AUM mix (%)

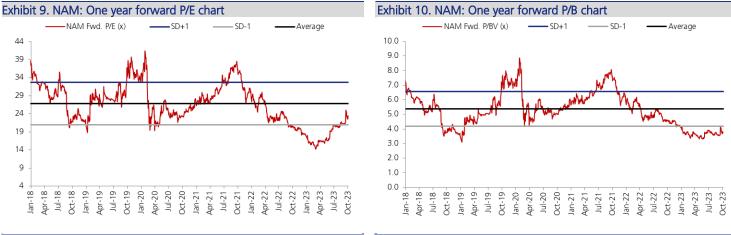


Source: Company, JM Financial





Source: Company, JM Financial



Source: Company, JM Financial, Bloomberg

Source: Company, JM Financial, Bloomberg

Financial Tables (Consolidated)

Income Statement (INR mn)						Key Ratios					
	FY21A	FY22A	FY23A	FY24E	FY25E	As a % of Avg AUM	FY21A	FY22A	FY23A	FY24E	FY25E
Invst. Mgmt. Fees	10,199	12,627	13,200	15,281	18,110	Core Revenues / Avg. AUM	0.55%	0.52%	0.48%	0.48%	0.47%
PMS Fees	423	439	299	332	385	Other Revenues / Avg. AUM	0.19%	0.09%	0.06%	0.07%	0.07%
Share of Profit in LLP	-	-	-	-	-	Total Revenues / Avg. AUM	0.74%	0.62%	0.54%	0.55%	0.54%
Investment Management fees	10,621	13,066	13,498	15,613	18,495	Employee cost / Avg. AUM	0.14%	0.12%	0.11%	0.10%	0.09%
Total Other income	3,572	2,290	1,668	2,373	2,578	Brokerage / Avg. AUM	0.02%	0.02%	0.02%	0.02%	0.02%
Total Revenue	14,193	15,356	15,166	17,985	21,073	Operating cost / Avg. AUM	0.28%	0.22%	0.21%	0.20%	0.19%
						PBT / Avg. AUM	0.46%	0.40%	0.33%	0.35%	0.35%
Employee costs	2,713	2,903	3,004	3,274	3,602	PAT / Avg. AUM	0.35%	0.30%	0.26%	0.27%	0.27%
Admin & Other expenses	1,703	1,520	1,709	1,965	2,201		0.27%	0.30%	0.27%	0.28%	0.28%
Mktg & publicity expenses	675	774	878	1,009	1,130	As a % of Balance sheet assets					
Total Operating Expenses	5,091	5,197	5,591	6,249	6,934	Core Revenues / Avg. Assets	34.1%	37.0%	36.0%	40.2%	44.4%
Depreciation/Diminution in LT	333	272	298	326	357	Other Revenues / Avg. Assets	11.5%	6.5%	4.4%	6.1%	6.2%
Total Expenditure	5,423	5,470	5,889	6,575	7,290	Total Revenues / Avg. Assets	45.5%	43.4%	40.4%	46.4%	50.6%
PBT	8,770	9,887	9,277	11,410	13,783	Employee cost / Avg. Assets	8.7%	8.2%	8.0%	8.4%	8.7%
Тах	(1,976)	(2,453)	(2,048)	(2,738)	(3,308)	Brokerage / Avg. Assets	1.4%	1.5%	1.3%	1.5%	1.5%
PAT (Pre-Extraordinaries)	6,794	7,434	7,229	8,672	10,475	Operating cost / Avg. Assets	16.3%	14.7%	14.9%	16.1%	16.7%
Less: MI + Share of Assoc.	9	8	4	-	-	PBT / Avg. Assets	28.1%	28.0%	24.7%	29.4%	33.1%
Reported Profit (PAT)	6,803	7,442	7,233	8,672	10,475	RoA (%)	21.8%	21.0%	19.3%	22.3%	25.2%
Dividend	4,922	6,843	7,166	6,937	8,380	Avg Assets/Equity (x)	1.09	1.07	1.07	1.08	1.08
Retained earnings	1,882	599	67	1,734	2,095	RoE (%)	23.9%	22.6%	20.7%	24.2%	27.3%
Source: Company, JM Financial						Source: Company, JM Financial					

Balance Sheet (INR mn) FY25E FY21A FY22A FY23A FY24E Share capital 6,165 6,220 6,232 6,232 6,232 Reserves & Surplus 24,838 28,558 28,922 30,427 33,965 31,003 34,778 36,659 40,197 Net worth 35,154 Preference shares -----Minority interest -----**Current Liabilities** 2,289 2,252 2,620 2,882 3,170 Provisions 234 154 127 159 198 **Total Liabilities** 33,527 37,184 37,901 39,700 43,565 Net Fixed Assets 3,021 2,961 3,073 3,164 3,265 29,417 33,105 36,261 Non-Current investments 25,500 30,231 36,972 Total Non-current assets 29,454 33,042 40,048 34,204 Total Current investments **Total Current Assets** 4,072 3,517 4,142 3,697 2,728 Total Assets 33,527 37,184 37,901 39,700 43,565

Source: Company, JM Financial

Mutual Fund AUM (INR bn)					
Closing AUM	FY21A	FY22A	FY23A	FY24E	FY25E
Equity	933	1,177	1,254	1,692	2,045
Debt	423	403	374	420	466
Liquid	479	586	457	520	585
Others	384	608	784	992	1,157
Total AUM	2,218	2,774	2,869	3,624	4,253

Source: Company, JM Financial

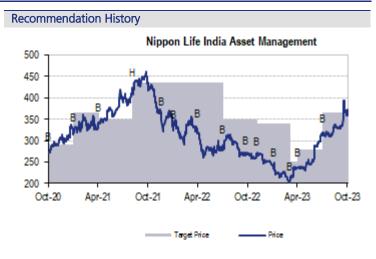
Growth ratios (YoY %)					
	FY21A	FY22A	FY23A	FY24E	FY25E
Inv mgmt fees	-11.7%	23.0%	3.3%	15.7%	18.5%
Other income	NM	-35.9%	-27.2%	42.2%	8.7%
Revenue	19.0%	8.2%	-1.2%	18.6%	17.2%
Employee cost	-10.3%	7.0%	3.5%	9.0%	10.0%
Admin & other exp	-2.0%	-10.7%	12.4%	15.0%	12.0%
Marketing & publicity	-45.6%	14.7%	13.4%	15.0%	12.0%
Total operating exp	-15.2%	2.1%	7.6%	11.8%	11.0%
PBT	56.7%	12.7%	-6.2%	23.0%	20.8%
Тах	37.2%	24.1%	-16.5%	33.7%	20.8%
PAT	63.8%	9.4%	-2.8%	19.9%	20.8%
Total Assets	16.4%	10.9%	1.9%	4.7%	9.7%
Equity AUM	49%	26%	7%	35%	21%
Debt AUM	10%	-5%	-7%	12%	11%
Liquid AUM	25%	22%	-22%	14%	13%
Other AUM	57%	58%	29%	27%	17%
Total AUM	36%	25%	3%	26%	17%

Source: Company, JM Financial

Valuation					
	FY21A	FY22A	FY23A	FY24E	FY25E
Shares in issue (mn)	612.0	612.0	612.0	612.0	612.0
EPS (INR)	11.1	12.1	11.8	14.2	17.1
EPS (YoY) (%)	63%	9%	-3%	20%	21%
PER (x)	33.4	30.5	31.4	26.2	21.7
BV (INR)	50.7	56.8	57.4	59.9	65.7
BV (YoY)	19.6%	12.2%	1.1%	4.3%	9.6%
P/BV (x)	7.3	6.5	6.5	6.2	5.6
DPS (INR)	8.0	11.2	11.7	11.3	13.7
Div. yield (%)	2.5%	3.5%	3.7%	3.6%	4.3%

Source: Company, JM Financial

History of Earr	nings Estimate and Ta	arget Price	
Date	Recommendation	Target Price	% Chg.
23-Jan-20	Hold	340	
24-Apr-20	Hold	225	-33.8
17-May-20	Hold	225	0.0
28-Jul-20	Hold	225	0.0
30-Sep-20	Buy	290	28.9
27-Oct-20	Buy	290	0.0
27-Jan-21	Buy	365	25.9
28-Apr-21	Buy	350	-4.1
31-Aug-21	Hold	435	24.3
15-Dec-21	Buy	435	0.0
27-Jan-22	Buy	435	0.0
26-Apr-22	Buy	435	0.0
28-Jul-22	Buy	350	-19.5
19-Oct-22	Buy	350	0.0
29-Nov-22	Buy	340	-2.9
30-Jan-23	Buy	340	0.0
29-Mar-23	Buy	250	-26.5
26-Apr-23	Buy	280	12.0
27-Jul-23	Buy	365	30.4



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.

Nippon Life India Asset Management

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 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Under no circumstances is 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 the information contained herein.