Fusion Micro Finance I BUY

In-line quarter; collection efficiency improvement key monitorable

Fusion reported profits of INR 1.26bn (+4.3% QoQ, +32.2% YoY), in-line with our estimates. However, AUM growth was a tad soft (24.6% YoY, 7.5% QoQ) and credit cost remained relatively high (at 3.4% vs 3.6% QoQ). Continued NIM expansion to 11.12% (+23bps QoQ) led by moderation in marginal cost of borrowings aided the earnings performance for the guarter. AUM stood at INR 100.3bn on the back of softer disbursement trends (+14.2% YoY, +2.6% QoQ) impacted by unseasonal rains and floods. MFI AUM grew slower (+22.6% YoY, +2.8% QoQ) whereas MSME AUM grew rapidly (+104.7% YoY, +15.7% QoQ). Credit costs were elevated driven by high write-offs of INR 1.03bn and increase in management overlay by INR 102.3mn. Of the write-offs, ~30% emanated from the pre-Apr21 portfolio while balance has come through the post-Apr'21 portfolio. Lower collection efficiency in some of the states (highlighted in 1QFY24) such as Punjab, Rajasthan, etc is driving stress inflow for Fusion and mgmt. intends to recalibrate its collection strategy to drive better collection efficiency over the next couple of quarters. Mgmt. remains confident of restricting credit costs for FY24 at ~3% (after avg credit costs ~3.5% for 1HFY24). We build credit costs of 270bps (% of AUM) over FY24/FY25 (with 3% in FY24). Fusion's sticky credit costs will be a key monitorable over the next couple of quarters given that some of the similar sized peers have reported better collection efficiencies (though mgmt. had highlighted credit costs should trend meaningfully lower in 2HFY24 in 4QFY24 itself). We expect growth to accelerate given seasonally stronger second half and continued momentum on customer addition. We maintain BUY with a target price of target price of INR 700 (values Fusion at 2.1x FY25e P/BV).

- Soft AUM growth: In 2Q24, AUM stood at INR 100.3bn (+24.6% YoY, +3.2% QoQ) on the back of softer disbursement trends (+14.2% YoY, +2.6% QoQ) impacted by unseasonal rains and floods. Active borrower's stands at 3.69mn with 0.16mn added in first half of the year. While Fusion has seen moderation in AUM growth in first half of the year, mgmt. expects growth to be backended with traction observed in Sep and Oct having an average disbursement of ~INR 8.5bn. We build AUM CAGR of 29% over FY24-25E. Fusion's overall unique customers stand at 31% (vs 34% as of Mar'23) and healthy trends are observed in the top 5 states hinting not much has changed on competition intensity front. Fusion reported an inline quarter with PAT at INR 1.26bn (+4.3% QoQ, 32.2% YoY) aided by controlled opex (cost to income at 36.4% flat QoQ) and slight moderation in credit costs (3.4% vs 3.6% QoQ). NIMs expanded by 23bps to 11.12% on account of increased proportion of higher yielding funds (+20bps) and improvement in marginal cost of borrowing (-10bps). We build EPS CAGR growth of 33% over FY24-25E.
- Write-offs remain elevated due to change in policy: GNPA/NNPA improved 52bps/13bps QoQ to 2.68%/0.65%, credit costs (to AUM) stood at 3.4% (-20bps QoQ) driven by high write-offs of INR 1.03bn and increase in management overlay by INR 102.3mn. Mgmt. cited that write-offs remained high on account of change in its policy from 360 to 270 days since 1Q24 and is expected to normalise by 4Q24. Of the write-offs, ~30% emanated from the pre-Apr21 portfolio while balance has come through the post-Apr'21

Financial Summary					(INR mn)
Y/E March	FY21A	FY22A	FY23E	FY24E	FY25E
Net Profit	439	218	3,871	4,900	6,895
Net Profit (YoY) (%)	-36.9%	-50.5%	1,679.6%	26.6%	40.7%
Assets (YoY) (%)	37.7%	24.9%	28.4%	25.3%	26.2%
ROA (%)	0.9%	0.3%	4.6%	4.6%	5.2%
ROE (%)	3.6%	1.7%	21.2%	19.4%	22.7%
EPS	5.6	2.6	38.6	48.8	68.7
EPS (YoY) (%)	-36.9%	-52.7%	1,367.7%	26.6%	40.7%
P/E (x)	102.3	216.5	14.7	11.7	8.3
BV	158	162	231	273	331
BV (YoY) (%)	3.8%	2.5%	43.1%	17.9%	21.4%
P/B∨ (x)	3.61	3.52	2.46	2.09	1.72



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

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

Mayank Mistry mayank.mistry@jmfl.com | Tel: (91 22) 62241877 Gayathri Shivaram

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

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

Recommendation and Price Target	
Current Reco.	BUY
Previous Reco.	BUY
Current Price Target (12M)	700
Upside/(Downside)	23.0%
Previous Price Target	720
Change	-2.8%

Key Data – FUSION IN	
Current Market Price	INR569
Market cap (bn)	INR57.5/US\$0.7
Free Float	45%
Shares in issue (mn)	100.3
Diluted share (mn)	
3-mon avg daily val (mn)	INR153.5/US\$1.8
52-week range	691/321
Sensex/Nifty	64,942/19,407
INR/US\$	83.3

Price Performance			
%	1M	6M	12M
Absolute	-3.7	28.6	0.0
Relative*	-2.1	20.9	0.0
* 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.

Fusion Micro Finance

portfolio. Collection efficiency stood at 97.6% (+3bps QoQ) impacted by floods and unseasonal rains. Lower collection efficiency in some of the states (highlighted in 1QFY24) such as Punjab, Rajasthan, etc. is driving stress inflow for Fusion and mgmt. intends to recalibrate its collection strategy to drive better collection efficiency over the next couple of quarters. Coverage ratio stands at 73% and is expected to increase going forward. Mgmt. expects credit costs to normalise by 4Q24 to ~3%. We expect avg. credit costs of 270bps over FY24-25E.

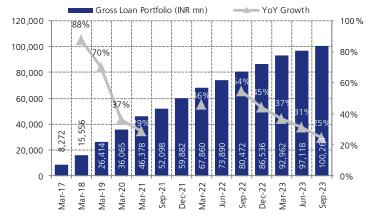
Valuation and view: Fusion is currently trading at 1.7x FY25E BVPS and we expect the stock to deliver superior return metrics of 4.7%/23.4% RoA/RoE for FY25E. Although, Fusion's sticky credit costs will be a key monitorable over the next couple of quarters given that some of the similar sized peers have reported better collection efficiencies (though mgmt. had highlighted credit costs should trend meaningfully lower in 2HFY24 in 4QFY24 itself). We expect growth to accelerate given seasonally stronger second half and continued momentum on customer addition. We maintain BUY with a target price of target price of INR 700 (values Fusion at 2.1x FY25e P/BV).

Fusion 2Q24 trends

Earnings Table (INR mn)	2Q'23	1Q'24	2Q'24	YoY (%)	QoQ (%)
Interest Income	4,307	5,042	5,263	22.2%	4.4%
Interest Expenses	1,573	1,835	1,910	21.4%	4.1%
Net interest income	2,733	3,207	3,353	22.7%	4.6%
Non-Interest Income	217	486	449	107.6%	-7.5%
Total Income	2,950	3,693	3,803	28.9%	3.0%
Employees Cost	797	978	993	24.6%	1.5%
Other Expenditure	280	361	392	39.8%	8.6%
Total Operating Expenses	1,077	1,339	1,385	28.5%	3.4%
Operating Profit (PPP)	1,873	2,354	2,418	29.1%	2.7%
Provisions & Write Offs	612	759	762	24.5%	0.4%
PBT	1,261	1,595	1,656	31.3%	3.8%
Tax	310	390	399	28.6%	2.3%
Reported Profit	951	1,205	1,257	32.2%	4.3%
	551	1,200	1,20,	52.270	4.5 /6
Balance Sheet Data (INR bn)					
Assets Under Management	80.5	97.1	100.3	24.6%	3.2%
Disbursements	20.5	22.8	23.4	14.2%	2.6%
Dispuisements	20.5	22.0	23.4	14.2 /0	2.070
Ratios Analysis (%)					
Cost to Income (%)	36.5%	36.3%	36.4%	-0.11%	0.15%
Effective Tax Rate (%)	25%	24%	24%	-1%	0.15%
	2370	2470	2470	170	070
Asset Quality					
Gross NPA (%)	3.83%	3.20%	2.68%	-1.15%	-0.52%
Net NPA (%)	1.12%	0.78%	0.65%	-0.47%	-0.13%
Coverage (%)	67.8%	72.8%	73.0%	5.1%	0.1%
coverage (70)	07.070	72.070	75.070	5.170	0.170
Capital Adequacy (%)					
CAR (%)	20.97%	28.26%	28.78%	7.81%	0.52%
	20.3770	20.2070	20.7070	,,	0.02.70
Du-pont Analysis (%)					
NII / Assets (%)	13.75%	13.29%	13.17%	-0.58%	-0.12%
Non-Interest Inc. / Assets (%)	1.09%	2.01%	1.76%	0.68%	-0.25%
Operating Cost / Assets (%)	5.42%	5.55%	5.44%	0.02%	-0.11%
Operating Profits / Assets (%)	9.42%	9.76%	9.50%	0.08%	-0.26%
Provisions / Assets (%)	3.08%	3.15%	2.99%	-0.08%	-0.15%
PBT/ Assets (%)	6.34%	6.61%	6.50%	0.16%	-0.11%
ROA (%)	4.78%	4.99%	4.94%	0.16%	-0.06%
				011070	0.0070
Du-pont Analysis (%) - AUM					
NII / AUM (%)	14.17%	13.50%	13.59%	-0.58%	0.09%
Other income / AUM (%)	1.12%	2.05%	1.82%	0.70%	-0.22%
Cost to AUM (%)	5.58%	5.64%	5.61%	0.03%	-0.02%
PPP / AUM (%)	9.70%	9.91%	9.80%	0.09%	-0.11%
Provisions / AUM (%)	3.17%	3.20%	3.09%	-0.08%	-0.11%
PBT / AUM (%)	6.53%	6.71%	6.71%	0.18%	0.00%
ROAUM (%)	4.93%	5.07%	5.09%	0.17%	0.02%
Source: Company, JM Financial	U/ UC.F	5.0770	5.0570	0.1770	0.02 /

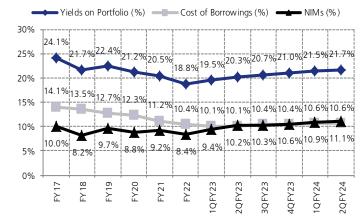
Source: Company, JM Financial

Exhibit 2. Fusion: Trends in Gross Loan Portfolio

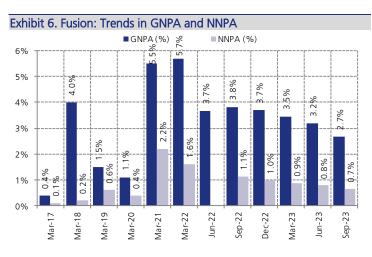


Source: Company, JM Financial

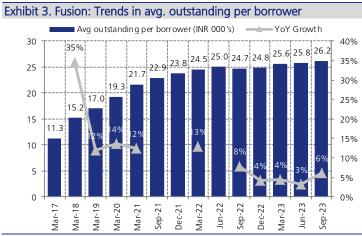




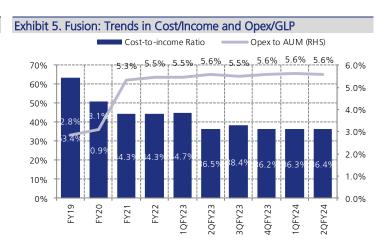
Source: Company, JM Financial



Source: Company, JM Financial



Source: Company, JM Financial



Source: Company, JM Financial

Financial Tables (Standalone)

Income Statement				()	NR mn)
Y/E March	FY21A	FY22A	FY23E	FY24E	FY25E
Net Interest Income (NII)	4,632	6,292	10,542	14,380	18,558
Non Interest Income	347	762	1,030	1,236	1,510
Total Income	4,980	7,054	11,572	15,616	20,068
Operating Expenses	2,204	3,123	4,448	5,899	7,524
Pre-provisioning Profits	2,776	3,931	7,124	9,717	12,544
Loan-Loss Provisions	2,208	3,687	2,004	2,540	2,845
Others Provisions	0	0	0	600	443
Total Provisions	2,208	3,687	2,004	3,140	3,288
PBT	568	244	5,120	6,577	9,256
Tax	128	27	1,248	1,677	2,360
PAT (Pre-Extra ordinaries)	439	218	3,871	4,900	6,895
Extra ordinaries (Net of Tax)	0	0	0	0	0
Reported Profits	439	218	3,871	4,900	6,895
Dividend	0	0	0	735	1,034
Retained Profits	439	218	3,871	4,165	5,861

Source: Company, JM Financial

Balance Sheet				((INR mn)
Y/E March	FY21A	FY22A	FY23E	FY24E	FY25E
Equity Capital	790	828	1,003	1,003	1,003
Reserves & Surplus	11,673	12,552	22,216	26,381	32,242
Stock option outstanding	0	0	0	0	0
Borrowed Funds	44,323	57,758	67,784	86,764	111,057
Deferred tax liabilities	0	0	0	0	0
Preference Shares	0	0	0	0	0
Current Liabilities & Provisions	1,593	1,767	2,632	3,159	3,790
Total Liabilities	58,379	72,905	93,635	117,306	148,093
Net Advances	43,607	59,182	80,416	103,036	132,554
Investments	0	0	0	0	0
Cash & Bank Balances	13,353	11,536	10,650	10,304	13,255
Loans and Advances	0	0	0	0	0
Other Current Assets	471	1,127	1,580	2,750	777
Fixed Assets	183	192	212	242	276
Miscellaneous Expenditure	0	0	0	0	0
Deferred Tax Assets	765	868	778	974	1,230
Total Assets	58,379	72,905	93,635	117,306	148,093

Source: Company, JM Financial

Key Ratios					
Y/E March	FY21A	FY22A	FY23E	FY24E	FY25E
Growth (YoY) (%)					
Borrowed funds	49.0%	30.3%	17.4%	28.0%	28.0%
Advances	30.4%	35.7%	35.9%	28.1%	28.6%
Total Assets	37.7%	24.9%	28.4%	25.3%	26.2%
NII	30.1%	35.8%	67.6%	36.4%	29.1%
Non-interest Income	-5.3%	119.4%	35.1%	20.0%	22.1%
Operating Expenses	10.2%	41.7%	42.5%	32.6%	27.5%
Operating Profits	44.0%	41.6%	81.2%	36.4%	29.1%
Core Operating profit	55.0%	39.5%	85.1%	37.5%	29.6%
Provisions	138.2%	67.0%	-45.7%	56.7%	4.7%
Reported PAT	-36.9%	-50.5%	1,679.6%	26.6%	40.7%
Yields / Margins (%)					
Interest Spread	9.68%	9.85%	10.74%	10.87%	10.85%
NIM	9.40%	9.86%	13.03%	14.07%	14.32%
Profitability (%)					
ROA	0.87%	0.33%	4.65%	4.65%	5.20%
ROE	3.6%	1.7%	21.2%	19.4%	22.7%
Cost to Income	44.3%	44.3%	38.4%	37.8%	37.5%
Asset quality (%)					
Gross NPA	5.67%	5.81%	3.50%	3.10%	2.72%
LLP	5.73%	7.17%	2.87%	3.42%	2.79%
Capital Adequacy (%)					
Tier I	25.52%	19.93%	26.59%	25.20%	24.40%
CAR	27.26%	21.94%	27.94%	26.28%	25.25%

Dupont Analysis					
Y/E March	FY21A	FY22A	FY23E	FY24E	FY25E
NII / Assets	9.19%	9.58%	12.66%	13.63%	13.98%
Other Income / Assets	0.69%	1.16%	1.24%	1.17%	1.14%
Total Income / Assets	9.88%	10.75%	13.90%	14.81%	15.12%
Cost / Assets	4.37%	4.76%	5.34%	5.59%	5.67%
PPP / Assets	5.51%	5.99%	8.55%	9.21%	9.45%
Provisions / Assets	4.38%	5.62%	2.41%	2.98%	2.48%
PBT / Assets	1.13%	0.37%	6.15%	6.24%	6.97%
Tax rate	22.6%	10.9%	24.4%	25.5%	25.5%
ROA	0.87%	0.33%	4.65%	4.65%	5.20%
Leverage	4.7	5.4	4.0	4.3	4.5
ROE	3.6%	1.7%	21.2%	19.4%	22.7%
Source: Company, JM Fina	ancial				

Valuations					
Y/E March	FY21A	FY22A	FY23E	FY24E	FY25E
Shares in Issue	79.0	82.8	100.3	100.3	100.3
EPS (INR)	5.6	2.6	38.6	48.8	68.7
EPS (YoY) (%)	-36.9%	-52.7%	1,367.7%	26.6%	40.7%
P/E (x)	102.3	216.5	14.7	11.7	8.3
BV (INR)	158	162	231	273	331
BV (YoY) (%)	3.8%	2.5%	43.1%	17.9%	21.4%
P/BV (x)	3.61	3.52	2.46	2.09	1.72
DPS (INR)	0.0	0.0	0.0	7.3	10.3
Div. yield (%)	0.0%	0.0%	0.0%	1.3%	1.8%

Source: Company, JM Financial

Source: Company, JM Financial

Fusion Micro Finance

Date	Recommendation	Target Price	% Chg.
6-Jan-23	Buy	550	
13-Feb-23	Buy	570	3.6
21-Mar-23	Buy	570	0.0
23-May-23	Buy	605	6.1
13-Jun-23	Buy	640	5.8
3-Aug-23	Buy	720	12.5
7-Nov-23	Buy	720	0.0



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 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.