# Krsnaa Diagnostics | BUY

### Earnings improvement visible

Krsnaa Diagnostics reported a strong 1Q with margins improving to 25% (JMFe: 24.1%). With major implementation costs in the base, operating leverage will help build on earnings momentum hereon, in our view. Over the last few quarters, the management has lowered their guidance – a step in the right direction. While there seems to be a B2C push, this is a medium-term initiative with no immediate triggers. In our previous note, we highlighted delays with respect to receivables particularly from HP – these have now started flowing in thereby improving OCF. Rajasthan tender resolution has been prolonged and timelines remain elusive; accordingly, we revise our earnings by excluding this tender and believe any future resolution could be an added upside. Krsnaa has lagged its peer primarily due to weak earnings growth and it should catch up this fiscal onwards. We expect Revenue/EBITDA/PAT CAGR of 21%/26%/38% over FY24-27 (on a soft FY24 base). We maintain BUY with a revised Jun'25 TP of INR 880.

- Sustaining revenue momentum with margin recovery: Revenues grew 22%YoY/2%QoQ to INR 1.7bn (in-line) led by ramp up of new tenders. EBITDA margin improved 2.5ppt YoY to 25.1% (JMFe: 24.1%). The mature centres reported 38% margin. As it stands, the change in mix towards pathology could lead to gross margin dilution but ~25% EBITDA margin on a sustainable basis. B2C is at a nascent stage contributing 2-3% to revenues. The company now has a lion's share of contracts in Maharashtra.
- Guidance has been gradually toned down: The management remains firm on its 25% revenue growth guidance over 5 years with sustainable EBITDAM of ~25%. The guidance has been toned down but still remains slightly on the higher side, in our view, if we exclude Rajasthan.
- Decision on Rajasthan awaited; we reset our estimates due to prolonged delays: The matter remains sub-judice and timeline for resolution remain elusive. Accordingly, we have reset our estimates to exclude Rajasthan tender. Any favourable outcome will pose upside risk to our estimates.

### Key financials:

- Revenue/EBITDA/PAT of INR 1702mn/427mn/179mn grew 22%/36%/22% YoY and were -1%/+3%/+5% vs. JMFe;
- Gross margin was at 75% (vs. 78% JMFe) due to higher pathology mix;
- EBITDA margin improved to 25% vs. 22.5% YoY (JMFe: 24.1%);
- PAT was up 22% (despite higher EBITDA growth) due to higher depreciation costs from new centres and higher tax rates;
- Prashant Deshmukh stepped down as CEO due to personal reasons;
- The company has made recoveries and cash balance remains INR 2.4bn;

(INR mn) **Financial Summary** Y/E March FY23A FY24A FY25E FY26E FY27E Net Sales 4.871 6.196 7.541 9.077 10,910 Sales Growth (%) 27.2 20.4 21.7 20.2 FRITDA 1,223 1,443 1,915 2,315 2,891 EBITDA Margin (%) 25.1 23.3 25.4 25.5 26.5 Adjusted Net Profit 621 569 807 1,086 1.492 Diluted EPS (INR) 19.8 18.1 24.9 33.5 46.1 Diluted EPS Growth (%) 37.5 37.4 -9.1 -8.4 34.5 ROIC (%) 12.4 8.2 8.9 10.4 13.6 ROE (%) 8.7 7.3 9.5 11.5 13.9 P/E (x) 34.2 37.4 27.2 20.2 14.7 P/B (x) 2.9 2.6 2.5 2.2 1.9 EV/EBITDA (x) 15 1 15.1 11.4 9.2 7.0 Dividend Yield (%) 0.0 0.0 0.0

Source: Company data, JM Financial. Note: Valuations as of 07/Aug/2024



Jainil Shah jainil.shah@jmfl.com | Tel: (91 22) 66303155

Amey Chalke amey.chalke@jmfl.com | Tel: (91 22) 66303056

Raghav Vedanarayanan

raghav.vedanarayanan@jmfl.com | Tel: (91 22) 62241851

Recommendation and Price Target	
Current Reco.	BUY
Previous Reco.	BUY
Current Price Target (12M)	880
Upside/(Downside)	30.0%
Previous Price Target	970
Change	-9.3%

Key Data – KRSNAA IN	
Current Market Price	INR677
Market cap (bn)	INR21.9/US\$0.3
Free Float	56%
Shares in issue (mn)	31.4
Diluted share (mn)	32.4
3-mon avg daily val (mn)	INR85.1/US\$1.0
52-week range	789/482
Sensex/Nifty	79,468/24,298
INR/US\$	84.0

Price Performan	ice		
%	1M	6M	12M
Absolute	-0.1	-4.8	29.5
Relative*	0.5	-14.5	7.3

\* 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.

- Estimated capex outlay for FY25 is INR 1.7bn

Exhibit 1. Pipeline

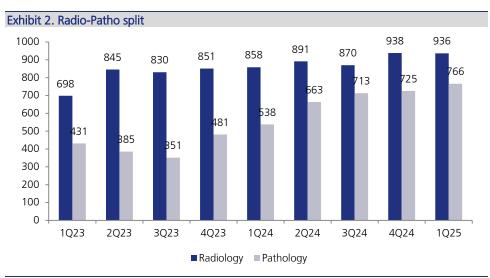
### **Radiology Centres Under Implementation**

### Pathology Centres Under Implementation

	Total Centres	Operational	Under Implementation
Uttar Pradesh	8	5	3
Delhi	1	1	-
DMC	1	-	1
Mira Bhayandar	1	-	1
Rajasthan	1	-	1
Maharashtra	73	32	41
Madhya Pradesh	5	-	5
Total	90	38	52

	Total Centres	Operational	Under Implementation
DMC	1	-	1
BMC CC	600	473	127
Odisha CC	600	-	600
Mira Bhayandar	1	-	1
Assam	10	9	1
Assam CC	1,256	387	869
Total	2,468	869	1,599

Source: Company



Source: Company; Amount in INR mn



Source: Company

Exhibit 4. 1Q25 Result Review							
Krsnaa - P&L (INR mn)	1QFY24A	1QFY25A	% YoY	1QFY25E	% Delta vs JMFe	4QFY24A	% QoQ
Total Revenue	1,396	1,702	22%	1,717	-1%	1,663	2%
COGS	278	429	54%	386	11%	430	0%
Gross Profit	1,118	1,273	14%	1,331	-4%	1,233	3%
% of revenue	80.1%	74.8%	-531 bps	77.5%	-270 bps	74.1%	65 bps
Staff Cost	229	331	44%	275	20%	325	2%
Other expenses	575	516	-10%	642	-20%	471	9%
EBITDA	314	427	36%	414	3%	437	-2%
EBITDA margin (%)	22.5%	25.1%	259 bps	24.1%	96 bps	26.3%	-122 bps
Other Income	42	73	73%	50	46%	43	69%
Finance Cost	20	53		65		73	
Depreciation	157	215		190		181	
PBT	179	232	30%	209	11%	226	3%
Exceptional Items						0	
Tax	32	53		38		39	
Tax Rate (%)	18.2%	22.8%		18.0%		17.2%	
PAT (Reported)	146	179	22%	171	5%	187	-4%
PAT margin (%)	10.5%	10.5%	4 bps	10.0%	56 bps	11.3%	-73 bps
EPS	4.7	5.5	19%	5.5	1%	5.8	-4%
Krsnaa - Cost margins	1QFY24A	1QFY25A	% YoY	1QFY25E	% Delta vs JMFe	4QFY24A	% QoQ

25.2%

19.4%

30.3%

531 bps

301 bps

-1091 bps

19.9%

16.4%

41.2%

Other expenditure/sales

Source: Company, JM Financial

COGS/sales

Staff cost/sales

270 bps

343 bps

-710 bps

25.9%

19.5%

28.3%

-65 bps

-9 bps

22.5%

16.0%

37.4%

## Financial Tables (Consolidated)

Income Statement				(	INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Net Sales	4,871	6,196	7,541	9,077	10,910
Sales Growth	6.9%	27.2%	21.7%	20.4%	20.2%
Other Operating Income	0	0	0	0	C
Total Revenue	4,871	6,196	7,541	9,077	10,910
Cost of Goods Sold/Op. Exp	742	1,410	1,810	2,179	2,564
Personnel Cost	746	1,115	1,342	1,589	1,855
Other Expenses	2,161	2,228	2,474	2,996	3,600
EBITDA	1,223	1,443	1,915	2,315	2,891
EBITDA Margin	25.1%	23.3%	25.4%	25.5%	26.5%
EBITDA Growth	-7.0%	18.0%	32.7%	20.8%	24.9%
Depn. & Amort.	538	745	893	1,008	1,109
EBIT	685	697	1,023	1,306	1,782
Other Income	194	168	241	274	293
Finance Cost	77	165	267	223	210
PBT before Excep. & Forex	802	701	996	1,357	1,865
Excep. & Forex Inc./Loss(-)	0	0	0	0	(
PBT	802	701	996	1,357	1,865
Taxes	181	132	189	271	373
Extraordinary Inc./Loss(-)	0	0	0	0	(
Assoc. Profit/Min. Int.(-)	0	0	0	0	(
Reported Net Profit	621	569	807	1,086	1,492
Adjusted Net Profit	621	569	807	1,086	1,492
Net Margin	12.8%	9.2%	10.7%	12.0%	13.7%
Diluted Share Cap. (mn)	31.4	31.4	32.4	32.4	32.4
Diluted EPS (INR)	19.8	18.1	24.9	33.5	46.1
Diluted EPS Growth	-9.1%	-8.4%	37.5%	34.5%	37.4%
Total Dividend + Tax	0	0	0	0	(
Dividend Per Share (INR)	0.0	0.0	0.0	0.0	0.0

Balance Sheet					(INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Shareholders' Fund	7,387	8,098	8,905	9,991	11,483
Share Capital	157	161	162	162	162
Reserves & Surplus	7,230	7,937	8,743	9,829	11,321
Preference Share Capital	0	0	0	0	0
Minority Interest	0	0	0	0	0
Total Loans	325	1,598	1,598	1,348	1,098
Def. Tax Liab. / Assets (-)	114	148	148	148	148
Total - Equity & Liab.	7,826	9,844	10,651	11,487	12,729
Net Fixed Assets	4,962	6,570	7,377	7,868	7,959
Gross Fixed Assets	6,291	8,805	10,505	12,005	13,205
Intangible Assets	28	24	24	24	24
Less: Depn. & Amort.	1,612	2,358	3,251	4,259	5,368
Capital WIP	255	98	98	98	98
Investments	3	3	3	3	3
Current Assets	4,121	5,130	5,340	5,895	7,297
Inventories	251	358	436	525	630
Sundry Debtors	731	1,763	1,963	2,114	2,541
Cash & Bank Balances	1,088	535	441	725	1,558
Loans & Advances	0	0	0	0	0
Other Current Assets	2,051	2,473	2,501	2,531	2,568
Current Liab. & Prov.	1,259	1,859	2,069	2,279	2,530
Current Liabilities	970	1,047	1,256	1,467	1,718
Provisions & Others	289	812	812	812	812
Net Current Assets	2,861	3,271	3,271	3,615	4,767
Total – Assets	7,826	9,844	10,651	11,487	12,729

Source: Company, JM Financial

Source: Company, JM Financial

Cash Flow Statement				(	NR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Profit before Tax	802	700	996	1,357	1,865
Depn. & Amort.	538	745	893	1,008	1,109
Net Interest Exp. / Inc. (-)	-82	13	26	-51	-83
Inc (-) / Dec in WCap.	-356	-968	-95	-60	-319
Others	-8	-59	0	0	0
Taxes Paid	-131	-188	-189	-271	-373
Operating Cash Flow	763	243	1,631	1,983	2,200
Capex	-1,414	-1,939	-1,700	-1,500	-1,200
Free Cash Flow	-651	-1,695	-69	483	1,000
Inc (-) / Dec in Investments	157	537	0	0	0
Others	168	113	241	274	293
Investing Cash Flow	-1,089	-1,289	-1,459	-1,226	-907
Inc / Dec (-) in Capital	-69	232	0	0	0
Dividend + Tax thereon	-78	-86	0	0	0
Inc / Dec (-) in Loans	-91	902	0	-250	-250
Others	-93	-206	-267	-223	-210
Financing Cash Flow	-331	842	-266	-473	-460
Inc / Dec (-) in Cash	-657	-203	-94	284	833
Opening Cash Balance	884	227	23	-71	213
Closing Cash Balance	1,088	535	441	725	1,558

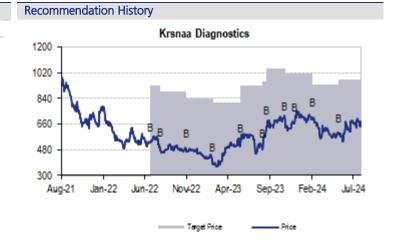
Closing Cash Balance	1,088	535	441	725
Source: Company, JM Financial				

Dupont Analysis					
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Net Margin	12.8%	9.2%	10.7%	12.0%	13.7%
Asset Turnover (x)	0.6	0.7	0.7	0.8	0.9
Leverage Factor (x)	1.1	1.2	1.2	1.2	1.1
RoE	8.7%	7.3%	9.5%	11.5%	13.9%

Key Ratios					
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
BV/Share (INR)	235.3	257.9	274.9	308.5	354.5
ROIC	12.4%	8.2%	8.9%	10.4%	13.6%
ROE	8.7%	7.3%	9.5%	11.5%	13.9%
Net Debt/Equity (x)	-0.3	0.1	0.1	0.0	-0.1
P/E (x)	34.2	37.4	27.2	20.2	14.7
P/B (x)	2.9	2.6	2.5	2.2	1.9
EV/EBITDA (x)	15.1	15.1	11.4	9.2	7.0
EV/Sales (x)	3.8	3.5	2.9	2.3	1.9
Debtor days	55	104	95	85	85
Inventory days	19	21	21	21	21
Creditor days	62	63	67	67	68

Source: Company, JM Financial

History of Recommendation and Target Price				
Date	Recommendation	Target Price	% Chg.	
4-Jul-22	Buy	930		
7-Aug-22	Buy	885	-4.8	
10-Nov-22	Buy	840	-5.1	
15-Feb-23	Buy	810	-3.6	
29-May-23	Buy	930	14.8	
17-Aug-23	Buy	960	3.2	
1-Sep-23	Buy	1,050	9.4	
6-Nov-23	Buy	1,010	-3.8	
11-Dec-23	Buy	1,010	0.0	
13-Feb-24	Buy	935	-7.4	
21-May-24	Buy	970	3.7	



### **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.		

<sup>\*</sup> 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, 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.

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 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 the information contained herein.