India | Diversified Financials

CMSINFO

3QFY24: Steady Growth at Tad Lower Margins

For 3QFY24, CMS Info reported profit of Rs871mn, up 15% YoY, with adjusted profit growth (ex-Esop cost) at a healthy 22%. Revenue growth of 19% was led by managed services, whereas growth in cash management business has moderated from 16% YoY last year to 11% now. This has diluted core margins a bit. We trim estimates & see 16% Cagr in profit over FY24-26. Buy stays as we see steady growth and cashflows over next 2-3yrs; ramp-up of RMS segment is encouraging.

Healthy top-line growth and core profit growth; ESOP drags. For 3Q, CMS reported 19% YoY growth in revenues led by 38% growth in managed services and 11% in cash business. Growth in managed services segment was aided by new contract wins and it has won remote monitoring systems for additional 2k sites. In cash logistics business, growth was aided by 10% expansion of touch-points and rise in compliance levels at ATMs (85% now), although revenue growth has moderated from last year's levels. This led to core Ebitda growth of 16% YoY (excluding non-cash ESOPs) with margins at 28%. However, reported Ebitda was 7% lower than adjusted Ebitda, as CMS amortised cost of ESOPs, which will also stay into 2H & mildly into FY25-26 as well. Profit grew by 15% YoY, but ex of ESOP growth was healthy at 22% YoY.

Steady growth ahead, at tad lower margins. Management was confident of growth outlook across segments. ATM segment has strong pipeline and rollout is likely to pick-up. Yet, management is focussed on managing ATMs that fully comply with new norms, which may have some impact on reported growth. Growth in managed services is likely to stay stronger contributing 40% of revenues with growth in AloT Remote Monitoring and automation segments. However, margins in the managed services segments tends to be slightly lower and hence we trim our Ebitda growth forecasts with tad lower margins and slightly higher Esop costs.

Trim estimates; Buy stays. A pick-up in ATM rollout & outsourcing as well as ramp-up of remote monitoring system should drive growth. We trim estimates by 2-3% and expect CMS to deliver 16% CAGR in profits over FY24-26, aided by 16% revenue growth. Valuations are attractive, and we see scope for re-rating aided by healthy growth as well as cashflows. We maintain BUY call with target price of Rs460 (earlier Rs470) based on 15x Mar-26 PE & rate CMS as Buy.

Exhibit 1 - CMS Info Systems: Key Metrics

Key Metrics	FY22	FY23	FY24E	FY25E	FY26E
EBITDA Margin (%)	25%	28%	27%	27%	27%
Net Profit (Rsm)	2,240	2,972	3,480	4,066	4,671
PAT Growth (% YoY)	33%	33%	17%	17%	15%
ROE (%)	20%	21%	21%	21%	21%
P/S	14.9	11.2	9.9	8.6	7.3
P/E	26	20	17	15	13
P/BV	4.7	3.8	3.3	2.9	2.5

Source: Company Data, Jefferies

(FY Mar)	2023A	2024E	2025E	2026E
Net Profit	2,972.4	3,480.0	4,066.0	4,671.0
BV/Share	101.20	117.15	135.58	156.35
P/B	3.8x	3.3x	2.9x	2.5x
DPS	4.75	5.46	6.56	7.87

Equity Research January 26, 2024

TARGET | ESTIMATE CHANGE

RATING	BUY
PRICE	INR389.55^
PRICE TARGET % TO PT	↓INR460 (INR470) +18%
52W HIGH-LOW	INR421.05 - INR261.10
FLOAT (%) ADV MM (USD)	72.1% 244.50
MARKET CAP	INR60.1B \$723.6M
TICKER	CMSINFO IN
^Prior trading day's closin	g price unless otherwise

noted.

	CHA	NGE TO) JEFe	JEF v	s CONS		
	2	2024 2025		2024	2025		
REV		NA	NA	NA	NA		
EPS		<1% -2%		NA	NA		
2024 (INR)	Q1	Q2	Q3	Q4	FY		
EDS	_	_	_	_	A22 54		

El O	122.04
PREV	22.34

Prakhar Sharma * | Equity Analyst 91 22 4224 6129 | prakhar.sharma@jefferies.com Vinayak Agarwal * | Equity Associate

+91 22 4224 6178 | vagarwal2@jefferies.com

Please see analyst certifications, important disclosure information, and information regarding the status of non-US analysts on pages 8 - 13 of this report * Jefferies India Private Limited

The Long View: CMSINFO

Investment Thesis / Where We Differ

- CMS can gain market share as it leverages its wider reach, operational edge, stronger balance sheet, partnerships with leading banks and expansion into new verticals like remote monitoring systems and brownlabel ATMs (BLA).
- Like global markets in cash mgt., India can also consolidate further, and CMS should be a beneficiary of this phenomenon.

Risk/Reward - 12 Month View



Base Case, INR460, +18%

- Top line CAGR of 16% over FY24-26
- PAT CAGR of 16% over FY24-26
- Average ROE of 21%
- Price Target of Rs460 based on 15x Mar-26
 P/E

Upside Scenario, INR530, +36%

- Top line CAGR of 18% over FY24-26
- PAT CAGR of 18% over FY24-26
- Average ROE of 22%
- Price Target of Rs530 based on 18x Mar-26
 P/E

Downside Scenario, INR350, -10%

- Top line CAGR of 14% over FY24-26
- PAT CAGR of 14% over FY24-26
- Average ROE of 19%
- Price Target of Rs350 based on 12x Mar-26 P/E

Sustainability Matters

Top Material Issue(s): 1) Responsible Business 2) Customer Privacy & Data Security 3) Carbon Emissions

Company Target(s): 1) Reduce its carbon footprint through the efficient use of its fleet 2) Increasing diversity and inclusion in its workforce.

Qs to Mgmt: 1) How does the Company plan to reduce its carbon emissions given the high usage of vehicles in its business? Do you plan to include EVs in your fleet? 2) What steps is the company taking to ensure strong data security? 3) What steps is the company taking to promote diversity at different levels? What are initiatives towards employee training/ reskilling?

Catalysts

- Faster gain of market share through organic/ inorganic routes.
- Profitability can expand further through routeoptimisation and upgrade of ATM-services.
- Key risks can arise from rapid digitsation of retail transactions and any adverse change in bank-partnership terms.

Exhibit 2 - CMS Info Systems: 3QFY24 Result Summary

CMS Info Systems (Rsmn)	3QFY23	2QFY24	3QFY24	ΥοΥ	QoQ
Cash management services	3,383	3,605	3,750	11%	4%
Managed services	1,565	1,821	2,126	36%	17%
Others	124	239	200	62%	-17%
Inter-segmental	(188)	(229)	(252)	34%	10%
Revenue from operations	4,883	5,437	5,823	19%	7%
Employee benefits expenses	694	850	861	24%	1%
Service and security charges	975	1,087	1,207	24%	11%
Vehicle maintenance, hire and fuel cost	358	413	401	12%	-3%
Other expenses	1,501	1,632	1,846	23%	13%
Total Expenses	3,528	3,981	4,315	22%	8%
EBITDA	1,355	1,456	1,508	11%	4%
EBITDA Margin (%)	27.7%	26.8%	25.9%	-185 bps	-89 bps
Depreciation and amortization expense	324	364	377	16%	4%
Other Income	48	83	78	64%	-6%
Finance costs	46	41	39	-15%	-3%
Profit before tax	1,032	1,135	1,170	13%	3%
Total tax expense	274	292	299	9%	2%
Profit after tax	758	844	871	15%	3%
PAT Margin	15.4%	15.3%	14.8%	-61 bps	-52 bps
Other Metrics					
Segmental EBIT margin (%)					
Cash management services	25.2%	26.4%	26.0%	77 bps	-40 bps
Managed services	20.0%	19.9%	17.7%	-236 bps	-218 bps

Source: Company Data, Jefferies

Exhibit 3 - Adjusted for ESOP cost, PAT (adj.) grew 22% YoY in 3QFY24

Particulars (Rsmn)	3QFY23	4QFY23	FY23	1QFY24	2QFY24	3QFY24	ΥοΥ	QoQ
Total Revenue	4,883	5,014	19,147	5,116	5,437	5,823	19%	7%
Adj. EBITDA	1,412	1,451	5,506	1,515	1,573	1,630	15%	4%
PBT	1,032	1,078	4,010	1,137	1,135	1,170	13%	3%
Adj. PBT	1,069	1,087	4,103	1,171	1,241	1,288	20%	4%
Adj. PAT	786	806	3,042	868	923	960	22%	4%
PAT	758	799	2,972	843	844	871	15%	3%
Adj. EBITDA%	28.9%	28.9%	28.8%	29.6%	28.9%	28.0%		
Adj. PBT%	21.9%	21.7%	21.4%	22.9%	22.8%	22.1%		
Adj. PAT%	16.1%	16.1%	15.9%	17.0%	17.0%	16.5%		

Source: Company Data, Jefferies

Exhibit 4 - Revenue grew 19% YoY, aided by growth in managed services and card segment



Source: Company Data, Jefferies

Exhibit 5 - Share of CMS in overall revenue has declined 400bps YoY to 64%



share of lower margin segment



Exhibit 6 - EBITDA margin contracted by 180bps on a YoY basis due to higher

Exhibit 7 - Segmental margins rose tad bit in CMS, while it fell in the Managed Services segment



Source: Company Data, Jefferies

Exhibit 8 - Healthy earnings growth of 15% YoY, led by 19% revenue growth at tad lower margins



Source: Company Data, Jefferies

133K in 3QFY24



Source: Company Data, Jefferies

Exhibit 9 - Total business touchpoints (ATM + retail) expanded by c.10% YoY to Exhibit 10 - CMS has 97% coverage in India, with presence across rural geographies





Exhibit 11 - CMS retains #1 standing across different segments of cash logistics business

Source: Company Data, Jefferies

As per latest available data

Exhibit 12 - P/E history of CMS Info: Should continue to re-rate, led by steady growth & cashflows



Source: Company Data, FactSet, Jefferies

Exhibit 13 - CMS Info Systems: Profit & Loss Statement

Profit & Loss (Rsm)	FY22	FY23	FY24E	FY25E	FY26E
Cash Management Services	11,108	13,263	14,761	16,483	18,779
Managed Services	4,896	6,111	7,747	9,377	11,232
Cards	477	469	844	1,013	1,114
Inter-Segment	584	696	864	994	1,120
Revenue from operations	15,897	19,147	22,488	25,878	30,004
Total expenses	11,899	13,770	16,432	18,876	21,802
Ebitda	3,998	5,377	6,056	7,003	8,203
Ebitda margin (%)	25.1%	28.1%	26.9%	27.1%	27.3%
Depreciation and amortisation expense	918	1,318	1,474	1,725	2,127
Operating Profit	3,079	4,059	4,582	5,278	6,076
Other income	79	147	267	342	368
EBIT	3,158	4,206	4,848	5,620	6,444
Finance costs	144	196	153	134	142
Profit before tax	3,014	4,010	4,695	5,486	6,302
Total tax expense	774	1,038	1,215	1,420	1,631
Profit after tax	2,240	2,972	3,480	4,066	4,671
PAT margin (%)	14.0%	15.4%	15.3%	15.5%	15.4%
PAT growth (% YoY)	33%	33%	17%	17%	15%

Source: Company Data, Jefferies

Exhibit 14 - CMS Info Systems: Balance Sheet

Balance Sheet (Rsm)	FY22	FY23	FY24E	FY25E	FY26E
Equity share capital	1,532	1,544	1,544	1,544	1,544
Other equity	11,030	14,081	16,544	19,390	22,596
Total equity	12,561	15,625	18,088	20,934	24,140
Non-current liabilities	1,678	1,745	1,326	1,275	1,725
Current liabilities	4,318	3,642	4,603	5,136	5,856
EQUITY AND LIABILITIES	18,557	21,012	24,017	27,344	31,722
Property, plant and equipment	3,470	4,697	4,050	4,012	3,941
Right-of-use assets	1,800	1,826	1,315	1,241	1,763
Goodwill	2,061	2,061	2,061	2,061	2,061
Non-current assets	9,012	9,893	8,987	9,100	9,807
Investments	1,235	2,792	3,909	5,082	6,607
Cash and cash equivalents	643	963	4,659	5,881	6,402
Current assets	9,545	11,120	15,030	18,244	21,914
ASSETS	18,557	21,012	24,017	27,344	31,722

Source: Company Data, Jefferies

Exhibit 15 - CMS Info Systems: Cash Flow Statement

Cash Flow Statement (Rsm)	FY22	FY23	FY24E	FY25E	FY26E
Profit before tax	3,014	4,010	4,695	5,486	6,302
Adjustments to reconcile PBT to net cash flow	1,892	2,460	1,488	1,667	2,075
Movement in working capital	(1,366)	1,186	241	(97)	(894)
Direct taxes paid (net of refunds)	(976)	(1,085)	(1,270)	(1,484)	(1,705)
Net cash flow from operating activities (CFO)	2,565	6,571	5,153	5,571	5,778
Purchase of PP&E and Intangibles	(2,840)	(1,933)	(1,233)	(1,573)	(1,865)
Investment in mutual funds	(8,305)	(11,578)	(1,117)	(1,173)	(1,525)
Investment in deposits with banks	(988)	(1,071)	-	-	-
Net cash flow from investing activities (CFI)	(3,262)	(3,226)	(2,350)	(2,746)	(3,390)
Dividend paid	(226)	(154)	(1,017)	(1,220)	(1,464)
Finance costs	(0)	-	-	-	-
Finance costs on lease liability	(144)	(184)	(153)	(134)	(142)
Payment of principal portion of lease liabilities	(262)	(341)	(283)	(248)	(262)
Net cash flow from financing activities (CFF)	6	(679)	(1,453)	(1,603)	(1,867)
Net (de annea) (in annea in annh	(602)	2.000	1 250	1 222	521
Net (decrease) / increase in cash	(692)	2,666	1,350	1,222	521
Cash and cash equivalents at the beginning	1,335	643	3,309	4,659	5,881
Cash and cash equivalents at the end	643	3,309	4,659	5,881	6,402

Exhibit 16 - CMS Info Systems: Key Ratios

Key Ratios	FY22	FY23	FY24E	FY25E	FY26E
EPS (Rs)	15.1	19.3	22.5	26.3	30.3
EPS Growth (% YoY)	32%	28%	17%	17%	15%
EBITDA (Rsm)	3,998	5,377	6,056	7,003	8,203
EBITDA Margin (%)	25%	28%	27%	27%	27%
EBITDA growth (% YoY)	36%	35%	13%	16%	17%
Net Profit (Rsm)	2,240	2,972	3,480	4,066	4,671
PAT Margin (%)	14.0%	15.4%	15.3%	15.5%	15.4%
PAT Growth (% YoY)	33%	33%	17%	17%	15%
ROA (%)	13%	15%	15%	16%	16%
ROE (%)	20%	21%	21%	21%	21%
BVPS	82	101	117	136	156
BVPS Growth (% YoY)	32%	28%	17%	17%	15%
DPS	1.0	4.8	5.5	6.6	7.9
Dividend payout (%)	7%	25%	24%	25%	26%
Dividend yield (%)	0.3%	1.2%	1.4%	1.7%	2.0%
P/S	14.9	11.2	9.9	8.6	7.3
P/E	25.8	20.2	17.3	14.8	12.9
P/BV	4.7	3.8	3.3	2.9	2.5
Mcap/ EBITDA	15.0	11.2	9.9	8.6	7.3

Source: Company Data, Jefferies Exhibit 17 - CMS Info Systems: Price Target Computation

CMS Info Systems Target price (Mar-26e)				
EPS (Rs)	30			
P/E (x)	15			
Target price (Rs)	458			
Target price rounded off (Rs)	460			
Current price (Rs)	390			
Upside (%)	18%			

Company Description

CMSINFO

CMS Info Systems Ltd is one of India's largest cash management company based on number of ATM points and number of retail pick-up points, and offers its customers a wide range of tailored cash management and managed services solutions, including ATM network management, retail management and managed services. CMS manages the entire flow and management of money for the business points that it serves every day - from when the RBI initially deposits cash in the bank's currency chests, to when cash is deposited back in banks after going through the various stages of the cash cycle.

Company Valuation/Risks

CMSINFO

We rate CMS Info Systems as Buy with a price target of Rs460 based on 15x Mar-26 PE. M&A led consolidation and diversification into newer/ non-cash driven businesses can drive rerating. Key risks can arise from rapid digitisation of retail transactions and any adverse change in bankpartnership terms.

Analyst Certification:

I, Prakhar Sharma, certify that all of the views expressed in this research report accurately reflect my personal views about the subject security(ies) and subject company(ies). I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed in this research report.

I, Vinayak Agarwal, certify that all of the views expressed in this research report accurately reflect my personal views about the subject security(ies) and subject company(ies). I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed in this research report.

Registration of non-US analysts: Prakhar Sharma is employed by Jefferies India Private Limited, a non-US affiliate of Jefferies LLC and is not registered/ qualified as a research analyst with FINRA. This analyst(s) may not be an associated person of Jefferies LLC, a FINRA member firm, and therefore may not be subject to the FINRA Rule 2241 and restrictions on communications with a subject company, public appearances and trading securities held by a research analyst.

Registration of non-US analysts: Vinayak Agarwal is employed by Jefferies India Private Limited, a non-US affiliate of Jefferies LLC and is not registered/ qualified as a research analyst with FINRA. This analyst(s) may not be an associated person of Jefferies LLC, a FINRA member firm, and therefore may not be subject to the FINRA Rule 2241 and restrictions on communications with a subject company, public appearances and trading securities held by a research analyst.

As is the case with all Jefferies employees, the analyst(s) responsible for the coverage of the financial instruments discussed in this report receives compensation based in part on the overall performance of the firm, including investment banking income. We seek to update our research as appropriate, but various regulations may prevent us from doing so. Aside from certain industry reports published on a periodic basis, the large majority of reports are published at irregular intervals as appropriate in the analyst's judgement.

Investment Recommendation Record

(Article 3(1)e and Article 7 of MAR)Recommendation PublishedJanuary 25, 2024 , 14:39 ET.Recommendation DistributedJanuary 25, 2024 , 14:39 ET.

Explanation of Jefferies Ratings

Buy - Describes securities that we expect to provide a total return (price appreciation plus yield) of 15% or more within a 12-month period.

Hold - Describes securities that we expect to provide a total return (price appreciation plus yield) of plus 15% or minus 10% within a 12-month period. Underperform - Describes securities that we expect to provide a total return (price appreciation plus yield) of minus 10% or less within a 12-month period. The expected total return (price appreciation plus yield) for Buy rated securities with an average security price consistently below \$10 is 20% or more within a 12-month period as these companies are typically more volatile than the overall stock market. For Hold rated securities with an average security price consistently below \$10, the expected total return (price appreciation plus yield) is plus or minus 20% within a 12-month period. For Underperform rated securities with an average security price consistently below \$10, the expected total return (price appreciation plus yield) is minus 20% or less within a 12-month period.

NR - The investment rating and price target have been temporarily suspended. Such suspensions are in compliance with applicable regulations and/or Jefferies policies.

CS - Coverage Suspended. Jefferies has suspended coverage of this company.

NC - Not covered. Jefferies does not cover this company.

Restricted - Describes issuers where, in conjunction with Jefferies engagement in certain transactions, company policy or applicable securities regulations prohibit certain types of communications, including investment recommendations.

This report is intended for Jefferies clients only. Unauthorized distribution is prohibited.

Monitor - Describes securities whose company fundamentals and financials are being monitored, and for which no financial projections or opinions on the investment merits of the company are provided.

Valuation Methodology

Jefferies' methodology for assigning ratings may include the following: market capitalization, maturity, growth/value, volatility and expected total return over the next 12 months. The price targets are based on several methodologies, which may include, but are not restricted to, analyses of market risk, growth rate, revenue stream, discounted cash flow (DCF), EBITDA, EPS, cash flow (CF), free cash flow (FCF), EV/EBITDA, P/E, PE/growth, P/CF, P/FCF, premium (discount)/average group EV/EBITDA, premium (discount)/average group P/E, sum of the parts, net asset value, dividend returns, and return on equity (ROE) over the next 12 months.

Jefferies Franchise Picks

Jefferies Franchise Picks include stock selections from among the best stock ideas from our equity analysts over a 12 month period. Stock selection is based on fundamental analysis and may take into account other factors such as analyst conviction, differentiated analysis, a favorable risk/reward ratio and investment themes that Jefferies analysts are recommending. Jefferies Franchise Picks will include only Buy rated stocks and the number can vary depending on analyst recommendations for inclusion. Stocks will be added as new opportunities arise and removed when the reason for inclusion changes, the stock has met its desired return, if it is no longer rated Buy and/or if it triggers a stop loss. Stocks having 120 day volatility in the bottom quartile of S&P stocks will continue to have a 15% stop loss, and the remainder will have a 20% stop. Franchise Picks are not intended to represent a recommended portfolio of stocks and is not sector based, but we may note where we believe a Pick falls within an investment style such as growth or value.

Risks which may impede the achievement of our Price Target

This report was prepared for general circulation and does not provide investment recommendations specific to individual investors. As such, the financial instruments discussed in this report may not be suitable for all investors and investors must make their own investment decisions based upon their specific investment objectives and financial situation utilizing their own financial advisors as they deem necessary. Past performance of the financial instruments recommended in this report should not be taken as an indication or guarantee of future results. The price, value of, and income from, any of the financial instruments mentioned in this report can rise as well as fall and may be affected by changes in economic, financial and political factors. If a financial instrument is denominated in a currency other than the investor's home currency, a change in exchange rates may adversely affect the price of, value of, or income derived from the financial instrument described in this report. In addition, investors in securities such as ADRs, whose values are affected by the currency of the underlying security, effectively assume currency risk.

Other Companies Mentioned in This Report





Notes: Each box in the Rating and Price Target History chart above represents actions over the past three years in which an analyst initiated on a company, made a change to a rating or price target of a company or discontinued coverage of a company. Legend:

I: Initiating Coverage

D: Dropped Coverage

B: Buy

H: Hold

UP: Underperform

Distribution of Ratings			IB Serv./Past12 Mos.		JIL Mkt Serv./Past12 Mos.	
	Count	Percent	Count	Percent	Count	Percent
BUY	1948	58.34%	338	17.35%	111	5.70%
HOLD	1226	36.72%	117	9.54%	20	1.63%
UNDERPERFORM	165	4.94%	5	3.03%	3	1.82%

Other important disclosures

Other Important Disclosures

companies:

Jefferies does business and seeks to do business with companies covered in its research reports, and expects to receive or intends to seek compensation for investment banking services among other activities from such companies. As a result, investors should be aware that Jefferies may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Jefferies Equity Research refers to research reports produced by analysts employed by one of the following Jefferies Group LLC ("Jefferies") group

United States: Jefferies LLC which is an SEC registered broker-dealer and a member of FINRA (and distributed by Jefferies Research Services, LLC, an SEC registered Investment Adviser, to clients paying separately for such research).

Canada: You are advised that Jefferies LLC operates as a dealer in your jurisdiction under an exemption from the dealer registration requirements contained in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations and, as such, Jefferies LLC is not required to be and is not a registered dealer or adviser in your jurisdiction. You are advised that Jefferies LLC prepared this research report and it was not prepared in accordance with Canadian disclosure requirements relating to research reports in Canada.

United Kingdom: Jefferies International Limited, which is authorized and regulated by the Financial Conduct Authority; registered in England and Wales No. 1978621; registered office: 100 Bishopsgate, London EC2N 4JL; telephone +44 (0)20 7029 8000; facsimile +44 (0)20 7029 8010.

Germany: Jefferies GmbH, which is authorized and regulated by the Bundesanstalt fuer Finanzdienstleistungsaufsicht, BaFin-ID: 10150151; registered office: Bockenheimer Landstr. 24, 60232 Frankfurt a.M., Germany; telephone: +49 (0) 69 719 1870

Hong Kong: Jefferies Hong Kong Limited, which is licensed by the Securities and Futures Commission of Hong Kong with CE number ATS546; located at Level 26, Two International Finance Center, 8 Finance Street, Central, Hong Kong; telephone: +852 3743 8000.

Singapore: Jefferies Singapore Limited, which is licensed by the Monetary Authority of Singapore; located at 80 Raffles Place #15-20, UOB Plaza 2, Singapore 048624, telephone: +65 6551 3950.

Japan: Jefferies (Japan) Limited, Tokyo Branch, which is a securities company registered by the Financial Services Agency of Japan and is a member of the Japan Securities Dealers Association; located at Tokyo Midtown Hibiya 30F Hibiya Mitsui Tower, 1-1-2 Yurakucho, Chiyoda-ku, Tokyo 100-0006; telephone +813 5251 6100; facsimile +813 5251 6101.

India: Jefferies India Private Limited (CIN - U74140MH2007PTC200509), licensed by the Securities and Exchange Board of India for: Stock Broker (NSE & BSE) INZ000243033, Research Analyst INH00000701 and Merchant Banker INM000011443, located at Level 16, Express Towers, Nariman Point, Mumbai 400 021, India; Tel +91 22 4356 6000. Compliance Officer name: Sanjay Pai, Tel No: +91 22 42246150, Email: spai@jefferies.com, Grievance officer name: Sanjay Pai, Tel No: +91 22 42246150, Email: spai@jefferies.com, Grievance officer name: Sanjay Pai, Tel No: +91 22 42246150, Email: spai@jefferies.com, Grievance officer name: Sanjay Pai, Tel No: +91 22 42246150, Email: spai@jefferies.com, Grievance officer name: Sanjay Pai, Tel No: +91 22 42246150, Email: spai@jefferies.com, Grievance officer name: Sanjay Pai, Tel No: +91 22 42246150, Email: spai@jefferies.com, Grievance officer name: Sanjay Pai, Tel No: +91 22 42246150, Email: spai@jefferies.com, Grievance officer name: Sanjay Pai, Tel No: +91 22 42246150, Email: spai@jefferies.com, Grievance officer name: Sanjay Pai, Tel No: +91 22 42246150, Email: spai@jefferies.com, Begistration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Australia: Jefferies (Australia) Pty Limited (ACN 623 059 898), which holds an Australian financial services license (AFSL 504712) and is located at Level 22, 60 Martin Place, Sydney NSW 2000; telephone +61 2 9364 2800.

Dubai: Jefferies International Limited, Dubai branch, which is licensed by the Dubai Financial Services Authority (DFSA Reference Number F007325); registered office Unit L31-06, L31-07, Level 31, ICD Brookfield Pace, DIFC, PO Box 121208, Dubai, UAE.

This report was prepared by personnel who are associated with Jefferies (Jefferies International Limited, Jefferies GmbH, Jefferies Hong Kong Limited, Jefferies Singapore Limited, Jefferies (Japan) Limited, Tokyo Branch, Jefferies India Private Limited), and Jefferies (Australia) Pty Ltd; or by personnel who are associated with both Jefferies LLC and Jefferies Research Services LLC ("JRS"). Jefferies LLC is a US registered broker-dealer and is affiliated with JRS, which is a US registered investment adviser. JRS does not create tailored or personalized research and all research provided by JRS is impersonal. If you are paying separately for this research, it is being provided to you by JRS. Otherwise, it is being provided by Jefferies LLC. Jefferies LLC, JRS, and their affiliates are collectively referred to below as "Jefferies". Jefferies may seek to do business with companies covered in this research report. As a result, investors should be aware that Jefferies may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only one of many factors in making their investment decisions. Specific conflict of interest and other disclosures that are required by FINRA and other rules are set forth in this disclosure section.

* * *

If you are receiving this report from a non-US Jefferies entity, please note the following: Unless prohibited by the provisions of Regulation S of the U.S. Securities Act of 1933, as amended, this material is distributed in the United States by Jefferies LLC, which accepts responsibility for its contents in accordance with the provisions of Rule 15a-6 under the US Securities Exchange Act of 1934, as amended. Transactions by or on behalf of any US person may only be effected through Jefferies LLC. In the United Kingdom and European Economic Area this report is issued and/or approved for distribution by Jefferies International Limited ("JIL") and/or Jefferies GmbH and is intended for use only by persons who have, or have been assessed as having, suitable professional experience and expertise, or by persons to whom it can be otherwise lawfully distributed. Jefferies LLC, JIL, Jefferies GmbH and their affiliates, may make a market or provide liquidity in the financial instruments referred to in this report; and where they do make a market, such activity is disclosed specifically in this report under "company specific disclosures".

For Canadian investors, this material is intended for use only by professional or institutional investors. None of the investments or investment services mentioned or described herein is available to other persons or to anyone in Canada who is not a "permitted client" as defined by National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. This research report is a general discussion of the merits and risks of a security or securities only, and is not in any way meant to be tailored to the needs and circumstances of any recipient. The information contained herein is not, and under no circumstances is to be construed as, an offer to sell securities described herein, or solicitation of an offer to buy securities described herein, in Canada or any province or territory thereof. 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, if applicable, and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the dealer registration requirement in the relevant province or territory of Canada in which such offer or sale is made. The information contained herein is under no circumstances to be construed as investment advice in any province or territory of Canada and is not tailored to the needs of the recipient. To the extent that the information contained herein references securities of an issuer

incorporated, formed or created under the laws of Canada or a province or territory of Canada, any trades in such securities must be conducted through a dealer registered in Canada. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed judgment upon this research report, the information contained herein or the merits of the securities described herein, and any representation to the contrary is an offence. In Singapore, Jefferies Singapore Limited ("JSL") is regulated by the Monetary Authority of Singapore. For investors in the Republic of Singapore, where this material is prepared and issued by a Jefferies affiliate outside of Singapore, it is distributed by JSL pursuant to Regulation 32C of the Financial Advisers Regulations. The material contained in this document is intended solely for accredited, expert or institutional investors, as defined under the Securities and Futures Act 2001 (Singapore). If there are any matters arising from, or in connection with this material, please contact JSL, located at 80 Raffles Place #15-20, UOB Plaza 2, Singapore 048624, telephone: +65 6551 3950. In Dubai, this material is issued and distributed by Jefferies International Limited, Dubai branch, and is intended solely for Professional Clients and should not be distributed to, or relied upon by, Retail Clients (as defined by DFSA). A distribution of ratings in percentage terms in each sector covered is available upon request from your sales representative. In Japan, this material is issued and distributed by Jefferies (Japan) Limited to institutional investors only. In Hong Kong, this report is issued and approved by Jefferies Hong Kong Limited and is intended for use only by professional investors as defined in the Hong Kong Securities and Futures Ordinance and its subsidiary legislation. In the Republic of China (Taiwan), this report should not be distributed. The research in relation to this report is conducted outside the People's Republic of China ("PRC"). This report does not constitute an offer to sell or the solicitation of an offer to buy any securities in the PRC. PRC investors shall have the relevant qualifications to invest in such securities and shall be responsible for obtaining all relevant approvals, licenses, verifications and/or registrations from the relevant governmental authorities themselves. In India, this report is made available by Jefferies India Private Limited. In Australia, this report is issued and/or approved for distribution by, or on behalf of, Jefferies (Australia) Securities Pty Ltd (ACN 610 977 074), which holds an Australian financial services license (AFSL 487263). It is directed solely at wholesale clients within the meaning of the Corporations Act 2001 (Cth) of Australia (the "Corporations Act"), in connection with their consideration of any investment or investment service that is the subject of this report. This report may contain general financial product advice. Where this report refers to a particular financial product, you should obtain a copy of the relevant product disclosure statement or offer document before making any decision in relation to the product. Recipients of this document in any other jurisdictions should inform themselves about and observe any applicable legal requirements in relation to the receipt of this document.

This report is not an offer or solicitation of an offer to buy or sell any security or derivative instrument, or to make any investment. Any opinion or estimate constitutes the preparer's best judgment as of the date of preparation, and is subject to change without notice. Jefferies assumes no obligation to maintain or update this report based on subsequent information and events. Jefferies, and their respective officers, directors, and employees, may have long or short positions in, or may buy or sell any of the securities, derivative instruments or other investments mentioned or described herein, either as agent or as principal for their own account. This material is provided solely for informational purposes and is not tailored to any recipient, and is not based on, and does not take into account, the particular investment objectives, portfolio holdings, strategy, financial situation, or needs of any recipient. As such, any advice or recommendation in this report may not be suitable for a particular recipient of this report should not make any investment decision without first considering whether any advice or recommendation in this report is suitable for the recipient based on the recipient's particular circumstances and, if appropriate or otherwise needed, seeking professional advice, including tax advice. Jefferies does not perform any suitability or other analysis to check whether an investment decision made by the recipient based on this report is consistent with a recipient's investment objectives, portfolio holdings, strategy, financial situation, or needs.

By providing this report, neither JRS nor any other Jefferies entity accepts any authority, discretion, or control over the management of the recipient's assets. Any action taken by the recipient of this report, based on the information in the report, is at the recipient's sole judgment and risk. The recipient must perform his or her own independent review of any prospective investment. If the recipient uses the services of Jefferies LLC (or other affiliated broker-dealers), in connection with a purchase or sale of a security that is a subject of these materials, such broker-dealer may act as principal for its own accounts or as agent for another person. Only JRS is registered with the SEC as an investment adviser; and therefore neither Jefferies LLC nor any other Jefferies affiliate has any fiduciary duty in connection with distribution of these reports.

The price and value of the investments referred to herein and the income from them may fluctuate. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Fluctuations in exchange rates could have adverse effects on the value or price of, or income derived from, certain investments.

This report may contain forward looking statements that may be affected by inaccurate assumptions or by known or unknown risks, uncertainties, and other important factors. As a result, the actual results, events, performance or achievements of the financial product may be materially different from those expressed or implied in such statements.

This report has been prepared independently of any issuer of securities mentioned herein and not as agent of any issuer of securities. No Equity Research personnel have authority whatsoever to make any representations or warranty on behalf of the issuer(s). Any comments or statements made herein are those of the Jefferies entity producing this report and may differ from the views of other Jefferies entities.

This report may contain information obtained from third parties, including ratings from credit ratings agencies such as Standard & Poor's. Reproduction and distribution of third party content in any form is prohibited except with the prior written permission of the related third party. Jefferies does not guarantee the accuracy, completeness, timeliness or availability of any information, including ratings, and is not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such content. Third-party content providers give no express or implied warranties, including, but not limited to, any warranties of merchantability or fitness for a particular purpose or use. Neither Jefferies nor any third-party content provider shall be liable for any direct, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use of their content, including ratings. Credit ratings are statements of opinions and are not statements of fact or recommendations to purchase, hold or sell securities. They do not address the suitability of securities for investment purposes, and should not be relied on as investment advice.

Jefferies research reports are disseminated and available electronically, and, in some cases, also in printed form. Electronic research is simultaneously made available to all clients. This report or any portion hereof may not be copied, reprinted, sold, or redistributed or disclosed by the recipient or any third party, by content scraping or extraction, automated processing, or any other form or means, without the prior written consent of Jefferies. Any unauthorized use is prohibited. Neither Jefferies nor any of its respective directors, officers or employees, is responsible for guaranteeing the financial

This report is intended for Jefferies clients only. Unauthorized distribution is prohibited.

success of any investment, or accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this report or its contents. Nothing herein shall be construed to waive any liability Jefferies has under applicable U.S. federal or state securities laws. For Important Disclosure information relating to JRS, please see https://adviserinfo.sec.gov/IAPD/Content/Common/crd_iapd_Brochure.aspx?

BRCHR_VRSN_ID=483878 and https://adviserinfo.sec.gov/Firm/292142 or visit our website at https://javatar.bluematrix.com/sellside/Disclosures.action, or call 1.888.JEFFERIES.

© 2024 Jefferies

Please see important disclosure information on pages 8 - 13 of this report. This report is intended for Jefferies clients only. Unauthorized distribution is prohibited.