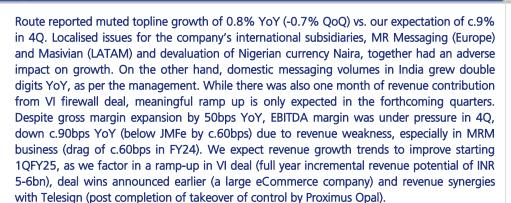
# Route Mobile | BUY

# Weak quarter due to multiple one-offs



- Operating performance was subdued in 4Q: Route's 4Q revenue grew only 0.8% YoY (-0.7% QoQ) to INR 10.17bn, below JMFe/Cons. by 7.3%/3.6%. Billable transactions grew 24.2% YoY (+9% QoQ) to 34bn, driven by NLD volumes while realisation was affected by lower ILD volumes. Gross margin improved 53bps/61bps YoY/QoQ to 21.8%, a beat on JMFe of 21.2%. EBITDA margin stood at 12.0% (-87bps YoY, -24bps QoQ), below JMFe/Cons. by c.60/30bps. The miss on profitability was mainly due to lower-than-expected operating leverage. As a result, EBITDA declined by 6% YoY (-2.7% QoQ) to INR 1.22bn, a miss on JMFe/Cons. by 11.5%/6.1% respectively. Consequently, despite lower than expected ETR of 13% (vs. JMFe of 19%), Adj. PAT declined 17.7% YoY (-9% QoQ) to INR 825mn.
- Proximus takeover likely to be concluded by May'24: The management noted that all regulatory approvals have been secured for the takeover of Route by Proximus Opal. With mandatory takeover offer tendering period also completed, the M&A is likely to be completed by 1QFY25. The deal is likely to unlock combined synergies of at least USD 100mn for Telesign and Route Mobile over the next 3-4 years, as per the management. It also re-iterated that the deal will accelerate Route's path to achieve USD 1bn revenue over the next 2-3 years.
- Maintain 'BUY' with revised TP of INR 1,820: We see several tailwinds for Route's revenue growth in FY25 such as 1) incremental revenue accrual from the VI firewall deal, 2) recently announced deal wins, and 3) synergies between Telesign and Route Mobile. However, in the absence of a concrete guidance from the management and multiple one-offs in recent quarters, we only partially bake-in these developments in our model, while noting that actual delivery could lead to sharp upgrades in our estimates. We maintain 'BUY' rating with a 10-year DCF (WACC of 13% and Tg of 5%) based Jun'25 TP of INR 1,820 (implied target FY26E PER of ~21x versus ~17x at CMP).

# JM FINANCIAL

Swapnil Potdukhe

swapnil.potdukhe@jmfl.com | Tel: (91 22) 62241876

Sachin Dixit

sachin.dixit@jmfl.com | Tel: (91 22) 66303078

Eksha Modi

eksha.modi@jmfl.com | Tel: (91 22) 66303054

Atul Borse

atul.borse@jmfl.com | Tel: (91 22) 66303134

Recommendation and Price Target						
Current Reco.	BUY					
Previous Reco.	BUY					
Current Price Target (12M)	1,820					
Upside/(Downside)	18.6%					
Previous Price Target	1,860					
Change	-2.2%					

Key Data – ROUTE IN	
Current Market Price	INR1,535
Market cap (bn)	INR96.4/US\$1.2
Free Float	42%
Shares in issue (mn)	62.3
Diluted share (mn)	62.8
3-mon avg daily val (mn)	INR299.5/US\$3.6
52-week range	1,760/1,277
Sensex/Nifty	73,896/22,443
INR/US\$	83.5

Price Performan	ce		
%	1M	6M	12M
Absolute	-4.8	-1.6	19.5
Relative*	-4.4	-13.5	-1.2

\* To the BSE Sensex

Financial Summary					(INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Net Sales	35,692	40,233	47,768	56,410	66,284
Sales Growth (%)	78.3	12.7	18.7	18.1	17.5
EBITDA	4,351	5,011	6,339	7,669	9,229
EBITDA Margin (%)	12.2	12.5	13.3	13.6	13.9
Adjusted Net Profit	3,130	3,483	4,428	5,526	6,896
Diluted EPS (INR)	50.0	55.5	70.5	88.0	109.8
Diluted EPS Growth (%)	79.9	10.9	27.1	24.8	24.8
ROIC (%)	36.6	25.2	25.6	30.1	34.8
ROE (%)	17.9	17.5	19.0	20.0	20.9
P/E (x)	30.7	27.7	21.8	17.4	14.0
P/B (x)	5.3	4.5	3.8	3.2	2.7
EV/EBITDA (x)	20.1	18.2	13.9	11.0	8.6
Dividend Yield (%)	0.5	0.7	0.8	0.9	1.0

Source: Company data, JM Financial. Note: Valuations as of 06/May/2024

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.

## Management commentary: Key takeaways

• Guidance: 1) The management has refrained from providing guidance with respect to topline growth until the Proximus deal is completed and they are better aware of the synergy benefits. 2) However, it also reiterated expectations of incremental revenue potential following the Proximus takeover in addition to cross-sell opportunities and cost synergies that could accelerate the company's path to achieve USD 1bn revenue over the next 2-3 years.

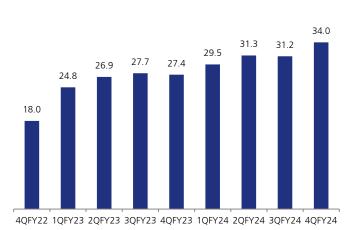
- Recent industry trends: 1) The CPaaS industry has been facing headwinds since Nov'23, including cost optimisation initiatives and shift in communication channels. While these are structural changes that will take some time to stabilise, the management remains confident of the growth prospects in FY25. 2) Multi-channel approach adopted by customers will drive transactions growth for all the players in the CPaaS industry.
- VI firewall deal update: The management noted that the VI deal has gone live April'24 onwards and full impact of revenue contribution from the same will be observed 1QFY25 onwards. As per the management, this deal has incremental revenue potential of INR 5-6bn.
- Factors during Q4 impacting financial performance: 1) Regional challenges faced by the company's MRM (Europe) and Masivian (LATAM) businesses along with the impact of weak seasonality in Q4. 2) Devaluation of Nigerian currency Naira, adversely impacting revenue by c.INR 110mn (c.INR 260mn for FY24). 3) A provision to the extent of INR 265.4mn for an onerous contract, the terms of which are under re-negotiation.
- Realisation: Average realisation per billable transaction was INR 0.295 in 4QFY24 vs. INR 0.324 in 3QFY24.
- Other operational highlights: 1) The company reported net revenue retention of 106% in 4QFY24. 2) New product revenue in 4Q grew 74.7% YoY to INR 643mn (4.5% QoQ degrowth). 3) While NLD volumes grew double digits YoY, ILD volumes continued to be impacted by recent price hikes (by telcos) and cost optimisation efforts by a few large clients. However, the management remains confident of recovering ILD volumes in FY25.
- Dividend: The company announced a dividend of INR 2 per share.

Exhibit 1. Financial snapshor	t							
INR mn	4QFY23	FY23	1QFY24	2QFY24	3QFY24	4QFY24	FY24	Comments
<b>Total revenues (INR mn)</b> Change (YoY)	<b>10,087</b> 61.1%	<b>35,692</b> 78.3%	<b>9,673</b> 32.7%	<b>10.146</b> 20.0%	<b>10.243</b> 3.9%	<b>10,170</b> 0.8%	<b>40,233</b> 12.7%	
Purchase of messaging services Gross profit Gross margin	7,943 <b>2,144</b> <b>21.3%</b>	27,826 <b>7,867</b> <b>22.0%</b>	7,602 <b>2,071</b> <b>21.4%</b>	7,996 <b>2,150</b> <b>21.2%</b>	8,075 <b>2,169</b> <b>21.2%</b>	7,955 <b>2,216</b> <b>21.8%</b>	31,628 <b>8,605</b> <b>21.4%</b>	• Revenue grew 0.8% YoY and declined 0.7% QoQ to INR 10.17bn, and was below JMFe by 7.3%.
Total operating expense Operating profit (EBITDA) Operating margin	849 <b>1,295</b> <b>12.8%</b>	3,516 <b>4,351</b> <b>12.2%</b>	869 <b>1,202</b> <b>12.4%</b>	808 <b>1,342</b> <b>13.2%</b>	919 <b>1,250</b> <b>12.2%</b>	999 <b>1,217</b> <b>12.0%</b>	3,594 <b>5,011</b> <b>12.5%</b>	<ul> <li>Gross margin stood at 21.8% (+53bps YoY, +61bps QoQ) versus JMFe of 21.2%.</li> <li>EBITDA margin stood at 12.0% (-87bps YoY, -24bps QoQ)</li> </ul>
Depreciation & amortization EBIT	212 <b>1,083</b>	816 <b>3,535</b>	211 <b>991</b>	214 <b>1,128</b>	216 <b>1,034</b>	219 <b>998</b>	861 <b>4,151</b>	below JMFe by ~60bps. The miss was mainly due to lower than expected operating leverage.
EBIT margin	10.7%	9.9%	10.2%	11.1%	10.1%	9.8%	10.3%	•Adj. EBITDA (ex-ESOPs) margin stood at 11.8%, below JMFe
Other income Profit before tax	100 1,204	140 3,815	82 1,102	-120 1,102	130 1,316	40 1,094	132 4,551	by ~190bps.
Income tax expense  Adj. PAT (excl. minority and excep)	163 <b>995</b>	484 <b>3,130</b>	185 <b>895</b>	155 <b>857</b>	180 <b>905</b>	142 <b>825</b>	662 <b>3,483</b>	•Adj. PAT stood at INR 825mn (-17.0% YoY, -8.8% QoQ), a miss on JMFe by 15.8%, due to miss on revenue as well as
Change (YoY)	117.8%	88.3%	40.9%	22.5%	13.0%	-17.0%	11.3%	EBITDA.
Adjusted diluted EPS Change (YoY)	<b>15.96</b> 119.0%	<b>50.04</b> 79.9%	<b>14.35</b> 42.3%	<b>13.69</b> 22.5%	<b>14.45</b> 12.6%	<b>13.15</b> -17.7%	<b>55.47</b> 10.9%	

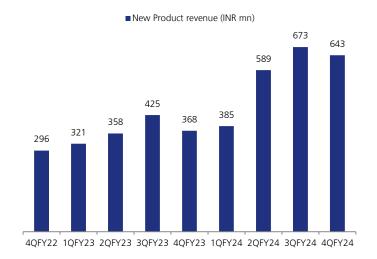
Source: Company, JM Financial

### Exhibit 2. Billable transactions trend

### ■ Billable transactions (billion)



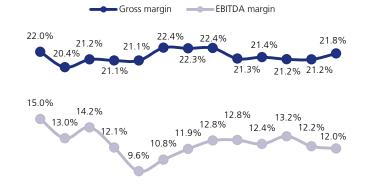
### Exhibit 3. New product revenue trend

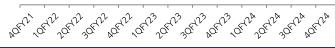


Source: Company, JM Financial

-----

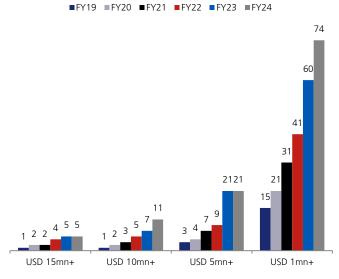
Exhibit 4. Margin trend





Source: Company, JM Financial

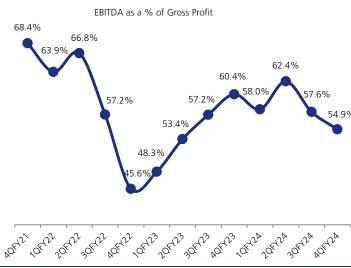
Exhibit 6. Clients by account size



Source: Company, JM Financial

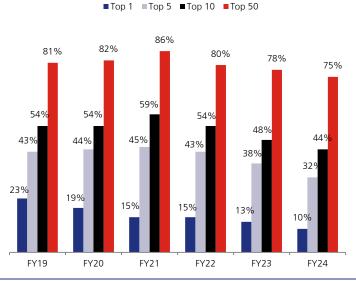
Source: Company, JM Financial

# Exhibit 5. EBITDA as a % of gross profit trend

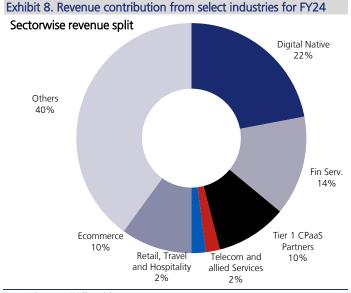


Source: Company, JM Financial

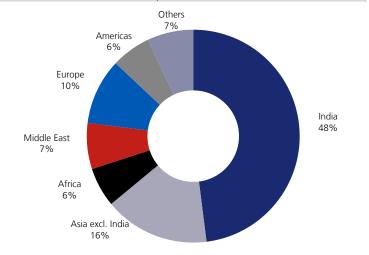
### Exhibit 7. Client concentration



Source: Company, JM Financial

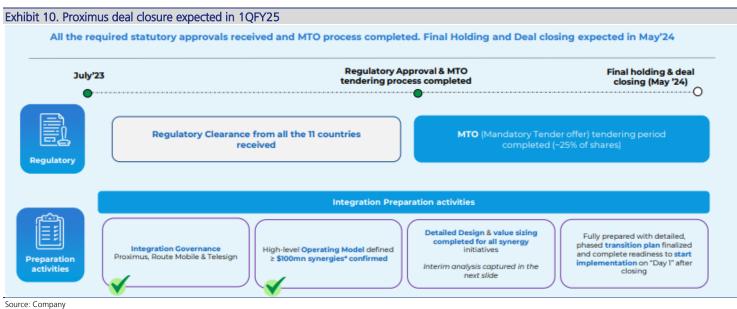


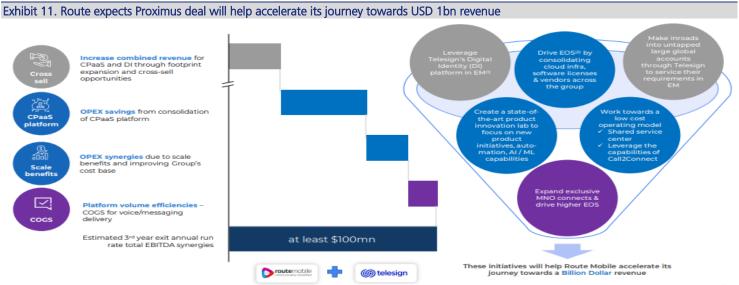
# Exhibit 9. Revenue split across Top 50 countries for FY24 (based on termination of communication)



Source: Company, JM Financial

Source: Company, JM Financial





Source: Company

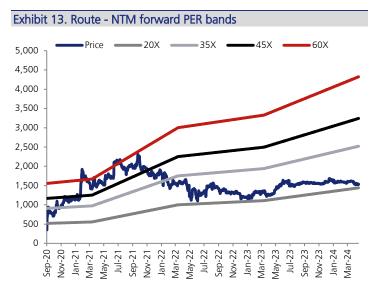
# Maintain BUY; target price reduced to INR 1,820

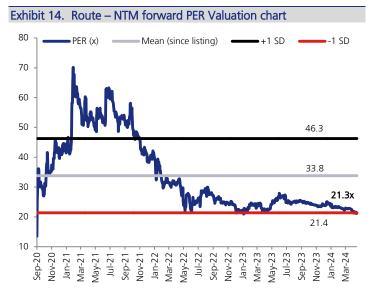
Exhibit 12. What has changed in our forecasts and assumptions?									
		Old			New			Change	
	FY25E	FY26E	FY27E	FY25E	FY26E	FY27E	FY25E	FY26E	FY27E
Consolidated revenue (INR mn)	49,649	58,671	na	47,768	56,410	66,284	-3.8%	-3.9%	na
Revenue growth rate (YoY)	21.0%	18.2%	na	18.7%	18.1%	17.5%	-226bp	-8bp	na
Gross Margin	21.5%	21.7%	na	21.8%	21.7%	21.9%	23bp	3bp	na
EBITDA margin	13.3%	13.6%	na	13.3%	13.6%	13.9%	-2bp	3bp	na
EBIT margin	11.5%	11.9%	na	11.4%	11.9%	12.5%	-11bp	1bp	na
Adj. PAT (INR mn)	4,572	5,707	na	4,428	5,526	6,896	-3.1%	-3.2%	na
Adj. EPS (INR)	73.01	91.14	na	70.52	88.00	109.83	-3.4%	-3.4%	na

Source: JM Financial

# **Key Risks**

- **Key upside risks** to our price target are: (1) strong industry tailwinds drive better-than-expected growth; (2) Growing share of new product sales leads to faster-than-expected gross margin expansion; and (3) Any substantial value-accretive acquisitions.
- Key downside risks are: (1) Substantial increase in competitive intensity; (2) Failure to enter into or maintain long-term relationships with MNOs and/or OTT players; (3) Inability or failure to acquire/upgrade new technologies, clients or expand geographic reach organically or through strategic M&As. (4) Technology failures and data breaches. (5) Client concentration risk.





Source: Bloomberg, JM Financial

Source: Bloomberg, JM Financial

# Financial Tables (Consolidated)

Income Statement				(	INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Net Sales	35,692	40,233	47,768	56,410	66,284
Sales Growth	78.3%	12.7%	18.7%	18.1%	17.5%
Other Operating Income	0	0	0	0	0
Total Revenue	35,692	40,233	47,768	56,410	66,284
Cost of Goods Sold/Op. Exp	27,826	31,628	37,369	44,144	51,753
Personnel Cost	2,011	2,111	2,388	2,708	3,115
Other Expenses	1,504	1,483	1,672	1,890	2,187
EBITDA	4,351	5,011	6,339	7,669	9,229
EBITDA Margin	12.2%	12.5%	13.3%	13.6%	13.9%
EBITDA Growth	82.2%	15.2%	26.5%	21.0%	20.3%
Depn. & Amort.	816	861	885	935	964
EBIT	3,535	4,151	5,454	6,734	8,265
Other Income	140	132	-55	61	191
Finance Cost	0	0	0	0	0
PBT before Excep. & Forex	3,675	4,283	5,399	6,795	8,456
Excep. & Forex Inc./Loss(-)	0	0	0	0	0
PBT	3,675	4,283	5,399	6,795	8,456
Taxes	484	662	891	1,189	1,480
Extraordinary Inc./Loss(-)	-140	-268	0	0	0
Assoc. Profit/Min. Int.(-)	-61	-138	-80	-80	-80
Reported Net Profit	3,271	3,751	4,428	5,526	6,896
Adjusted Net Profit	3,130	3,483	4,428	5,526	6,896
Net Margin	8.8%	8.7%	9.3%	9.8%	10.4%
Diluted Share Cap. (mn)	62.6	62.8	62.8	62.8	62.8
Diluted EPS (INR)	50.0	55.5	70.5	88.0	109.8
Diluted EPS Growth	79.9%	10.9%	27.1%	24.8%	24.8%
Total Dividend + Tax	498	691	753	879	1,005
Dividend Per Share (INR)	8.0	11.0	12.0	14.0	16.0

Balance Sheet					(INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Shareholders' Fund	18,204	21,496	25,233	30,005	36,022
Share Capital	624	628	628	628	628
Reserves & Surplus	17,580	20,868	24,605	29,377	35,395
Preference Share Capital	0	0	0	0	0
Minority Interest	80	213	293	373	453
Total Loans	1,062	3,496	3,496	3,496	3,496
Def. Tax Liab. / Assets (-)	481	390	370	348	323
Total - Equity & Liab.	19,827	25,594	29,392	34,222	40,294
Net Fixed Assets	9,676	9,478	9,056	8,580	8,816
Gross Fixed Assets	1,723	1,860	2,211	2,560	2,968
Intangible Assets	8,997	8,596	7,951	7,274	7,274
Less: Depn. & Amort.	1,055	977	1,106	1,254	1,426
Capital WIP	11	0	0	0	0
Investments	4,102	2,292	2,292	2,292	2,292
Current Assets	14,991	23,091	27,109	35,248	43,038
Inventories	0	0	0	0	0
Sundry Debtors	7,015	10,716	10,747	13,362	14,967
Cash & Bank Balances	4,836	5,423	8,641	12,768	17,358
Loans & Advances	0	0	0	0	0
Other Current Assets	3,140	6,953	7,720	9,117	10,713
Current Liab. & Prov.	8,942	9,022	9,064	11,897	13,853
Current Liabilities	4,939	6,928	5,787	8,032	9,318
Provisions & Others	4,003	2,094	3,277	3,865	4,535
Net Current Assets	6,049	14,069	18,044	23,350	29,185
Total – Assets	19,827	25,840	29,392	34,222	40,294

Source: Company, JM Financial

Source: Company, JM Financial

Cash Flow Statement				(	INR mn)
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Profit before Tax	3,815	4,551	5,399	6,795	8,456
Depn. & Amort.	816	861	885	935	964
Net Interest Exp. / Inc. (-)	-163	64	55	-61	-191
Inc (-) / Dec in WCap.	-3,772	-5,494	-868	-1,269	-1,350
Others	371	-150	0	0	0
Taxes Paid	-334	-746	-891	-1,189	-1,480
Operating Cash Flow	732	-914	4,581	5,211	6,399
Capex	-381	-356	-708	-459	-1,200
Free Cash Flow	352	-1,270	3,873	4,751	5,199
Inc (-) / Dec in Investments	1,219	113	0	0	0
Others	284	222	328	452	590
Investing Cash Flow	1,122	-21	-380	-7	-611
Inc / Dec (-) in Capital	-1,353	112	0	0	0
Dividend + Tax thereon	-686	-696	-691	-753	-879
Inc / Dec (-) in Loans	1,119	2,415	0	0	0
Others	-171	-248	-292	-322	-320
Financing Cash Flow	-1,092	1,584	-982	-1,076	-1,199
Inc / Dec (-) in Cash	763	648	3,218	4,127	4,590
Opening Cash Balance	4,073	4,836	5,484	8,703	12,830
Closing Cash Balance	4,836	5,484	8,703	12,830	17,420

Dupont Analysis					
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
Net Margin	8.8%	8.7%	9.3%	9.8%	10.4%
Asset Turnover (x)	1.3	1.3	1.3	1.3	1.3
Leverage Factor (x)	1.6	1.6	1.6	1.5	1.5
RoE	17.9%	17.5%	19.0%	20.0%	20.9%

Key Ratios					
Y/E March	FY23A	FY24A	FY25E	FY26E	FY27E
BV/Share (INR)	291.0	342.4	401.9	477.9	573.7
ROIC	36.6%	25.2%	25.6%	30.1%	34.8%
ROE	17.9%	17.5%	19.0%	20.0%	20.9%
Net Debt/Equity (x)	-0.4	-0.2	-0.3	-0.4	-0.4
P/E (x)	30.7	27.7	21.8	17.4	14.0
P/B (x)	5.3	4.5	3.8	3.2	2.7
EV/EBITDA (x)	20.1	18.2	13.9	11.0	8.6
EV/Sales (x)	2.4	2.3	1.8	1.5	1.2
Debtor days	72	97	82	86	82
Inventory days	0	0	0	0	0
Creditor days	54	70	49	58	57

Source: Company, JM Financial

Source: Company, JM Financial

History of Recommendation and Target Price								
Date	Recommendation	Target Price	% Chg.					
4-Feb-21	Buy	1,500						
29-Apr-21	Buy	1,500	0.0					
19-May-21	Buy	1,610	7.3					
18-Oct-21	Buy	2,750	70.8					
11-Jan-22	Buy	2,750	0.0					
28-Jan-22	Buy	2,180	-20.7					
15-Mar-22	Buy	2,210	1.4					
19-May-22	Buy	1,630	-26.2					
30-Jul-22	Buy	1,660	1.8					
14-Sep-22	Buy	1,730	4.2					
22-Oct-22	Buy	1,790	3.5					
23-Jan-23	Buy	1,800	0.6					
21-May-23	Buy	1,900	5.6					
18-Jul-23	Buy	1,900	0.0					
29-Jul-23	Buy	1,900	0.0					
29-Oct-23	Buy	1,950	2.6					
24-Jan-24	Buy	1,860	-4.6					



#### 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.