Company Update

Tech Mahindra



Your success is our success

Refer to important disclosures at the end of this report

Growth momentum to remain intact

CMP
Rs 1,522
as of (November 11, 2021)

Target Price Rs 1,870 (■)

Rating BUY (■) Upside 22.9 %

- Tech Mahindra gave further insights into NXT.NOW growth strategy at an analyst meet. It also shared updates on progress made on large deals participation and win rate, steps taken to broaden growth, account segmentation, delivery excellence and capital allocation.
- The company remains confident of delivering double-digit organic revenue growth in FY22, given broad-based demand, strong deal wins (USD3bn in LTM), improving win rates (2x growth) and steady progress on client mining.
- TechM reiterated its guidance to maintain EBITM at 15% with an upward bias in FY22 on the back of revenue momentum, automation-led operating efficiencies, and offshore shift, negating salary inflation, spike in attrition and normalization of WFH savings.
- We maintain Buy with a TP of Rs1,870 at 25x Sep'23E EPS, considering an improving revenue growth trajectory with a stable-to-improving margin profile, improving payout (~60% of FCF on 3-year rolling basis) and reasonable valuations.

5G revenue scaled to ~20% of CME revenue: TechM said that the 5G revenue run rate reached USD500mn in Q2 and crossed over 20% of the CME business. It also suggested that 50% of all the network services business is 5G related in Q2. TechM has a comprehensive growth strategy in place to capitalize on 5G opportunities, encompassing CSPs (CX, Network, Digital OSS/BSS), Enterprises (Industry solutions, private networks, Edge intelligence) and Ecosystem (Network platforms, Device platforms) by leveraging products, platforms, people and partnerships. 5G is causing metamorphosis of the industry across the metaverse (co-evolution of physical and virtual world), sensors (25bn sensors devices expected by 2025) and open 5G. 5G is expected to create business opportunities worth USD712bn across industries by 2030. TechM's focus industries, namely Healthcare, Manufacturing, Automotive and Hitech & Media, will form ~62% of overall spend. Management remains confident of capitalizing on growth opportunities across focus verticals. 5G is accelerating telcos' digital transformation as they invest into modernizing infrastructure, digitizing enterprise platforms, reinventing the core business and reimagining customer experience. Management believes scaling of 5G-related opportunities in the Enterprise business will be relatively slower as the use cases will take some time to evolve.

Increased focus on capital allocation: As per the current capital return policy, TechM distributes excess cash (FCF minus M&A and internal initiatives) through a combination of dividends and buybacks. It has generated USD2.4bn FCF in the last 3.5 years, of which it returned USD1.5bn (~64% payout). Historically, the company has invested around 35-40% of cash generation into capex and M&A and expects a similar approach in the future. TechM plans to return excess cash to shareholders and expects the payout to be ~60% of FCF on a three-year rolling basis.

Please see our sector model portfolio (Emkay Alpha Portfolio): Information Technology (Page 9)

Financial Snapshot (Consolidated)

(Rs mn)	FY20	FY21	FY22E	FY23E	FY24E
Revenue	368,677	378,551	441,192	502,229	563,414
EBITDA	57,261	68,471	80,644	91,331	101,194
EBITDA Margin (%)	15.5	18.1	18.3	18.2	18.0
APAT	40,330	44,281	54,933	61,811	69,811
EPS (Rs)	46.2	50.7	62.6	70.5	79.6
EPS (% chg)	(4.7)	9.6	23.7	12.5	12.9
ROE (%)	19.2	19.0	21.0	21.3	21.5
P/E (x)	32.9	30.0	24.3	21.6	19.1
EV/EBITDA (x)	22.0	17.8	15.0	12.9	11.4
P/BV (x)	6.1	5.4	4.9	4.4	3.9

Source: Company, Emkay Research

Emkay vs Consensus	
Previous Reco	BUY
Target Period (Months)	12
Target Price change (%)	-
EPS Chg FY22E/FY23E (%)	-/-
Change in Estimates	

EPS Estimates

	FY22E	FY23E
Emkay	62.6	70.5
Consensus	64.0	72.7
Mean Consensus TP	(12M)	Rs 1,743

Stock Details Bloomberg Code TECHM IN Face Value (Rs) 5

Shares outstanding (mn) 969
52 Week H/L 1,623 / 794
M Cap (Rs bn/USD bn) 1,475 / 19.79
Daily Avg Volume (nos.) 3,780,928

Daily Avg Turnover (US\$ mn) 73.9

Shareholding Pattern Sep '21

Promoters	35.7%
FIIs	35.6%
DIIs	16.9%
Public and Others	11.8%

Price Perfor	mance	•		
(%)	1M	3M	6M	12M
Absolute	10	16	59	86
Rel. to Niftv	10	6	32	33

Relative price chart



Source: Bloomberg

This report is solely produced by Emkay Global. The following person(s) are responsible for the production of the recommendation:

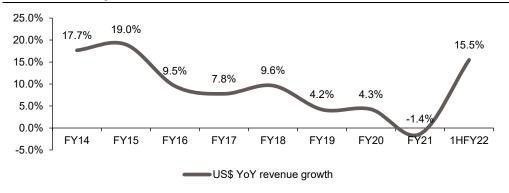
Dipesh Mehta

dipeshkumar.mehta@emkayglobal.com

+91 22 6612 1253

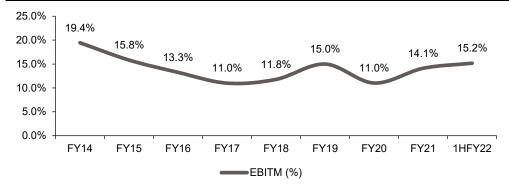
Story in charts

Exhibit 1: Revenue growth momentum to sustain



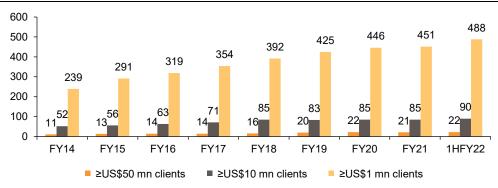
Source: Company, Emkay Research

Exhibit 2: Revenue growth, automation-led operating efficiencies, and improvement in profitability of portfolio companies drive margin improvement; confident to sustain it above 15%



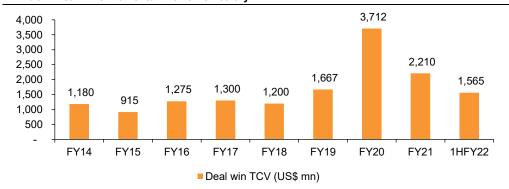
Source: Company, Emkay Research

Exhibit 3: Steady expansion in engagements with clients across buckets



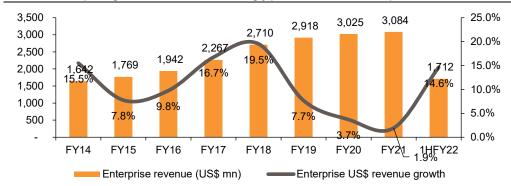
Source: Company, Emkay Research

Exhibit 4: Deal wins momentum remains healthy



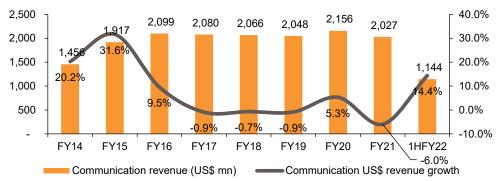
Confident of delivering double-digit organic revenue growth in FY22: TechM remains confident of delivering double-digit organic revenue growth on the back of broad-based growth, progress made on client mining, strong deal intake (over USD3bn), robust deal pipeline and improving win rates. Revenue growth was broad-based in H1, led by continued momentum in the Technology, CME, BFSI and Retail, Transport & Logistics verticals. It expects increased investments in identified growth verticals (HLS, Hitech), competencies (cloud, digital engineering, experience design, 5G) and investments in SaaS platforms (Factoreal, Yabx, Helthnxt) should support growth momentum. TechM is augmenting growth momentum through programmatic M&A, focusing on cloud, AI, cyber security, 5G, digital engineering, digital transformation & customer experience, and data & analytics. The company has spent USD640mn in M&A since 2019 and the acquired businesses reported a revenue CQGR of 8.7% (from pre-acquisition revenue run rate to Q2FY22 run rate). TechM has increased freshers intake and is also focusing on tier 2 cities (hired 5000+ employees in Q2) and near shore locations to tackle supply-side challenges.

Exhibit 5: Enterprise growth bounced back strongly post Covid-19-led disruptions



Note: The company has reclassified industry verticals from FY22 and thus prior data are not strictly comparable Source: Company, Emkay Research

Exhibit 6: CME growth rate bounced back strongly in H1FY22

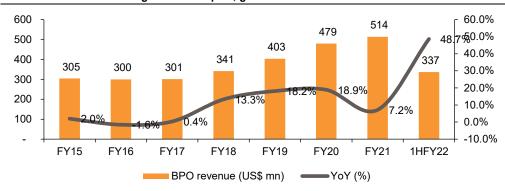


Note: The company has reclassified industry verticals from FY22 (report combined CME revenue vs earlier Communications) and thus prior data are not strictly comparable Source: Company, Emkay Research

BPS revenue growth momentum to sustain and likely to lead overall growth

BPS has driven revenue growth for TechM for the last few years. BPS revenue was affected in H1CY20 due to Covid-19 but recovered strongly in subsequent quarters. Customer experience forms 57% of BPS revenue. From a segment perspective, 47% of revenue comes from CME and 57% from Enterprise. Management expects to sustain healthy growth momentum in the BPS business, considering a strong deal intake (USD567mn deal TCV in H1) and the highest-ever deal pipeline.

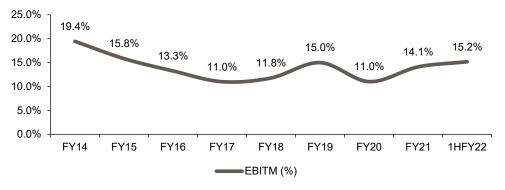
Exhibit 7: BPS-led revenue growth in the past; growth momentum to sustain



Source: Company, Emkay Research

EBITM to sustain at 15% with upward bias in FY22: EBITM expanded by ~300bps YoY to 15.2% in H1FY22. TechM is confident of maintaining EBITM of at least 15% in FY22E, given sustained revenue growth momentum, automation-led operating efficiencies, delivery excellence initiatives, improvement in the performance of portfolio companies, subcontracting costs optimization, flattening employee pyramid (increased fresher intake by 3x), offshore shift and focus on yield at account/business level. These factors should negate the impact of supply-side challenges (recruitment and retention costs) and an expected normalization of travel and other costs.

Exhibit 8: Revenue growth, automation-led operating efficiencies, and improvement in profitability of portfolio companies drive margin improvement; confident to maintain it above 15%



Source: Company, Emkay Research

Exhibit 9: Shift in offshore revenue mix likely to sustain

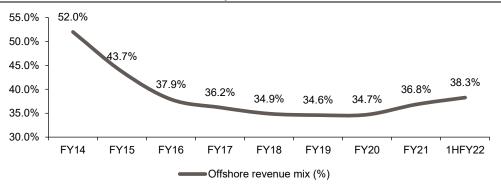
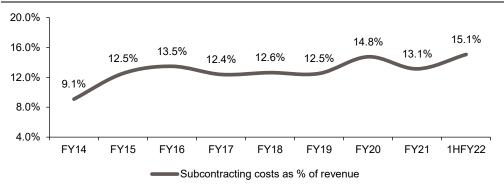


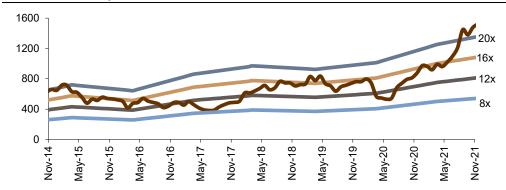
Exhibit 10: Subcontracting costs inched up due to travel restrictions and supply challenges



Source: Company, Emkay Research

Increased focus on Healthcare & Life Sciences and Hi-tech verticals to drive revenue growth: TechM's revenue from the Hi-tech vertical grew ~1.7x in the last three years. It offers product engineering, IT transformation and digital operations services to over 70 clients across semiconductor, hyperscalers and ISVs segments. Management said that the Hi-tech business is currently concentrated in the North America and the company plans to expand its presence in Japan, Europe, Taiwan and India to accelerate growth momentum. It also plans to expand offerings into newer verticals, such as Edutech and Fintech, to augment the growth trajectory. Healthcare & Life Sciences achieved a revenue run rate of over USD400mn and the company is focusing on Provider and Pharma & Life Sciences clients. Management expects TAM of USD40bn (10% CAGR FY25) in the Provider segment and company is betting big on EMR-EHR services, Infra & cloud services, and virtual patient care. Addressable market spend in the Pharma and Life Science segment is USD30bn (9% CAGR FY25). The company is focusing on research & clinical services, manufacturing 4.0, connected factories, and patient engagement and digital health.

Exhibit 11: TechM 1-year forward PE band



Key Financials (Consolidated)

Income Statement

Y/E Mar (Rs mn)	FY20	FY21	FY22E	FY23E	FY24E
Revenue	368,677	378,551	441,192	502,229	563,414
Expenditure	311,416	310,080	360,548	410,899	462,220
EBITDA	57,261	68,471	80,644	91,331	101,194
Depreciation	16,633	15,084	14,272	16,061	16,659
EBIT	40,628	53,387	66,371	75,269	84,536
Other Income	10,005	6,131	7,628	6,517	7,935
Interest expenses	0	0	0	0	0
PBT	50,633	59,518	73,999	81,787	92,471
Tax	11,604	15,999	19,310	20,856	23,580
Extraordinary Items	0	0	0	0	0
Minority Int./Income from Assoc.	(1,301)	(762)	(243)	(880)	(920)
Reported Net Income	40,330	44,281	54,933	61,811	69,811
Adjusted PAT	40,330	44,281	54,933	61,811	69,811

Balance Sheet

Y/E Mar (Rs mn)	FY20	FY21	FY22E	FY23E	FY24E
Equity share capital	4,359	4,370	4,374	4,374	4,374
Reserves & surplus	213,772	244,280	270,783	301,978	337,674
Net worth	218,131	248,650	275,157	306,352	342,047
Minority Interest	3,933	3,795	3,795	3,795	3,795
Loan Funds	24,282	16,618	12,361	12,361	12,361
Net deferred tax liability	(8,087)	(8,372)	(8,372)	(8,372)	(8,372)
Total Liabilities	238,259	260,691	282,941	314,136	349,831
Net block	88,720	90,185	91,603	85,501	80,753
Investment	58,483	102,376	105,337	110,255	110,255
Current Assets	217,388	193,903	220,801	264,199	315,287
Cash & bank balance	31,483	28,352	32,528	54,604	84,320
Other Current Assets	0	0	0	0	0
Current liabilities & Provision	126,833	126,956	135,300	146,319	156,964
Net current assets	90,555	66,947	85,501	117,879	158,324
Misc. exp	0	0	0	0	0
Total Assets	238,259	260,691	282,941	314,136	349,831

Cash Flow

Y/E Mar (Rs mn)	FY20	FY21	FY22E	FY23E	FY24E
PBT (Ex-Other income) (NI+Dep)	50,578	59,529	73,999	81,787	92,471
Other Non-Cash items	(1,106)	5,343	243	880	920
Chg in working cap	(5,218)	15,635	(14,378)	(10,302)	(10,728)
Operating Cashflow	43,581	80,938	54,827	67,570	75,741
Capital expenditure	(12,971)	(17,065)	(15,007)	(9,960)	(11,910)
Free Cash Flow	30,610	63,873	39,820	57,610	63,831
Investments	20,420	(39,997)	(2,961)	(4,918)	0
Other Investing Cash Flow	0	0	0	0	0
Investing Cashflow	10,286	(54,501)	(17,968)	(14,878)	(11,910)
Equity Capital Raised	(17,411)	1,257	4	0	0
Loans Taken / (Repaid)	(444)	(11,743)	(4,257)	0	0
Dividend paid (incl tax)	(24,917)	(17,594)	(28,429)	(30,616)	(34,115)
Other Financing Cash Flow	0	0	0	0	0
Financing Cashflow	(44,655)	(29,869)	(32,683)	(30,616)	(34,115)
Net chg in cash	9,212	(3,432)	4,176	22,076	29,716
Opening cash position	20,427	30,167	26,904	31,080	53,156
Closing cash position	31,483	28,352	32,528	54,604	84,320

Key Ratios

Profitability (%)	FY20	FY21	FY22E	FY23E	FY24E
EBITDA Margin	15.5	18.1	18.3	18.2	18.0
EBIT Margin	11.0	14.1	15.0	15.0	15.0
Effective Tax Rate	22.9	26.9	26.1	25.5	25.5
Net Margin	10.6	11.5	12.4	12.1	12.2
ROCE	22.3	23.9	27.2	27.4	27.9
ROE	19.2	19.0	21.0	21.3	21.5
RoIC	30.8	38.6	48.6	51.3	55.7

Per Share Data (Rs)	FY20	FY21	FY22E	FY23E	FY24E
EPS	46.2	50.7	62.6	70.5	79.6
CEPS	65.3	67.9	78.9	88.8	98.6
BVPS	249.9	284.4	313.8	349.3	390.0
DPS	15.0	45.0	32.4	34.9	38.9

Valuations (x)	FY20	FY21	FY22E	FY23E	FY24E
PER	32.9	30.0	24.3	21.6	19.1
P/CEPS	23.3	22.4	19.3	17.1	15.4
P/BV	6.1	5.4	4.9	4.4	3.9
EV / Sales	3.4	3.2	2.7	2.4	2.0
EV / EBITDA	22.0	17.8	15.0	12.9	11.4
Dividend Yield (%)	1.0	3.0	2.1	2.3	2.6

Gearing Ratio (x)	FY20	FY21	FY22E	FY23E	FY24E
Net Debt/ Equity	(0.3)	(0.5)	(0.5)	(0.5)	(0.5)
Net Debt/EBIDTA	(1.1)	(1.7)	(1.6)	(1.7)	(1.8)
Working Cap Cycle (days)	58.5	37.2	43.8	46.0	47.9

Growth (%)	FY20	FY21	FY22E	FY23E	FY24E
Revenue	6.1	2.7	16.5	13.8	12.2
EBITDA	(9.6)	19.6	17.8	13.3	10.8
EBIT	(22.0)	31.4	24.3	13.4	12.3
PAT	(6.2)	9.8	24.1	12.5	12.9

Quarterly (Rs mn)	Q2FY21	Q3FY21	Q4FY21	Q1FY22	Q2FY22
Revenue	93,718	96,471	97,299	101,976	108,813
EBITDA	17,030	18,954	19,481	18,764	19,952
EBITDA Margin (%)	18.2	19.6	20.0	18.4	18.3
PAT	10,646	13,098	10,814	13,532	13,387
EPS (Rs)	12.0	14.8	12.4	15.5	15.4

Source: Company, Emkay Research

Shareholding Pattern (%)	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21
Promoters	35.8	35.8	35.8	35.7	35.7
FIIs	38.0	39.1	38.3	36.2	35.6
DIIs	14.2	13.5	14.4	16.5	16.9
Public and Others	12.0	11.6	11.5	11.6	11.8

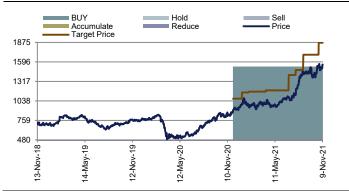
Source: Capitaline

RECOMMENDATION HISTORY TABLE

Date	Closing Price	TP	Period (months)	Rating	Analyst
25-Oct-21	1,524	1,870	12m	Buy	Dipeshkumar Mehta
2-Oct-21	1,371	1,700	12m	Buy	Dipeshkumar Mehta
27-Aug-21	1,445	1,700	12m	Buy	Dipeshkumar Mehta
29-Jul-21	1,128	1,480	12m	Buy	Dipeshkumar Mehta
2-Jul-21	1,089	1,410	12m	Buy	Dipeshkumar Mehta
27-Apr-21	969	1,190	12m	Buy	Dipeshkumar Mehta
5-Apr-21	998	1,190	12m	Buy	Dipeshkumar Mehta
18-Mar-21	996	1,170	12m	Buy	Dipeshkumar Mehta
15-Mar-21	1,027	1,170	12m	Buy	Dipeshkumar Mehta
30-Jan-21	961	1,170	12m	Buy	Dipeshkumar Mehta
4-Jan-21	1,002	1,160	12m	Buy	Dipeshkumar Mehta
18-Dec-20	934	1,070	12m	Buy	Dipeshkumar Mehta
1-Dec-20	907	1,070	12m	Buy	Dipeshkumar Mehta

Source: Company, Emkay Research

RECOMMENDATION HISTORY CHART



Source: Bloomberg, Company, Emkay Research

Analyst: Dipesh Mehta

Contact Details

dipeshkumar.mehta@emkayglobal.com +91 22 6612 1253

Sector

IT Services, ITeS and Software

Analyst bio

Dipesh is a seasoned Equities professional who has covered Technology sector for over 15 years. Dipesh has completed his B.E. in Information Technology from Sardar Patel University and MMS in Finance from Mumbai University.

Emkay Alpha Portfolio – Information Technology

EAP sector portfolio

Company Name	BSE200 Weight	EAP Weight	OW/UW (%)	OW/UW (bps)	EAP Weight (Normalised)
Information Technology	13.56	13.29	-2%	-27	100.00
BirlaSoft	0.00	0.06	NA	6	0.47
Coforge	0.00	0.00	NA	0	0.00
Firstsource Solutions	0.00	0.04	NA	4	0.27
HCL Tech	1.21	1.30	7%	9	9.60
Infosys	6.12	6.27	2%	15	46.20
L&T Infotech	0.30	0.00	-100%	-30	0.00
Mindtree	0.28	0.00	-100%	-28	0.00
Mphasis	0.26	0.21	-22%	-6	1.51
Oracle Financial Services*	0.10	0.00	-100%	-10	0.00
Persistent Systems	0.00	0.35	NA	35	2.57
TCS	3.44	3.43	0%	-1	25.33
Tech Mahindra	0.93	0.96	4%	4	7.09
Wipro	0.92	0.67	-27%	-25	4.96
Cash	0.00	0.27	NA	27	2.00

Source: Emkay Research

Sector portfolio NAV

	Base					Latest
	1-Apr-19	11-Nov-20	12-May-21	11-Aug-21	11-Oct-21	10-Nov-21
EAP - Information Technology	100.0	146.2	176.2	214.8	229.7	226.4
BSE200 Neutral Weighted Portfolio (ETF)	100.0	139.3	165.0	200.3	214.8	212.2

^{*}Performance measurement base date 1st April 2019

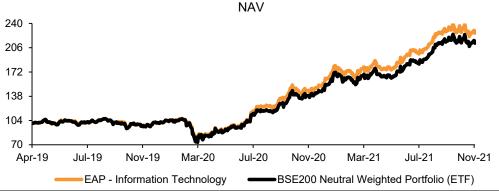
Source: Emkay Research

Price Performance (%)

	1m	3m	6m	12m
EAP - Information Technology	-1.5%	5.4%	28.5%	54.8%
BSE200 Neutral Weighted Portfolio (ETF)	-1.2%	5.9%	28.6%	52.4%

Source: Emkay Research

NAV chart



Source: Emkay Research

Please see our model portfolio (Emkay Alpha Portfolio): Nifty

Please see our model portfolio (Emkay Alpha Portfolio): SMID

"Emkay Alpha Portfolio – SMID and Nifty are a supporting document to the Emkay Alpha Portfolios Report and is updated on regular intervals"

^{*} Not under coverage: Equal Weight

[■] High Conviction/Strong Over Weight ■ High Conviction/Strong Under Weight

Emkay Rating Distribution

Ratings	Expected Return within the next 12-18 months.
BUY	Over 15%
HOLD	Between -5% to 15%
SELL	Below -5%

Completed Date: 12 Nov 2021 02:08:05 (SGT) Dissemination Date: 12 Nov 2021 02:09:05 (SGT)

Sources for all charts and tables are Emkay Research unless otherwise specified.

GENERAL DISCLOSURE/DISCLAIMER BY EMKAY GLOBAL FINANCIAL SERVICES LIMITED (EGFSL):

Emkay Global Financial Services Limited (CIN-L67120MH1995PLC084899) and its affiliates are a full-service, brokerage, investment banking, investment management and financing group. Emkay Global Financial Services Limited (EGFSL) along with its affiliates are participants in virtually all securities trading markets in India. EGFSL was established in 1995 and is one of India's leading brokerage and distribution house. EGFSL is a corporate trading member of Bombay Stock Exchange Limited (BSE), National Stock Exchange of India Limited (NSE), MCX Stock Exchange Limited (MCX-SX). EGFSL along with its subsidiaries offers the most comprehensive avenues for investments and is engaged in the businesses including stock broking (Institutional and retail), merchant banking, commodity broking, depository participant, portfolio management, insurance broking and services rendered in connection with distribution of primary market issues and financial products like mutual funds, fixed deposits. Details of associates are available on our website i.e. www.emkayqlobal.com

EGFSL is registered as Research Analyst with SEBI bearing registration Number INH000000354 as per SEBI (Research Analysts) Regulations, 2014. EGFSL hereby declares that it has not defaulted with any stock exchange nor its activities were suspended by any stock exchange with whom it is registered in last five years, except that NSE had disabled EGFSL from trading on October 05, October 08 and October 09, 2012 for a manifest error resulting into a bonafide erroneous trade on October 05, 2012. However, SEBI and Stock Exchanges have conducted the routine inspection and based on their observations have issued advice letters or levied minor penalty on EGFSL for certain operational deviations in ordinary/routine course of business. EGFSL has not been debarred from doing business by any Stock Exchange / SEBI or any other authorities; nor has its certificate of registration been cancelled by SEBI at any point of time.

EGFSL offers research services to clients as well as prospects. The analyst for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the subject company or companies and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

Other disclosures by Emkay Global Financial Services Limited (Research Entity) and its Research Analyst under SEBI (Research Analyst) Regulations, 2014 with reference to the subject company(s) covered in this report

EGFSL and/or its affiliates may seek investment banking or other business from the company or companies that are the subject of this material. Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients that reflect opinions that are contrary to the opinions expressed herein, and our proprietary trading and investing businesses may make investment decisions that may be inconsistent with the recommendations expressed herein. In reviewing these materials, you should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest including but not limited to those stated herein. Additionally, other important information regarding our relationships with the company or companies that are the subject of this material is provided herein. This report is not directed to, 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 or regulation or which would subject EGFSL or its group companies to any registration or licensing requirement within such jurisdiction. Specifically, this document does not constitute an offer to or solicitation to any U.S. person for the purchase or sale of any financial instrument or as an official confirmation of any transaction to any U.S. person. Unless otherwise stated, this message should not be construed as official confirmation of any transaction. No part of this document may be used by private customers in United Kingdom. All material presented in this report, unless specifically indicated otherwise, is under copyright to Emkay. None of the material, nor its content, nor any copy of it, may be altered in any way, transmitted to, copied or distributed to any other party, without the prior express written permission of EGFSL. All trademarks, service marks and logos used in this report are trademarks or registered trademarks of EGFSL or its Group Companies. The information contained herein is not intended for publication or distribution or circulation in any manner whatsoever and any unauthorized reading, dissemination, distribution or copying of this communication is prohibited unless otherwise expressly authorized. Please ensure that you have read "Risk Disclosure Document for Capital Market and Derivatives Segments" as prescribed by Securities and Exchange Board of India before investing in Indian Securities Market. In so far as this report includes current or historic information, it is believed to be reliable, although its accuracy and completeness cannot be guaranteed.

- This publication has not been reviewed or authorized by any regulatory authority. There is no planned schedule or frequency for updating research publication relating to any issuer.
- Please contact the primary analyst for valuation methodologies and assumptions associated with the covered companies or price targets

Disclaimer for U.S. persons only: This research report is a product of Emkay Global Financial Services Limited (Emkay), which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of Financial Institutions Regulatory Authority (FINRA) or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account. This report is intended for distribution to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor. In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors.

ANALYST CERTIFICATION BY EMKAY GLOBAL FINANCIAL SERVICES LIMITED (EGFSL)

The research analyst(s) primarily responsible for the content of this research report, in part or in whole, certifies that the views about the companies and their securities expressed in this report accurately reflect his/her personal views. The analyst(s) also certifies that no part of his/her compensation was, is, or will be, directly or indirectly, related to specific recommendations or views expressed in the report. The research analyst (s) primarily responsible of the content of this research report, in part or in whole, certifies that he or his associate does not serve as an officer, director or employee of the issuer or the new listing applicant (which includes in the case of a real estate investment trust, an officer of the management company of the real estate investment trust; and in the case of any other entity, an officer or its equivalent counterparty of the entity who is responsible for the management of the issuer or the new listing applicant). The research analyst(s) primarily responsible for the content of this research report or his associate does not have financial interests in relation to an issuer or a new listing applicant that the analyst reviews. EGFSL has procedures in place to eliminate, avoid and manage any potential conflicts of interests that may arise in connection with the production of research reports. The research analyst(s) responsible for this report operates as part of a separate and independent team to the investment banking function of the EGFSL and procedures are in place to ensure that confidential information held by either the research or investment banking function is handled appropriately. There is no direct link of EGFSL compensation to any specific investment banking function of the EGFSL.

COMPANY-SPECIFIC / REGULATORY DISCLOSURES BY EMKAY GLOBAL FINANCIAL SERVICES LIMITED (EGFSL):

Disclosures by Emkay Global Financial Services Limited (Research Entity) and its Research Analyst under SEBI (Research Analyst) Regulations, 2014 with reference to the subject company(s) covered in this report-:

- 1. EGFSL, its subsidiaries and/or other affiliates do not have a proprietary position in the securities recommended in this report as of November 11, 2021
- 2. EGFSL, and/or Research Analyst does not market make in equity securities of the issuer(s) or company(ies) mentioned in this Research Report Disclosure of previous investment recommendation produced:
- EGFSL may have published other investment recommendations in respect of the same securities / instruments recommended in this research
 report during the preceding 12 months. Please contact the primary analyst listed in the first page of this report to view previous investment
 recommendations published by EGFSL in the preceding 12 months.
- 4. EGFSL, its subsidiaries and/or other affiliates and Research Analyst or his/her relative's does not have any material conflict of interest in the securities recommended in this report as of November 11, 2021.
- 5. EGFSL, its subsidiaries and/or other affiliates and Research Analyst or his/her relative's does not have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the November 11, 2021
- 6. EGFSL, its subsidiaries and/or other affiliates and Research Analyst have not received any compensation in whatever form including compensation for investment banking or merchant banking or brokerage services or for products or services other than investment banking or merchant banking or brokerage services from securities recommended in this report (subject company) in the past 12 months.
- 7. EGFSL, its subsidiaries and/or other affiliates and/or and Research Analyst have not received any compensation or other benefits from securities recommended in this report (subject company) or third party in connection with the research report.
- 8. Securities recommended in this report (Subject Company) has not been client of EGFSL, its subsidiaries and/or other affiliates and/or and Research Analyst during twelve months preceding the November 11, 2021

¹ An associate is defined as (i) the spouse, or any minor child (natural or adopted) or minor step-child, of the analyst; (ii) the trustee of a trust of which the analyst, his spouse, minor child (natural or adopted) or minor step-child, is a beneficiary or discretionary object; or (iii) another person accustomed or obliged to act in accordance with the directions or instructions of the analyst.

² Financial interest is defined as interest that are commonly known financial interest, such as investment in the securities in respect of an issuer or a new listing applicant, or financial accommodation arrangement between the issuer or the new listing applicant and the firm or analysis. This term does not include commercial lending conducted at the arm's length, or investments in any collective investment scheme other than an issuer or new listing applicant notwithstanding the fact that the scheme has investments in securities in respect of an issuer or a new listing applicant.

RESTRICTIONS ON DISTRIBUTION

INECTIVIO I IONO ON E	SIGHT ADD THOM
General	This report is not directed to, 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 or regulation.
Australia	This report is not for distribution into Australia.
Hong Kong	This report is not for distribution into Hong Kong.
Indonesia	This report is being distributed in Indonesia by PT DBS Vickers Sekuritas Indonesia.
Malaysia	This report is not for distribution into Malaysia.
Singapore	This report is distributed in Singapore by DBS Bank Ltd (Company Regn. No. 16800306E) or DBSVS (Company Regn. No. 1860024G) both of which are Exempt Financial Advisers as defined in the Financial Advisers Act and regulated by the Monetary Authority of Singapore. DBS Bank Ltd and/or DBSVS, may distribute reports produced by its respective foreign entities, affiliates or other foreign research houses pursuant to an agreement under Regulation 32C of the financial Advisers Regulations. Singapore recipients should contact DBS Bank Ltd at 6327 2288 for matters arising from, or in connection with the report.
Thailand	This report is being distributed in Thailand by DBS Vickers Securities (Thailand) Co Ltd.
	This report is disseminated in the United Kingdom by DBS Vickers Securities (UK) Ltd, ("DBSVUK"). DBSVUK is authorised and regulated by the Financial Conduct Authority in the United Kingdom. In respect of the United Kingdom, this report is solely intended for the clients of DBSVUK, its respective connected and
United Kingdom	associated corporations and affiliates only and no part of this document may be (i) copied, photocopied or duplicated in any form or by any means or (ii) redistributed without the prior written consent of DBSVUK. This communication is directed at persons having professional experience in matters relating to investments. Any investment activity following from this communication will only be engaged in with such persons. Persons who do not have professional experience in matters relating to investments should not rely on this communication.
Dubai International Financial Centre	This research report is being distributed by DBS Bank Ltd., (DIFC Branch) having its office at units 608-610, 6 th Floor, Gate Precinct Building 5, PO Box 506538, Dubai International Financial Centre (DIFC), Dubai, United Arab Emirates. DBS Bank Ltd., (DIFC Branch) is regulated by The Dubai Financial Services Authority. This research report is intended only for professional clients (as defined in the DFSA rulebook) and no other person may act upon it.
United Arab Emirates	This report is provided by DBS Bank Ltd (Company Regn. No. 196800306E) which is an Exempt Financial Adviser as defined in the Financial Advisers Act and regulated by the Monetary Authority of Singapore. This report is for information purposes only and should not be relied upon or acted on by the recipient or considered as a solicitation or inducement to buy or sell any financial product. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situation, or needs of individual clients. You should contact your relationship manager or investment adviser if you need advice on the merits of buying, selling or holding a particular investment. You should note that the information in this report may be out of date and it is not represented or warranted to be accurate, timely or complete. This report or any portion thereof may not be reprinted, sold or redistributed without our written consent.
United States	DBSVUSA did not participate in its preparation. The research analyst(s) named on this report are not registered as research analysts with FINRA and are not associated persons of DBSVUSA. The research analyst(s) are not subject to FINRA Rule 2241 restrictions on analyst compensation, communications with a subject company, public appearances and trading securities held by a research analyst. This report is being distributed in the United States by DBSVUSA, which accepts responsibility for its contents. This report may only be distributed to Major U.S. Institutional Investors (as defined in SEC Rule 15a-6) and to such other institutional investors and qualified persons as DBSVUSA may authorize. Any U.S. person receiving this report who wishes to effect transactions in any securities referred to herein should contact DBSVUSA directly and not its affiliate.
Other jurisdictions	In any other jurisdictions, except if otherwise restricted by laws or regulations, this report is intended only for qualified, professional, institutional or sophisticated investors as defined in the laws and regulations of such jurisdictions.

Emkay Global Financial Services Ltd.

CIN - L67120MH1995PLC084899

7th Floor, The Ruby, Senapati Bapat Marg, Dadar - West, Mumbai - 400028. India Tel: +91 22 66121212 Fax: +91 22 66121299 Web: www.emkayglobal.com