Mindtree

Refer to important disclosures at the end of this report

Strong operating performance to sustain

- MTCL's simple and focused 4*4*4 growth strategy, investments in partnerships and whitespace opportunities led to superior growth in the last few quarters. Though Q2 performance will be difficult to replicate, we expect revenue growth momentum to sustain.
- In the mid-cap space, MTCL benefitted from its better footprint among F500 clients amid a strong rebound in technology spending. The sharp recovery in TTH and deferral of uptick in travel & other expenses also led to strong operating performance and earnings upgrade.
- The company is confident of delivering industry-leading double-digit revenue growth on the back of strong deal wins, a healthy deal pipeline and broad-based revenue growth. MTCL remains confident of delivering 20%+ EBITDAM in FY22 and aspires to maintain it.
- We raise our FY22-24E EPS by 2-9%, factoring in secular demand trends. We roll forward TP to Dec'22 and upgrade the stock to Hold with a revised TP of Rs4,450 at 36x Dec'23E EPS (Rs3,300 earlier), considering higher medium-term growth assumptions (Exhibit 7) and the correction in the stock price (~10% correction from peak).

Strong operating performance on the back of a sharp rebound in tech spending, better footprint among F500 clients and steady execution of its 4*4*4 growth strategy: MTCL's steady execution of its well-devised '4*4*4 strategy' that focuses on four verticals (RCM, BFSI, TTH and CMT), four service lines (Customer Success, Data and Intelligence, Cloud and Enterprise IT) and four geographies (NA, UK & Ireland, Continental Europe, APAC & ME) led to solid revenue growth in the last 4 quarters (7.6% CQGR). Customer experience, digital transformation, cloud and workplace modernization have seen accelerated demand. TTH has seen a healthy recovery as clients invested in contactless experience in the wake of the pandemic. MTCL works with several Fortune 500 companies (best footprint among Tier-II peers) that have accelerated their digital transformation agenda, thus driving healthy revenue growth for the company. It has identified and is investing in whitespace opportunities - Health, Security and Enterprise Applications, expansion into APAC/ME and Japan, IoT capabilities (NxT acquisition) to augment revenue growth. MTCL has also created a dedicated unit with hyperscalers (AWS, Azure, Google, ServiceNow, Salesforce) focusing on joint offerings-led GTM. The company' focus on client mining and cross-selling has also worked as it has added 7 USD5mn+ and 6 USD10mn+ clients in the last four quarters. We expect revenue growth momentum to sustain on the back of strong deal wins (USD864mn in H1, 25% YoY), healthy deal pipeline and progress in account mining.

EBITDAM to sustain over 20% in FY22: MTCL has delivered strong expansion in EBITM in the last 8 quarters (9.3% in Q2FY20 to 18.2% in Q2FY22) on the back of revenue growth and intense focus on driving operating efficiencies. MTCL is confident of sustaining EBITDAM above 20% in FY22, factoring in sustained revenue growth momentum, benefits accruing from the WFH shift, a flattening pyramid (added more than 2,000 freshers in H1) and offshore shift negating the pressure from the shortage of talent. Management aspires to sustain EBITDAM within a narrow range in the medium term although the anticipated uptick in travel and other expenses (timing and pace of return remain uncertain) could weigh on margins.

Please see our sector model portfolio (Emkay Alpha Portfolio): Information Technology (page 8)

Financial Snapshot (Consolidated)

(Rs mn)	FY20	FY21	FY22E	FY23E	FY24E
Revenue	77,643	79,678	1,05,298	1,30,011	1,52,502
EBITDA	10,898	16,567	21,439	25,346	29,778
EBITDA Margin (%)	14.0	20.8	20.4	19.5	19.5
APAT	6,309	11,105	15,507	18,299	21,283
EPS (Rs)	38.3	67.4	94.1	111.1	129.2
EPS (% chg)	(16.5)	75.9	39.6	18.0	16.3
ROE (%)	19.5	29.7	32.5	31.6	30.3
P/E (x)	116.1	66.0	47.3	40.1	34.5
EV/EBITDA (x)	66.5	42.9	32.8	27.4	22.9
P/BV (x)	23.2	17.0	14.0	11.5	9.5

Emkay[®]

СМР	Target Price
Rs 4,445 as of (November 29, 2021)	Rs 4,450 (▲) 12 months
Rating	Upside
HOLD (▲)	0.1 %

Change in Estimates

Change in Es	stima	tes							
EPS Chg FY2	22E/F	Y23E (%	%)		2/6				
Target Price of	hang	e (%)			34.8				
Target Period	(Mon	iths)			12				
Previous Rec	0			S	ELL				
Emkay vs Consensus									
EPS Estimates									
		F	Y22E	F١	23E				
Emkay			94.1	1	11.1				
Consensus			89.9	1	04.4				
Mean Conser	nsus T	P (12N	1)	Rs 4	227				
Stock Details	5								
Bloomberg Co	ode			MTC	LIN				
Face Value (F	Rs)				10				
Shares outsta	Inding	ı (mn)			165				
52 Week H/L			5,0	60 / 1	,349				
M Cap (Rs br	/USD	bn)	-	734 / 9	9.80				
Daily Avg Vol	ume (nos.)		14,26	,241				
Daily Avg Tur	nover	(US\$ r	nn)		83.3				
Shareholding	g Patt	ern Se	p '21						
Promoters				6′	1.0%				
Flls				15	5.0%				
DIIs				1().1%				
Public and Ot	hers			13	3.9%				
Price Perform	nance	9							
(%)	1M	3M	61	۰ ۱	12M				
Absolute	(2)	27	10	2	220				
Rel. to Nifty	5	24	8	1	144				
Relative pric	e cha	rt							
⁵⁰⁰⁰ Rs				%	170				
4270 -			, Mad	MP	- 134				
3540 -			ĥ		- 98				
2810 -		أرمر	n.		- 62				
2080 -	پنهني مناطقتار	And a			- 26				
1350 Nov-20Jan-21	Mor 21		121 50	2110	-10				
	ree (LHS)			o Nifty (RH					
Source: Bloom	berg								
This report is solely produced by Emkay Global. The following person(s) are responsible for the production of the recommendation:									
Dipesh Mehta	a								
dipeshkumar.ı	mehta	@emk	ayglol	bal.co	m				
+91 22 6612 1	1253								

Source: Company, Embauleesparcheam.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM

Story in Charts

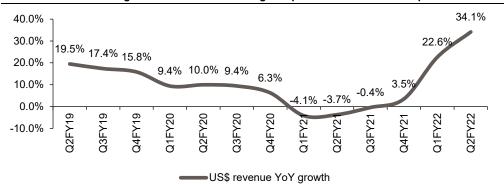
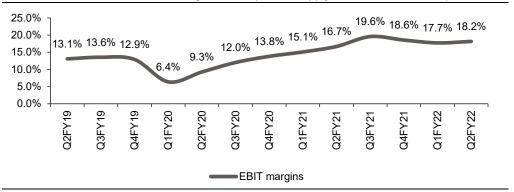


Exhibit 1: USD revenue growth momentum showing sharp rebound over last few quarters

Source: Company, Emkay Research

Exhibit 2: MTCL has defended its margin well despite the supply side issues in recent quarters



Source: Company, Emkay Research

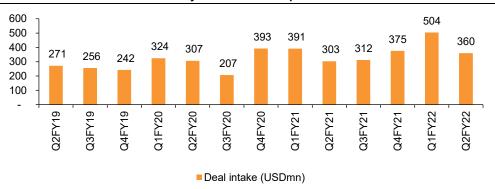
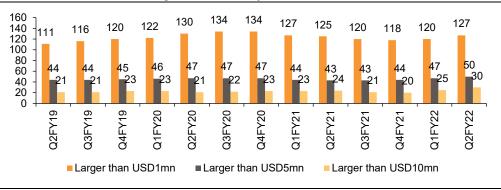


Exhibit 3: Deal intake has been healthy over the last few quarters

Source: Company, Emkay Research

Exhibit 4: Focus on client mining has led to healthy addition across client buckets



Source: Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM

Exhibit 5: Changes in estimates

All fig in Do you avage to EDC and (/)	FY22E		FY23E			FY24E			
All fig in Rs mn except EPS and %)	Old	New	% change	Old	New	% change	Old	New	% change
Overall Revenues(in US\$ mn)	1,400	1,414	1.0%	1,665	1,711	2.7%	1,914	1,968	2.8%
YoY growth, %	30.0%	31.4%		19.0%	21.0%		15.0%	15.0%	
Revenues	1,04,219	1,05,298	1.0%	1,26,546	1,30,011	2.7%	1,48,369	1,52,502	2.8%
EBIT	18,493	18,879	2.1%	21,083	22,479	6.6%	24,235	26,556	9.6%
EBIT margins, %	17.7	17.9		16.7	17.3		16.3	17.4	
Net profits	15,220	15,507	1.9%	17,246	18,299	6.1%	19,496	21,283	9.2%
EPS	92.4	94.1	1.9%	104.7	111.1	6.1%	118.4	129.2	9.2%

Source: Company, Emkay Research

Exhibit 6: Key assumptions

(in Rs mn)	FY22E	FY23E	FY24E
USD revenues growth (%)	31.4%	21.0%	15.0%
USD/INR	74.5	76.0	77.5
INR revenues Growth (%)	32.2%	23.5%	17.3%
EBIT margin (%)	17.9%	17.3%	17.4%
EPS Growth (%)	39.6%	18.0%	16.3%
Source: Company, Emkay Research			

Source: Company, Emkay Research

Exhibit 7: Increased medium term revenue growth assumptions leading to higher target PE multiple

Rupee revenue growth assumptions (%)	FY21-25E	FY26-30E	FY31-35E Beyond FY35E		
Old	21.6%	14.0%	7.0%	7.0%	
New	22.4%	14.0%	14.0%	7.0%	
Sauraa Campany Emkay Desearch					

Source: Company, Emkay Research

Exhibit 8: 2-Stage Gordon Growth Model valuation

Particular	
FY21E-24E Revenue CAGR (%)	23%
FY21E-24E EPS CAGR (%)	21%
Stage-1 (FY25E-35E) - Growth (%)	14.0
Stage-1 (FY25E-35E) - DPR (%)	69.0
Stage-1 (FY25E-35E) - Incr RoE (%)	45.2
Terminal stage - Growth (%)	7.0
Terminal stage - DPR (%)	84.5
CoE (%)	11.5
Implied P/E (x)	35.6
Target P/E (x)	36.0
TP (INR) Dec-22E	4,450
Source: Emkay Research	

Source: Emkay Research

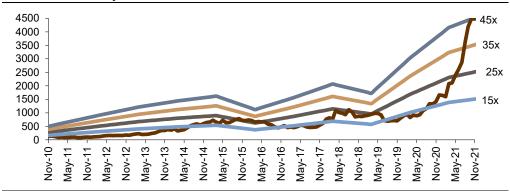
This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM

Exhibit 9: MTCL has proved us wrong in the last four quarters with flawless execution amid a sharp rebound in demand (we deemed it a low probability event but the full credit goes to management for superior execution)

		FY22E			FY23E		
All fig in Rs mn except EPS and %	At the end of Q2FY21	Current Assumptions	% change	At the end of Q2FY21	Current Assumptions	% change	Comment
Overall Revenues (in US\$ mn)	1,181	1,414	19.7%	1,312	1,711	30.4%	Strong broad-based demand recovery and rebound in TTH led to better-than-expected revenue growth
YoY growth, %	12.0%	31.4%		11.0%	21.0%		
Revenues	87,421	1,05,298	20.4%	98,384	1,30,011	32.1%	
EBIT	12,936	18,879	45.9%	14,643	22,479	53.5%	
EBIT margins, %	14.8	17.9		14.9	17.3		Strong revenue growth-led operating leverage and delayed reversal of travel and other WFH-related savings led to strong beat on margins
Net profits	10,212	15,507	51.8%	11,751	18,299	55.7%	
EPS	62.0	94.1	51.8%	71.3	111.1	55.7%	Revenue acceleration and better margin performance have led to the upside on EPS (consensus EPS seen broadly similar upgrade in the same period)

Source: Company, Emkay Research

Exhibit 10: MTCL's 1-year forward PE chart



Source: Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM

Key Financials (Consolidated)

Income Statement

Y/E Mar (Rs mn)	FY20	FY21	FY22E	FY23E	FY24E
Revenue	77,643	79,678	1,05,298	1,30,011	1,52,502
Expenditure	66,745	63,111	83,859	1,04,665	1,22,724
EBITDA	10,898	16,567	21,439	25,346	29,778
Depreciation	2,754	2,596	2,560	2,867	3,222
EBIT	8,144	13,971	18,879	22,479	26,556
Other Income	144	1,013	2,091	2,417	2,400
Interest expenses	0	0	0	0	0
PBT	8,288	14,984	20,970	24,896	28,956
Тах	1,979	3,879	5,463	6,597	7,673
Extraordinary Items	0	0	0	0	0
Minority Int./Income from Assoc.	0	0	0	0	0
Reported Net Income	6,309	11,105	15,507	18,299	21,283
Adjusted PAT	6,309	11,105	15,507	18,299	21,283

Balance Sheet

Y/E Mar (Rs mn)	FY20	FY21	FY22E	FY23E	FY24E
Equity share capital	1,646	1,647	1,647	1,647	1,647
Reserves & surplus	29,922	41,543	50,625	62,006	75,382
Net worth	31,568	43,190	52,273	63,653	77,029
Minority Interest	0	0	0	0	0
Loan Funds	5,663	5,377	5,600	5,800	5,900
Net deferred tax liability	(1,835)	(351)	(351)	(351)	(351)
Total Liabilities	35,396	48,216	57,522	69,102	82,578
Net block	14,092	12,758	13,458	13,171	13,049
Investment	9,709	20,468	14,161	14,161	14,161
Current Assets	25,794	29,813	48,742	63,689	80,614
Cash & bank balance	3,909	7,597	20,713	30,447	42,627
Other Current Assets	7,496	9,474	10,142	11,158	12,082
Current liabilities & Provision	14,335	15,047	18,939	22,019	25,346
Net current assets	11,459	14,766	29,803	41,670	55,268
Misc. exp	0	0	0	0	0
Total Assets	35,396	48,216	57,522	69,102	82,578

Cash Flow Y/F Mar (Rs mn)

Y/E Mar (Rs mn)	FY20	FY21	FY22E	FY23E	FY24E
PBT (Ex-Other income) (NI+Dep)	8,144	13,971	18,879	22,479	26,556
Other Non-Cash items	390	(544)	(870)	(1,406)	(1,941)
Chg in working cap	(1,541)	5,882	(1,920)	(2,134)	(1,417)
Operating Cashflow	8,251	19,960	15,276	17,626	21,146
Capital expenditure	(1,220)	(619)	(2,913)	(2,380)	(3,000)
Free Cash Flow	7,031	19,341	12,363	15,246	18,146
Investments	858	(11,382)	6,796	0	0
Other Investing Cash Flow	0	0	0	0	0
Investing Cashflow	(229)	(11,833)	4,778	(414)	(459)
Equity Capital Raised	4	1	0	0	0
Loans Taken / (Repaid)	(495)	(842)	0	0	0
Dividend paid (incl tax)	(5,940)	(2,880)	(6,424)	(6,918)	(7,907)
Other Financing Cash Flow	288	(214)	0	0	0
Financing Cashflow	(6,672)	(4,439)	(6,938)	(7,478)	(8,507)
Net chg in cash	1,350	3,688	13,116	9,733	12,181
Opening cash position	2,559	3,909	7,597	20,713	30,447
Closing cash position	3,909	7,597	20,713	30,447	42,627

Source: Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM

Profitability (%)	FY20	FY21	FY22E	FY23E	FY24E
EBITDA Margin	14.0	20.8	20.4	19.5	19.5
EBIT Margin	10.5	17.5	17.9	17.3	17.4
Effective Tax Rate	23.9	25.9	26.1	26.5	26.5
Net Margin	8.1	13.9	14.7	14.1	14.0
ROCE	24.3	35.8	39.7	39.3	38.2
ROE	19.5	29.7	32.5	31.6	30.3
RolC	37.5	67.2	88.9	95.8	106.0
Per Share Data (Rs)	FY20	FY21	FY22E	FY23E	FY24E
EPS	38.3	67.4	94.1	111.1	129.2
CEPS	55.1	83.2	109.7	128.5	148.8
BVPS	191.8	262.2	317.3	386.4	467.6
DPS	30.0	17.5	39.0	42.0	48.0
Valuations (x)	FY20	FY21	FY22E	FY23E	FY24E
PER	116.1	66.0	47.3	40.1	34.5
P/CEPS	80.8	53.5	47.5	34.6	29.9
P/BV	23.2	17.0	40.0	11.5	29.8
EV / Sales	9.3	8.9	6.7	5.3	4.5
EV / EBITDA	9.5	42.9	32.8	27.4	22.9
Dividend Yield (%)	0.7	0.4	0.9	0.9	1.1
Gearing Ratio (x)	FY20	FY21	FY22E	FY23E	FY24E
Net Debt/ Equity	(0.3)	(0.5)	(0.6)	(0.6)	(0.7)
Net Debt/EBIDTA	(0.7)	(1.4)	(1.4)	(1.5)	(1.7)
Working Cap Cycle (days)	35.5	32.8	31.5	31.5	30.3
Growth (%)	FY20	FY21	FY22E	FY23E	FY24E
Revenue	10.6	2.6	32.2	23.5	17.3
EBITDA	2.4	52.0	29.4	18.2	17.5
EBIT	(9.6)	71.5	35.1	19.1	18.1
PAT	(16.3)	76.0	39.6	18.0	16.3
Quarterly (Ps mn)	O2EV21	03EV21	04EV21	O1EV22	O2EV22
Quarterly (Rs mn)	Q2FY21	Q3FY21	Q4FY21	Q1FY22	
Revenue	19,260	20,237	21,093	22,917	25,862
Revenue EBITDA	19,260 3,784	20,237 4,679	21,093 4,626	22,917 4,645	25,862 5,307
Revenue EBITDA EBITDA Margin (%)	19,260 3,784 19.6	20,237 4,679 23.1	21,093 4,626 21.9	22,917 4,645 20.3	25,862 5,307 20.5
Revenue EBITDA EBITDA Margin (%) PAT	19,260 3,784 19.6 2,537	20,237 4,679 23.1 3,265	21,093 4,626 21.9 3,173	22,917 4,645 20.3 3,434	25,862 5,307 20.5 3,989
Revenue EBITDA EBITDA Margin (%) PAT EPS (Rs)	19,260 3,784 19.6	20,237 4,679 23.1	21,093 4,626 21.9	22,917 4,645 20.3	25,862 5,307 20.5 3,989
Revenue EBITDA EBITDA Margin (%) PAT EPS (Rs) Source: Company, Emkay Research	19,260 3,784 19.6 2,537	20,237 4,679 23.1 3,265	21,093 4,626 21.9 3,173	22,917 4,645 20.3 3,434	25,862 5,307 20.5 3,989 24.2
Revenue EBITDA EBITDA Margin (%) PAT EPS (Rs) Source: Company, Emkay Research Shareholding Pattern (%)	19,260 3,784 19.6 2,537 15.4	20,237 4,679 23.1 3,265 19.8	21,093 4,626 21.9 3,173 19.3	22,917 4,645 20.3 3,434 20.8	25,862 5,307 20.5 3,989 24.2 Sep-21
Revenue EBITDA EBITDA Margin (%) PAT EPS (Rs) Source: Company, Emkay Research Shareholding Pattern (%) Promoters	19,260 3,784 19.6 2,537 15.4 Sep-20	20,237 4,679 23.1 3,265 19.8 Dec-20	21,093 4,626 21.9 3,173 19.3 Mar-21	22,917 4,645 20.3 3,434 20.8 Jun-21	25,862 5,307 20.5 3,989 24.2 Sep-21 61.0
Revenue EBITDA EBITDA Margin (%)	19,260 3,784 19.6 2,537 15.4 Sep-20 67.6	20,237 4,679 23.1 3,265 19.8 Dec-20 61.0	21,093 4,626 21.9 3,173 19.3 Mar-21 61.0	22,917 4,645 20.3 3,434 20.8 Jun-21 61.0	Q2FY22 25,862 5,307 20.5 3,989 24.2 Sep-21 61.0 15.0 10.1

Source: Capitaline

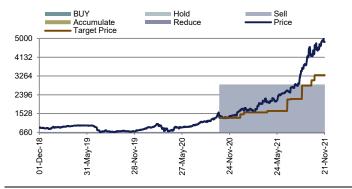
This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM

RECOMMENDATION HISTORY TABLE

Date	Closing Price	TP	Period (months)	Rating	Analyst
14-Oct-21	4,691	3,300	12m	Sell	Dipeshkumar Mehta
02-Oct-21	4,185	3,070	12m	Sell	Dipeshkumar Mehta
27-Aug-21	3,643	2,825	12m	Sell	Dipeshkumar Mehta
14-Jul-21	2,703	2,200	12m	Sell	Dipeshkumar Mehta
02-Jul-21	2,583	2,180	12m	Sell	Dipeshkumar Mehta
27-Apr-21	2,055	1,650	12m	Sell	Dipeshkumar Mehta
17-Apr-21	2,070	1,650	12m	Sell	Dipeshkumar Mehta
05-Apr-21	2,088	1,580	12m	Sell	Dipeshkumar Mehta
18-Mar-21	1,970	1,580	12m	Sell	Dipeshkumar Mehta
18-Jan-21	1,664	1,580	12m	Sell	Dipeshkumar Mehta
04-Jan-21	1,689	1,490	12m	Sell	Dipeshkumar Mehta
18-Dec-20	1,476	1,330	12m	Sell	Dipeshkumar Mehta
04-Dec-20	1,438	1,330	12m	Sell	Dipeshkumar Mehta
16-Oct-20	1,329	1,330	12m	Sell	Dipeshkumar Mehta

Source: Company, Emkay Research

RECOMMENDATION HISTORY CHART



Source: Bloomberg, Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM



Analyst: Dipesh Mehta

Contact Details

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

Sector

IT Services, ITeS and Software

Analyst bio

Dipesh Equities is а seasoned 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	13.91	13.63	-2%	-28	100.00
BirlaSoft	0.00	0.07	NA	7	0.54
Coforge	0.00	0.00	NA	0	0.00
Firstsource Solutions	0.00	0.03	NA	3	0.25
HCL Tech	1.21	1.30	7%	9	9.33
Infosys	6.29	6.43	2%	14	46.24
L&T Infotech	0.31	0.00	-100%	-31	0.00
Mindtree	0.27	0.00	-100%	-27	0.00
Mphasis	0.25	0.19	-23%	-6	1.40
Oracle Financial Services*	0.10	0.00	-100%	-10	0.00
Persistent Systems	0.00	0.34	NA	34	2.47
TCS	3.60	3.58	-1%	-2	25.71
Tech Mahindra	0.95	1.00	5%	4	7.16
Wipro	0.93	0.68	-27%	-25	4.87
Cash	0.00	0.28	NA	28	2.03

Source: Emkay Research

* Not under coverage: Equal Weight

High Conviction/Strong Over Weight

Sector portfolio NAV

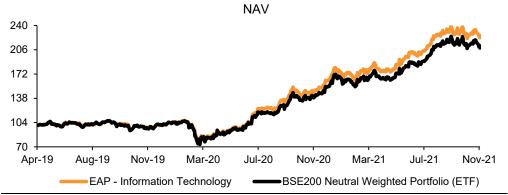
	Base					Latest
	1-Apr-19	27-Nov-20	28-May-21	27-Aug-21	27-Oct-21	26-Nov-21
EAP - Information Technology	100.0	145.7	185.1	227.1	229.1	222.8
BSE200 Neutral Weighted Portfolio (ETF)	100.0	138.5	172.8	212.8	214.8	208.5
BSE200 Neutral Weighted Portfolio (ETF) *Performance measurement base date 1 st Ap		138.5	1/2.8		212.8	212.8 214.8
irce: Emkay Research						

ecurce. Ennay Recourses

Price Performance (%) 1m 3m 6m 12m EAP - Information Technology -2.7% -1.9% 20.4% 53.0% BSE200 Neutral Weighted Portfolio (ETF) 50.6% -2.9% -2.0% 20.7% Source: Emkay Research

Source. Linkay Nes





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"

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM

Emkay Rating Distribution

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

Completed Date: 30 Nov 2021 02:10:20 (SGT) Dissemination Date: 30 Nov 2021 02:11:20 (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.emkayglobal.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 Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to 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 Investors. 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.

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM

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 associate¹ 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 interests² 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.

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.

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 29, 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 29, 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 29, 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 form 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 29, 2021

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM

RESTRICTIONS ON I	DISTRIBUTION
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.
United Kingdom	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 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

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 12/01/2021 03:50 PM