India Equity Research | Information Technology October 21, 2022 Result Update

Coforge

Refer to important disclosures at the end of this report

In-line operating performance

For Q2FY23, Coforge's operating performance was broadly in line with our estimates; however, lower ETR led to beat on the profit front. BFS grew in double digits sequentially in constant currency (CC) terms for the second quarter in a row, reflecting strong deal momentum and resilient demand. Management remains watchful of evolving macro situations and is cautiously optimistic on the growth outlook. Management expects usual furloughs in Q3FY23. The company has retained at least 20% CC YoY revenue growth guidance for FY23, considering healthy deal intake, NTM order book (USD802mn, 16.6% YoY), and a strong deal pipeline. Management has also retained its adjusted EBITDAM (ex-ESOP and acquisition costs) guidance of 18.5-19% for FY23. Management is confident that it will attain ~USD1bn revenue run-rate in FY23 and has its eyes set on achieving USD2bn revenue run-rate in the next five years. We have raised our EPS estimates by 3.6-4.3% over FY23E-25E, factoring in Q2 performance. We retain Hold with a TP of Rs3,550 (Rs3,400 earlier), at 21x Sep-24E EPS, considering limited upside risks and the overhang of further stake sale by Baring.

Result summary: For Q2FY23, Coforge reported revenue growth of 3.3% QoQ (6.2% CC) to USD247.1mn, in line with our estimate of USD247mn. Adjusted EBITDAM (excl. ESOP costs and acquisition-related expenses) expanded by 190bps QoQ to 18.4% due to currency movement (+10bps), lower SG&A (+20bps), and continued offshoring expansion, utilisation uptick, increased contribution from higher-margin businesses, and employee pyramid optimization (+160bps). EBITM increased by 190bps QoQ to 14.4%, 20bps above our estimate of 14.2%. Net profit was up ~34% QoQ to Rs2.01bn, above our expectations of Rs1.84bn, due to lower ETR and non-controlling interests. Revenue growth was led by BFS, which registered QoQ CC growth of 14%, Insurance (5.5% growth), and Travel (4.9% growth), while Others (incl. manufacturing, retail, healthcare, Hi-tech, and public sector sub-verticals) declined by 0.9%. Among geographies, growth was led by EMEA (12.9% CC QoQ) and Americas (4.5%). RoW reported a 7.3% QoQ drop in CC, largely due to weakness in India. Order bookings were robust, with total fresh order intake of USD304mn (Americas: USD141mn, EMEA: USD134mn, and RoW: USD29mn), having two large deals with over USD30mn TCV signed in Q2FY23. The top-5 clients grew by 4.4% QoQ and the top-10 clients grew by 4.2% in USD terms. What we liked: Steady revenue performance, margin trajectory, healthy deal intake, and executable order book. What we did not like: Weak cash conversion (~17% OCF/EBITDA in H1).

Earnings call KTAs: 1) Despite macro uncertainties, BFS and travel continue to show robust demand. 2) EMEA business is centered around select banking and travel clients. 3) The company added 249 employees in Q2. Headcount addition remains strong in the IT segment (464 in Q2), while headcount decline continued in BPS for the third quarter in a row. 4) Utilization (including trainee) inched up by 110bps QoQ to 77.3%. 5) LTM attrition moderated to 16.4% vs. 18% in Q1. 6) Offshoring mix improved to 49.8% in Q2FY23 from 36% in Q2FY21, which is a structural and sustainable improvement and augurs well for margins. 7) Revenue growth-led operating leverage, continued increase in offshoring mix, utilization uptick, and deployment of freshers remain key margin levers. 8) It added 11 new logos during the quarter. 9) Capex stood at USD5mn for Q2. 10) Weak cash conversion in H1, but management expects it to recover in H2. OCF/EBITDA is expected to remain at 65-70%. 11) The Board recommended an interim dividend of Rs13/share. 12) Given the adverse market conditions, Coforge delayed its ADR listing but remains committed to it.

Please see our sector model portfolio (Emkay Alpha Portfolio): Information Technology (Page 6)

Financial Snapshot (Consolidated)

(Rs mn)	FY21	FY22	FY23E	FY24E	FY25E
Revenue	46,628	64,320	79,285	90,812	104,767
EBITDA	7,901	11,019	13,918	15,988	18,510
EBITDA Margin (%)	16.9	17.1	17.6	17.6	17.7
APAT	4,736	6,617	7,728	9,202	11,073
EPS (Rs)	78.2	108.6	126.8	151.0	181.8
EPS (% chg)	8.3	39.0	16.8	19.1	20.3
ROE (%)	19.5	25.5	26.1	26.6	27.7
P/E (x)	49.4	35.5	30.4	25.5	21.2
EV/EBITDA (x)	28.6	21.2	16.5	14.3	12.1
P/BV (x)	9.5	8.6	7.4	6.3	5.5

Emkay®

Your success is our success

СМР	Target Price
Rs 3,858 as of (October 20, 2022)	Rs 3,550 (▲) 12 months
Rating	Upside
HOLD (∎)	(8.0) %

Change in Estimates

Change in E	stimat	es		
EPS Chg FY2	23E/F1	/24E (%)	4.3/3.6
Target Price of	change	e (%)		4.4
Target Period	l (Mon	ths)		12
Previous Rec	0			HOLD
Emkay vs Co	onsen	sus		
	EPS E	stima	tes	
		F	Y23E	FY24E
Emkay			126.8	151.0
Consensus			132.7	161.9
Mean Conser	nsus T	P (12	N)	Rs 4,119
Stock Details	5			
Bloomberg C	ode		COF	ORGE IN
Face Value (F	₹s)			10
Shares outsta	anding	(mn)		61
52 Week H/L			6,1	35 / 3,210
M Cap (Rs br	n/USD	bn)	2	235 / 2.84
Daily Avg Vol				348,729
Daily Avg Tur	nover	(US\$	mn)	15.4
Shareholding	g Patt	ern Ju	un '22	
Promoters				40.1%
FIIs				21.9%
DIIs				25.9%
Public and Ot	hers			12.2%
Price Perform	nance)		
(%)	1M	3M	6N	12M
Absolute	16	9	(3)) (34)
Rel. to Nifty	17	3	(5)) (31)
Relative pric	e cha	rt		
6125 Rs				% 20
5540 -				- 8
4955 -	1			4
4370 -	hyp	L.	А.,	16
3785 -		W	y hy h	-28
3200 Oct-21Dec-21	Feb-22	Apr-22 4	<u>ν</u> μη_22 Διν	
	E IN Equity			lel to Nifty (RHS)
Source: Bloom				*

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

Ayush Bansal

ayush.bansal@emkayglobal.com +91 22 6612 1344

Ruchita Agarwal

ruchita.agarwal@emkayglobal.com +91 22 6624 2450

Source: Company, Emkay Research

Emkay Research is also available on www.emkayglobal.com and Bloomberg EMKAY<GO>. Please refer to the last page of the report on Restrictions on Distribution. In Singapore, this research report or research analyses may only be distributed to Institutional Investors, Expert Investors or Accredited Investors as defined in the Securities and Futures Act, Chapter 289 of Singapore.

Exhibit 1: Result snapshot (Q2FY23)

In Rs mn	Q2FY23	Q1FY23	QoQ (%)	Q2FY22	YoY(%)
Net sales (US\$ mn)	247.1	239.2	3.3	212.4	16.4
Net sales (INR Mn)	19,594	18,294	7.1	15,694	24.9
Revenues (ex Hedge losses/gains)	19,605	18,255	7.4	15,642	25.3
Operating expenses	16,150	15,376		12,957	
EBITDA	3,444	2,918	18.0	2,737	25.8
Margins (%)	17.6	16.0	160	17.4	10
Depreciation	614	630		598	
EBIT	2,830	2,288	23.7	2,139	32.3
Margins (%)	14.4	12.5	194	13.6	80
Other income	-150.0	-76.0		-77.0	
Pre-tax profit	2,680	2,212	21.2	2,062	30.0
Tax provided	474.0	493.0		446.0	
Profit after tax	2,206	1,719		1,616	
Minority Interest	195.0	222.0		148.0	
Emkay Net profit	2,011	1,497	34.3	1,468	37.0
EPS, Rs	33.0	24.6	34.3	24.2	36.3

Source: Company, Emkay Research

Exhibit 2: Actuals vs. Estimates (Q2FY23)

(Do mm)	Astual	Est	imate	% va	ariation	Comment
(Rs mn)	Actual	Emkay	Consensus	Emkay	Consensus	Comment
Net revenue (US\$ mn)	247.1	247	247	0.1%	0.2%	Revenue growth was in-line with our estimates
Sales	19,594	19,633	19,685	-0.2%	-0.5%	
EBIT	2,830	2,788	2,833	1.5%	-0.1%	Margins were a tad better than our estimates
EBIT, margin	14.4%	14.2%	14.4%	20 bps	10 bps	
РАТ	2,011	1,840	1,916	9.3%	5.0%	PAT beat expectations due to lower ETR and non-controlling interests.

Source: Company, Emkay Research

Exhibit 3: Changes in estimates

		FY23E			FY24E			FY25E	
(Rs mn, except EPS)	Old	New	% change	Old	New	% change	Old	New	% change
Revenue (US\$ mn)	996	999	0.3%	1,118	1,121	0.3%	1,275	1,278	0.2%
YoY growth, %	15.0%	15.3%		12.3%	12.2%		14.0%	14.0%	
Revenue	79,094	79,285	0.2%	90,583	90,812	0.3%	104,540	104,767	0.2%
EBIT	11,153	11,303	1.3%	12,875	13,075	1.5%	15,045	15,313	1.8%
EBIT margin, %	14.1	14.3		14.2	14.4		14.4	14.6	
Net Profits	7,407	7,728	4.3%	8,881	9,202	3.6%	10,671	11,073	3.8%
EPS (Rs)	121.6	126.8	4.3%	145.8	151.0	3.6%	175.2	181.8	3.8%

Source: Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 10/21/2022 11:50 AM

Emkay Research is also available on www.emkayglobal.com and Bloomberg EMKAY<BO>. Please refer to the last page of the report on Restrictions on Distribution. In Singapore, this research report or research analyses may only be distributed to Institutional Investors, Expert Investors or Accredited Investors as defined in the Securities and Futures Act, Chapter 289 of Singapore.

Key Financials (Consolidated)

Income Statement

Y/E Mar (Rs mn)	FY21	FY22	FY23E	FY24E	FY25E
Revenue	46,628	64,320	79,285	90,812	104,767
Expenditure	38,727	53,301	65,368	74,824	86,256
EBITDA	7,901	11,019	13,918	15,988	18,510
Depreciation	1,836	2,272	2,615	2,914	3,197
EBIT	6,065	8,747	11,303	13,075	15,313
Other Income	77	(132)	(514)	(477)	(363)
Interest expenses	0	0	0	0	0
РВТ	6,142	8,615	10,789	12,598	14,950
Тах	1,302	1,468	2,264	2,898	3,438
Extraordinary Items	180	0	0	0	0
Minority Int./Income from Assoc.	104	530	797	499	439
Reported Net Income	4,916	6,617	7,728	9,202	11,073
Adjusted PAT	4,736	6,617	7,728	9,202	11,073

Balance Sheet

Y/E Mar (Rs mn)	FY21	FY22	FY23E	FY24E	FY25E
Equity share capital	606	609	609	609	609
Reserves & surplus	24,055	26,722	31,282	36,584	42,174
Net worth	24,661	27,331	31,891	37,194	42,783
Minority Interest	0	983	1,780	2,279	2,718
Loan Funds	5	3,545	3,365	3,365	3,365
Net deferred tax liability	(1,253)	(1,970)	(1,970)	(1,970)	(1,970)
Total Liabilities	23,413	29,889	35,066	40,867	46,896
Net block	10,206	20,749	19,914	18,980	18,113
Investment	124	0	0	0	0
Current Assets	23,254	25,973	33,772	38,437	46,902
Cash & bank balance	8,122	4,535	8,096	9,504	13,764
Other Current Assets	2,605	4,403	5,373	6,131	7,049
Current liabilities & Provision	10,173	16,919	18,707	16,636	18,206
Net current assets	13,081	9,054	15,066	21,801	28,697
Misc. exp	0	0	0	0	0
Total Assets	23,413	29,889	35,066	40,867	46,896

Cash Flow FY23E Y/E Mar (Rs mn) FY21 FY22 FY24E FY25E 14,874 PBT (Ex-Other income) (NI+Dep) 6,141 8,217 10,506 12,576 Other Non-Cash items 926 239 0 0 0 Chg in working cap 502 (1,433) (2,507)(2,420) (2,635)**Operating Cashflow** 7,623 7,656 8,633 10,195 12,073 Capital expenditure (2,448)(10,761)(1,780)(4,888) (2,330)**Free Cash Flow** 6,853 5,307 9,743 5,175 (3,105) Investments 21 450 0 0 0 0 Other Investing Cash Flow 0 0 0 0 **Investing Cashflow** (2,354) (10,293) (1,780) (4,888) (2, 330)Equity Capital Raised (4,148) 51 0 0 0 Loans Taken / (Repaid) (306) 3,519 (180)0 0 (5,483) Dividend paid (incl tax) (686) (3,899) (3,748) (3,168) Other Financing Cash Flow 0 0 0 0 0 **Financing Cashflow** (5,531) (829) (3,348)(3,899) (5,483) Net chg in cash (262) (3,466) 3,505 1,408 4,260 Opening cash position 8,195 7,999 4,468 7,973 9,381 **Closing cash position** 8,122 4,535 8,096 9,504 13,764

Source: Company, Emkay Research

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 10/21/2022 11:50 AM

Emkay Research is also available on www.emkayglobal.com and Bloomberg EMKAY<GO>. Please refer to the last page of the report on Restrictions on Distribution. In Singapore, this research report or research analyses may only be distributed to Institutional Investors, Expert Investors or Accredited Investors as defined in the Securities and Futures Act, Chapter 289 of Singapore.

Profitability (%)	FY21	FY22	FY23E	FY24E	FY25E
EBITDA Margin	16.9	17.1	17.6	17.6	17.7
EBIT Margin	13.0	13.6	14.3	14.4	14.6
Effective Tax Rate	21.2	17.0	21.0	23.0	23.0
Net Margin	10.4	11.1	10.8	10.7	11.0
ROCE	26.4	32.3	33.2	33.2	34.1
ROE	19.5	25.5	26.1	26.6	27.7
RoIC	32.8	35.9	34.2	34.6	36.7
Per Share Data (Rs)	FY21	FY22	FY23E	FY24E	FY25E
EPS	78.2	108.6	126.8	151.0	181.8
CEPS	108.5	145.9	169.8	198.9	234.2
BVPS	407.0	448.7	523.5	610.5	702.3
DPS	13.0	52.0	52.0	64.0	90.0
Valuations (x)	FY21	FY22	FY23E	FY24E	FY25E
PER	49.4	35.5	30.4	25.5	21.2
P/CEPS	35.6	26.4	22.7	19.4	16.5
P/BV	9.5	8.6	7.4	6.3	5.5
EV / Sales	4.8	3.6	2.9	2.5	2.1
EV / EBITDA	28.6	21.2	16.5	14.3	12.1
Dividend Yield (%)	0.3	1.3	1.3	1.7	2.3
Gearing Ratio (x)	FY21	FY22	FY23E	FY24E	FY25E
Net Debt/ Equity	(0.3)	0.0	(0.1)	(0.2)	(0.2
Net Debt/EBIDTA	(1.0)	(0.1)	(0.3)	(0.4)	(0.6
Working Cap Cycle (days)	38.8	25.6	32.1	49.4	52.0
Growth (%)	FY21	FY22	FY23E	FY24E	FY25E
Revenue	11.4	37.9	23.3	14.5	15.4
EBITDA	9.2	39.5	26.3	14.9	15.8
EBIT	10.2	44.2	29.2	15.7	17.1
PAT	7.3	34.6	16.8	19.1	20.3
Quarterly (Rs mn)	Q2FY22	Q3FY22	Q4FY22	Q1FY23	Q2FY23
• • •					19,594
Revenue	15,694	16,581 3,020	17,429	18,294	,
		3.020	3,293	2,918	3,444
EBITDA	2,737		44.4	47.4	40 4
EBITDA Margin (%)	16.9	16.8	14.4	17.4	
EBITDA Margin (%) PAT	16.9 1,468	16.8 1,837	2,077	1,497	18.2 2,011
EBITDA Margin (%)	16.9	16.8			2,011
EBITDA Margin (%) PAT EPS (Rs)	16.9 1,468	16.8 1,837	2,077	1,497	2,01 ² 33.(
EBITDA Margin (%) PAT EPS (Rs) Source: Company, Emkay Research	16.9 1,468 24.2	16.8 1,837 30.2	2,077 34.1	1,497 24.6	2,01 ² 33.(Jun-22
EBITDA Margin (%) PAT EPS (Rs) Source: Company, Emkay Research Shareholding Pattern (%)	16.9 1,468 24.2 Jun-21	16.8 1,837 30.2 Sep-21	2,077 34.1 Dec-21	1,497 24.6 Mar-22	2,01 ² 33.(Jun-22 40.2
EBITDA Margin (%) PAT EPS (Rs) Source: Company, Emkay Research Shareholding Pattern (%) Promoters	16.9 1,468 24.2 Jun-21 55.7	16.8 1,837 30.2 Sep-21 50.2	2,077 34.1 Dec-21 50.0	1,497 24.6 Mar-22 40.1	

Source: Capitaline

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 10/21/2022 11:50 AM

Emkay Research is also available on www.emkayglobal.com and Bloomberg EMKAY<GO>. Please refer to the last page of the report on Restrictions on Distribution. In Singapore, this research report or research analyses may only be distributed to Institutional Investors, Expert Investors or Accredited Investors as defined in the Securities and Futures Act, Chapter 289 of Singapore.

RECOMMENDATION HISTORY TABLE

Date	Closing Price	ТР	Period (months)	Rating	Analyst
3-Oct-22	3,329	3,400	12m	Hold	Dipeshkumar Mehta
22-Jul-22	3,726	3,400	12m	Hold	Dipeshkumar Mehta
23-Jun-22	3,679	3,400	12m	Hold	Dipeshkumar Mehta
12-May-22	3,654	4,100	12m	Hold	Dipeshkumar Mehta
1-Apr-22	4,415	5,050	12m	Hold	Dipeshkumar Mehta
22-Feb-22	4,418	5,050	12m	Hold	Dipeshkumar Mehta
28-Jan-22	4,713	5,300	12m	Hold	Dipeshkumar Mehta
1-Jan-22	5,890	5,400	12m	Hold	Dipeshkumar Mehta
30-Nov-21	5,432	5,400	12m	Hold	Dipeshkumar Mehta
26-Oct-21	5,088	5,100	12m	Hold	Dipeshkumar Mehta
2-Oct-21	5,280	4,550	12m	Sell	Dipeshkumar Mehta
27-Aug-21	5,077	4,550	12m	Sell	Dipeshkumar Mehta
29-Jul-21	5,172	3,930	12m	Sell	Dipeshkumar Mehta
2-Jul-21	4,197	3,700	12m	Sell	Dipeshkumar Mehta
7-May-21	3,381	3,150	12m	Hold	Dipeshkumar Mehta
12-Apr-21	3,118	2,740	12m	Hold	Dipeshkumar Mehta
5-Apr-21	3,037	2,740	12m	Hold	Dipeshkumar Mehta
18-Mar-21	2,874	2,740	12m	Hold	Dipeshkumar Mehta
29-Jan-21	2,393	2,740	12m	Hold	Dipeshkumar Mehta
4-Jan-21	2,839	2,740	12m	Hold	Dipeshkumar Mehta
18-Dec-20	2,557	2,500	12m	Hold	Dipeshkumar Mehta
23-Oct-20	2,380	2,500	12m	Hold	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 10/21/2022 11:50 AM

Emkay Research is also available on www.emkayglobal.com and Bloomberg EMKAY<BO>. Please refer to the last page of the report on Restrictions on Distribution. In Singapore, this research report or research analyses may only be distributed to Institutional Investors, Expert Investors or Accredited Investors as defined in the Securities and Futures Act, Chapter 289 of Singapore.

Emkay Alpha Portfolio – Information Technology

EAP sector portfolio

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.

Company Name	BSE200 Weight	EAP Weight	OW/UW (%)	OW/UW (bps)	EAP Weight based on Current NAV	Change vs last published EAP (bps)
Information Technology	11.51	11.29	-2%	-22	100.00	
BirlaSoft	0.00	0.01	NA	1	0.09	0
Coforge	0.13	0.00	-100%	-13	0.00	0
Firstsource Solutions	0.00	0.02	NA	2	0.19	0
HCL Tech	1.01	1.06	5%	5	9.22	0
Infosys	5.21	5.31	2%	9	46.10	0
L&T Infotech	0.21	0.00	-100%	-21	0.00	0
Mindtree	0.19	0.32	66%	13	2.79	0
Mphasis	0.17	0.19	11%	2	1.62	0
Oracle Financial Services*	0.07	0.00	-100%	-7	0.00	0
Persistent Systems	0.18	0.19	6%	1	1.63	0
TCS	3.07	2.97	-3%	-9	25.82	0
Tech Mahindra	0.62	0.64	3%	2	5.53	0
Wipro	0.54	0.58	9%	5	5.06	0
Zomato	0.12	0.17	35%	4	1.43	0
Cash	0.00	0.22	NA	22	1.94	0

Source: Emkay Research

High Conviction/Strong Over Weight

Sector portfolio NAV

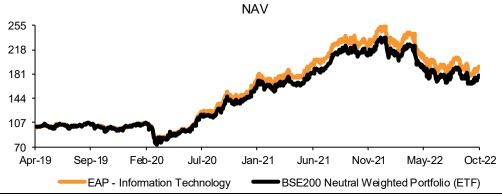
	Base					Latest
	1-Apr-19	18-Oct-21	20-Apr-22	21-Jul-22	19-Sep-22	19-Oct-22
EAP - Information Technology	100.0	236.2	214.2	193.9	181.4	190.3
BSE200 Neutral Weighted Portfolio (ETF)	100.0	221.1	198.2	179.5	167.8	176.3

*Performance measurement base date 1st April 2019 Source: Emkay Research

Price Performance (%)

	1m	3m	6m	12m
EAP - Information Technology	4.9%	-1.9%	-11.2%	-19.4%
BSE200 Neutral Weighted Portfolio (ETF)	5.1%	-1.7%	-11.0%	-20.3%
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"

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 10/21/2022 11:50 AM

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: 21 Oct 2022 03:45:35 (SGT) Dissemination Date: 21 Oct 2022 03:46:35 (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. Emkay may have issued or may issue other reports that are inconsistent with and reach different conclusion from the information, recommendations or information presented in this report or are contrary to those contained in this report. Emkay Investors may visit www.emkayglobal.com to view all Research Reports. The views and opinions expressed in this document may or may not match or may be contrary with the views, estimates, rating, and target price of the research published by any other analyst or by associate entities of Emkay; our proprietary trading, investment businesses or other associate entities may make investment decisions that are 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 distributed in Canada or 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 10/21/2022 11:50 AM

Enkary Research is also available on www.emkayglobal.com and Bloomberg EMKAY<GO>. Please refer to the last page of the report on Restrictions on Distribution. In Singapore, this research report or research analyses may only be distributed to Institutional Investors, Expert Investors or Accredited Investors as defined in the Securities and Futures Act, Chapter 289 of Singapore.

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 October 21, 2022
- 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 October 21, 2022.
- 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 October 21, 2022
- 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 October 21, 2022

This report is intended for team.emkay@whitemarquesolutions.com use and downloaded at 10/21/2022 11:50 AM

Emkay Research is also available on www.emkayglobal.com and Bloomberg EMIKAY<GO>. Please refer to the last page of the report on Restrictions on Distribution. In Singapore, this research report or research analyses may only be distributed to Institutional Investors, Expert Investors or Accredited Investors as defined in the Securities and Futures Act, Chapter 289 of Singapore.

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 10/21/2022 11:50 AM

Emkay Research is also available on www.emkayglobal.com and Bloomberg EMKAY<BO>. Please refer to the last page of the report on Restrictions on Distribution. In Singapore, this research report or research analyses may only be distributed to Institutional Investors, Expert Investors or Accredited Investors as defined in the Securities and Futures Act, Chapter 289 of Singapore.