



DBS

Wipro



Your success is our success

Refer to important disclosures at the end of this report

Guidance, commentary suggest FY20 to be another year of underperformance

Target Price Rs 281 Rs 230 (=) as of (October 24, 2018) Rating **Upside** SELL (■) (18.1) %

Change in Estimates

CMP

- Wipro reported weak Q4FY19 results, with 1% CC revenue growth qoq for the quarter vs. our expectation of 1.5% CC growth. EBIT margin declined 80bps gog to 19% for its IT services business, in line with our expectations.
- Soft Q1FY20 guidance (-1% to +1% CC growth) and modest outlook in its commentary for three key business verticals (Healthcare, Manufacturing, BFSI - account for 53% of revenues) indicates no change in business momentum as we enter FY20.
- Wipro's right-sizing strategy, i.e., selling non-core businesses, should have a negative impact to the topline of 1.5% yoy but margins should see ~100bps gain in FY20E. With management not confirming the end of the strategy, we can see more on this in FY20.
- While weak results and a modest outlook have led to a marginal cut in our revenue growth expectations, our EPS estimates remain largely unchanged due to the buyback-led EPS accretion. Maintain Sell rating with a TP of Rs230, valuing it at 13x FY21E EPS.

Ongoing internal transformation should have 150bps drag on FY20 growth

Wipro has shared a mixed FY20E commentary as it continues to remain positive on its outlook given the strong double-digit growth in order book, strong pipeline, and robust growth in its Digital business (32% yoy). However, weak commentary for Healthcare and Manufacturing verticals along with the ongoing right-sizing exercise (exited the Hosted Data-center and Workday implementation businesses in FY19) imply sustained growth underperformance for the company in FY20E. The BFSI business may remain soft in FY20 as it has turned cautious on prospects from US/European banks now and should see a change in business leadership (Shaji Faroog is expected to take some time off due to health reasons). Business divestitures have helped in improving cash flows, driven by reduced working capital requirements and cash inflows on the sale of assets. The exercise should also result in better business mix in the future and thus help in achieving improved growth rates, better profitability, and superior cash generation in the medium- to long term. However, in the near term, the net impact on earnings is expected to be neutral (FY20/21E).

Slow transition to weigh on valuations; Maintain Sell with a TP of Rs230

Wipro's troubles to revive its growth seems unending as it delivered a modest 1.6% USD revenue growth in a year of strong traction in global IT spends (as per Gartner estimates, CY18 witnessed IT spend growth of 5.5% vs. average growth of ~1.5% over CY12-17). Given its past performance and mixed outlook, we believe that Wipro's performance may have a material bearing if any deterioration in global macros occur and that remains a key risk to our estimates. We maintain our Sell rating on the stock, with a TP of Rs230, valuing it at 13x FY21E EPS; implied ~2x on PEG).

Please see our sector EAP (Page 10): Emkay Alpha Portfolio - Information Technology

Financial Snanshot (Consolidated)

(Rs mn)	FY17	FY18	FY19	FY20E	FY21E
Revenue	5,54,179	5,46,359	5,90,606	6,19,739	6,69,117
EBITDA	1,12,904	1,05,418	1,16,521	1,30,445	1,42,492
EBITDA Margin (%)	20.4	19.3	19.7	21.0	21.3
APAT	82,723	80,046	87,213	93,549	1,02,579
EPS (Rs)	12.8	12.8	14.5	16.2	18.0
EPS (% chg)	(5.8)	0.3	13.0	11.7	11.2
ROE (%)	16.8	16.0	16.6	16.8	17.3
P/E (x)	22.0	21.9	19.4	17.4	15.6
EV/EBITDA (x)	14.3	15.1	12.0	10.4	8.8
P/BV (x)	3.5	3.6	3.0	3.0	2.5

Source: Company, Emkay Research

uma	.62		
0E/F	Y21E (%	6)	(3)/(1)
hange	e (%)		-
(Mon	ths)		12
)			SELL
nsen	sus		
PS E	stimat	es	
	F۱	/20E	FY21E
		16.2	18.0
		16.6	17.7
sus T	P (12M)	Rs 254
i			
ode		٧	VPRO IN
Rs)			2
nding	(mn)		6,034
		:	297 / 190
/USD	bn)	1,69	5 / 24.34
ıme (ı	nos.)	9	5,91,267
nover	(US\$ m	nn)	36.7
Patt	ern Ma	r '19	
			74.3%
			8.6%
			6.5%
ners			10.6%
nance)		
1M	3M	6M	12M
7	11	17	29
3	3	5	15
	oE/F` hange (Mon o) nsen EPS E sus T de de ds) nding /USD ume (nover patt	hange (%) (Months) nsensus PS Estimate FY sus TP (12M ode Rs) nding (mn) //USD bn) ume (nos.) nover (US\$ m pattern Ma ners nance 1M 3M 7 11	0E/FY21E (%) hange (%) (Months) 0 nsensus EPS Estimates FY20E 16.2 16.6 sus TP (12M) dde V 2s) nding (mn) /USD bn) 1,699 ume (nos.) 9 nover (US\$ mn) 1 Pattern Mar '19 hers hance 1M 3M 6M 7 11 17

240 Aug-18 Oct-18 Feb-19

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

Rahul Jain

rahul.jain@emkayglobal.com

+91 22 6612 1253

Source: Bloomberg

Relative price chart

Devanshu Bansal

devanshu.bansal@emkayglobal.com +91 22 6612 1385

Exhibit 1: Actual vs. Estimates

(in Rs mn)	Actual	Esti	mate	% variation		Comment
(III KS IIIII)	Actual	Emkay	Consensus	Emkay	Consensus	Comment
Revenues (in US\$ mn)	2,076	2,083	2,175	-0.4%	-4.6%	USD revenues were below estimate
Sales	1,51,925	1,51,881	1,50,694	0.0%	0.8%	Lower realisations led to in-line revenues in INR terms
EBIT	27,320	27,768	27,489	-1.6%	-0.6%	Higher than expected loss in Products business led to EBIT miss
EBIT, margin	18.0%	18.3%	18.2%	-30 bps	-30 bps	EBIT margins were lower than expected
PAT	24,835	24,711	24,892	0.5%	-0.2%	Higher interest income led to PAT beat

Source: Company, Emkay Research

Exhibit 2: Quarterly Snapshot

Exhibit 2: Quarterly Shapshot										
Rs mn	Q4FY18	Q1FY19	Q2FY19	Q3FY19	Q4FY19	YoY (%)	QoQ (%)	FY19	FY18	YoY (%)
IT services Revenues (USDmn)	2,062	2,027	2,041	2,047	2,076	0.7	1.4	8,190	8,060	1.6
Revenue	1,38,243	1,40,548	1,46,627	1,51,506	1,51,925	9.9	0.3	5,90,606	5,46,359	8.1
Operating Expenditure	1,18,858	1,19,771	1,26,280	1,22,838	1,24,605	4.8	1.4	4,93,494	4,62,065	6.8
Cost of revenues	97,794	1,00,350	1,01,770	1,02,502	1,06,942	9.4	4.3	4,11,564	3,85,575	6.7
as % of sales	70.7	71.4	69.4	67.7	70.4			69.7	70.6	
SG&A expenses	21,064	19,421	24,510	20,336	17,663	(16.1)	(13.1)	81,930	76,490	7.1
as % of sales	15.2	13.8	16.7	13.4	11.6			13.9	14.0	
EBIT	19,385	20,777	20,347	28,668	27,320	40.9	(4.7)	97,112	84,294	15.2
Other Income	3,236	6,024	3,856	3,742	4,683	44.7	25.1	18,305	18,181	0.7
PBT	22,621	26,801	24,203	32,410	32,003	41.5	(1.3)	1,15,417	1,02,475	12.6
Total Tax	4,615	5,865	5,347	6,966	7,064	53.1	1.4	25,242	22,390	12.7
Adjusted PAT	18,006	20,936	18,856	25,444	24,939	38.5	(2.0)	90,175	80,085	12.6
APAT after MI	18,028	21,206	18,889	25,103	24,835	37.8	(1.1)	90,033	80,058	12.5
Reported PAT	18,028	21,206	18,889	25,103	24,835	37.8	(1.1)	90,033	80,058	12.5
Reported EPS	3.0	3.5	3.1	4.2	4.1	37.6	(1.1)	15	13	16.7
Margins (%)						(bps)	(bps)			(bps)
EBIT	14.0	14.8	13.9	18.9	18.0	396	(94)	16.4	15.4	101
EBT	16.4	19.1	16.5	21.4	21.1	470	(33)	19.5	18.8	79
PAT	13.0	15.1	12.9	16.6	16.3	331	(22)	15.2	14.7	59
Effective Tax rate	20.4	21.9	22.1	21.5	22.1	167	58	21.9	21.8	2

Source: Company, Emkay Research

ED: ANISH MATHEW SA: DHANANJAY SINHA April 16, 2019 | 2

FY18

FY19

Changes in estimates

Our growth estimates have decreased slightly due to divestment of Workday business in Q4FY19 and expected weakness in key verticals (~53% of sales) in FY20. Our margin estimates improve slightly due to exit in a relatively low margin Workday business. However, our EPS estimates remain largely unchanged due to buyback led EPS accretion.

Exhibit 3: Changes in estimates

(All fig in Rs mn	FY19A			FY20E			FY21E		
except EPS)	Old	New	% Chg.	Old	New	% Chg.	Old	New	% Chg.
IT Services Revenues(USDmn)	8,186	8,190	0.0	8,638	8,596	-0.5	9,224	9,195	-0.3
YoY growth, %	1.6%	1.6%		5.5%	5.0%		6.8%	7.0%	
Revenues	5,90,259	5,90,606	0.1	6,39,211	6,19,739	-3.0	6,79,839	6,69,117	-1.6
EBIT	97,525	97,049	-0.5	1,14,465	1,11,852	-2.3	1,22,306	1,22,419	0.1
EBIT mgns, %	16.5	16.4		17.9	18.0		18.0	18.3	
Net profits	87,165	87,213	0.1	1,01,777	93,549	-8.1	1,09,068	1,02,579	-5.9
EPS	14.5	14.5	0.1	16.7	16.2	-2.9	18.1	18.0	-0.6

Source: Company, Emkay Research

Exhibit 4: Key Assumptions

Metric	FY19	FY20E	FY21E
USD Revenues growth	1.6%	5.0%	7.0%
USD/INR	70.2	70.0	71.0
INR growth	8.1%	4.9%	8.0%
EBIT Margins	16.4	18.0	18.3
EPS growth (%)	12.8%	11.7%	11.2%

Source: Company, Emkay Research

Exhibit 5: Revenue growth and Cost Analysis over the years

IT Services Sales (USDmn)	7,346	7,705	8,060	8,190
Overall INR Sales (Rsmn)	5,16,307	5,54,179	5,46,359	5,90,606
YoY growth	FY16	FY17	FY18	FY19
CC growth	7.6	7.0	2.9	5.4
USD growth	3.7	4.9	4.6	1.6
INR growth	9.1	7.3	-1.4	8.1

FY17

FY16

Cost Analysis (% of sales)	FY16	FY17	FY18	FY19
Employee Costs	53.1	51.6	51.3	53.6
Subcontractor Costs	13.1	14.9	15.5	16.0
S,G&A Expense	12.2	13.1	14.0	13.9
D&A Expense	2.9	4.2	3.9	3.3
EBIT Margins	18.7	16.2	15.4	13.1

Source: Company, Emkay Research

Emikay Research is also available on www.emikayglobal.com, Bloomberg EMIKAY<60>, Reuters and DOWJONES. DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd, its respective connected and associated corporations and affiliates are the distributors of the research reports, 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 6: Analysis of key operation

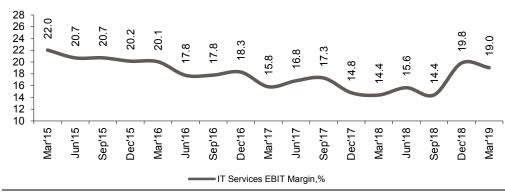
Verticals (% of sales)	FY16	FY17	FY18	FY19
Financial Services		25.7	28.0	30.9
Retail/CPG & Travel		15.8	15.8	16.0
Manufacturing		8.9	8.7	8.2
Lifesciences & Healthcare		15.7	14.1	13.1
CMT		20.9	20.4	19.2
Public Services		13.1	12.9	12.7
YoY USD Growth (%)				
Financial Services			14.2	12.1
Retail/CPG & Travel			4.9	2.9
Manufacturing			2.3	-4.2
Lifesciences & Healthcare			-6.1	-5.4
CMT			2.1	-4.4
Public Services			3.8	-0.1
Service Line (% of sales)	FY16	FY17	FY18	FY19
Digital			24.6	32.1
Non-Digital			75.4	67.9
YoY USD Growth (%)				
Digital				32.5
Non-Digital				-8.5
Geography (% of sales)	FY16	FY17	FY18	FY19
Americas	52.7	54.7	53.4	56.4
Europe	25.3	24.4	25.6	25.2
RoW	22.0	20.9	21.0	18.4
YoY USD Growth (%)				
Americas		8.9	2.1	7.2
Europe		1.1	9.8	0.2
RoW		-0.4	5.1	-11.0
Client Concentration (% of sales)	FY16	FY17	FY18	FY19
Top10	19.3	17.1	18.3	19.5
Non Top-10 clients	80.7	82.9	81.7	80.5
YoY Growth (%)			4.5	
Top10		-7.3	12.0	8.3
Non Top-10 clients		7.8	3.1	0.1
Number of clients	FY16	FY17	FY18	FY19
USD1mn+ clients	550	602	631	571
USD10mn+ clients	160	163	171	172
	160 33 9	163 34 9	171 39 8	172 41 10

Emkay Research is also available on www.emkayglobal.com, Bloomberg EMKAY<GO>, Reuters and DOWJONES. DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd, its respective connected and associated corporations and affiliates are the distributors of the research reports, 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

Concall Highlights

- Revenue growth: Wipro's 1.0% CC qoq growth was below our expectation of 1.5% for Q4FY19. Adjusted for the sale of the hosted data center business, Wipro has posted 5.4% CC growth for full-year FY19 vs. ~9.0%/11.4% CC growth for Infosys/TCS in FY19.
- EBIT margins: IT services EBIT margins stood at 19.0%, down ~80bps qoq in Q4FY19 and in line with our expectations. For full-year FY19, Wipro's EBIT margins have improved ~180bps yoy to 17.9%, largely due to the exit of the low-margin data center business and the reclassification of the India government business. Overall, business EBIT margins declined 90bps qoq to 18% in Q4FY19.

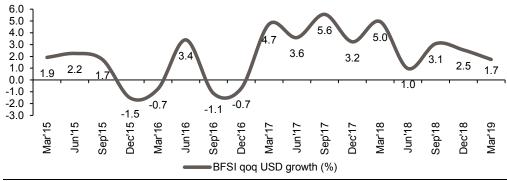
Exhibit 7: EBIT margins dropped due to absence of net one-off positive impact in Q3FY19 and INR appreciation (-40bps qoq impact)



Source: Company, Emkay Research

- Outlook: Wipro has provided a disappointing CC growth guidance of -1.0% to +1.0% qoq for Q1FY20. Seasonal weakness, completion of certain large programs, and delayed rampup in new projects were indicated to be the reasons behind the weak Q1FY20 guidance. However, Wipro indicated that FY20 will be a better year than FY19 in terms of growth due to a strong pipeline and good order bookings.
- **Buyback:** Wipro has announced the buyback of ~323mn equity shares at a price of Rs325 (~15% premium over CMP; Rs105bn overall buyback size; 5.35% of outstanding shares and ~18% of total cash reserves).
- BFSI: Wipro indicated that its BFSI vertical has grown at a strong pace at ~14/12% in FY18/FY19 in USD terms. However, growth in this vertical is expected to moderate in FY20, with a couple of large clients in Europe facing macro challenges. Wipro expects Retail and ENU verticals to do well in FY20, with Manufacturing and Healthcare expected to remain soft.

Exhibit 8: BFSI has witnessed strong qoq growth over the past 9 quarters



Source: Company, Emkay Research

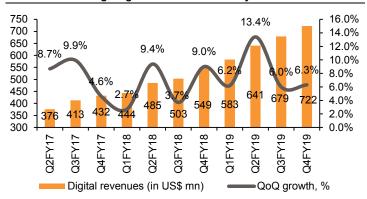
■ **Healthcare:** While Wipro indicated that core of the health business is robust, the decline in the HPS business is impacting both growth and margins (annualized run-rate has fallen by ~US\$130mn). However, Wipro stated that it is now trying to cross-sell services and leverage its reengineered HPS platform to grow this segment. The company expects uncertainty to continue for some more period in this vertical.

April 16, 2019 | 5

Emkay Research is also available on www.emkayglobal.com, Bloomberg EMKAY<GO>, Reuters and DOWJONES. DBS Bank Ltd, DBS Vickers Securities (Singapore) Pie Ltd, its respective connected and associated corporations and affiliates are the distributors of the research reports, 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

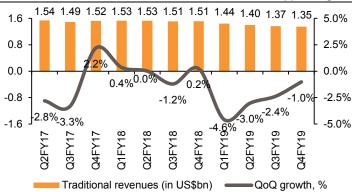
■ 6-Themed strategy: Wipro saved 11.3% efforts in Q4FY19 vs. 6.7% efforts in Q3FY19 across its Fixed-Price projects with the help of automation. Wipro has seen improved traction among its Top-10 clients that have continued to growth, with 9%/10% growth in FY18/FY19. Wipro's Digital revenues now contribute ~35% of its total revenues and have grown at a healthy rate of ~32% yoy in FY19. It has lower reliance on H1Bs, with 64% of its overall US workforce now being local hires.

Exhibit 9: While Digital growth has been healthy.....



Source: Emkay Research, Company

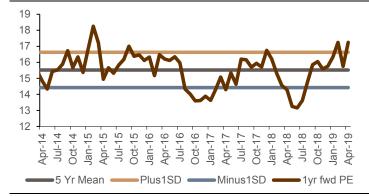
Exhibit 10: Growth in rest of the business has been disappointing



Source: Emkay Research, Company

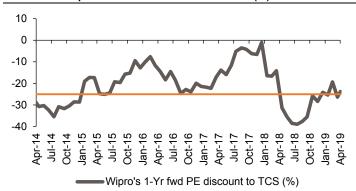
P/E Performance

Exhibit 11: Wipro' 5-Yr Historical 1-Yr fwd PE chart



Source: Company, Emkay Research

Exhibit 12: Wipro's 1-Yr fwd PE discount to TCS (%)



Source: Company, Emkay Research

Key Financials (Consolidated)

Income Statement

Y/E Mar (Rs mn)	FY17	FY18	FY19	FY20E	FY21E
Revenue	5,54,179	5,46,359	5,90,606	6,19,739	6,69,117
Expenditure	4,64,382	4,62,065	4,93,557	5,07,886	5,46,699
EBITDA	1,12,904	1,05,418	1,16,521	1,30,445	1,42,492
Depreciation	23,107	21,124	19,472	18,592	20,074
EBIT	89,797	84,294	97,049	1,11,852	1,22,419
Other Income	18,388	18,169	15,548	8,390	9,093
Interest expenses	0	0	0	0	0
PBT	1,08,185	1,02,463	1,12,597	1,20,243	1,31,512
Tax	25,214	22,390	25,242	26,694	28,933
Extraordinary Items	0	0	0	0	0
Minority Int./Income from Assoc.	248	27	142	0	0
Reported Net Income	82,723	80,046	87,213	93,549	1,02,579
Adjusted PAT	82,723	80,046	87,213	93,549	1,02,579

Balance Sheet

Y/E Mar (Rs mn)	FY17	FY18	FY19	FY20E	FY21E
Equity share capital	4,861	9,048	12,068	11,422	11,422
Reserves & surplus	5,15,443	4,73,888	5,56,048	5,35,110	6,24,841
Net worth	5,20,304	4,82,936	5,68,116	5,46,532	6,36,263
Minority Interest	2,391	2,410	2,637	2,637	2,637
Loan Funds	1,42,412	1,38,259	99,467	99,467	99,467
Net deferred tax liability	(8,492)	(22,198)	(22,790)	(22,790)	(22,790)
Total Liabilities	6,56,615	6,01,407	6,47,430	6,25,846	7,15,577
Net block	2,02,561	1,84,460	1,78,570	1,75,978	1,71,904
Investment	2,99,133	2,57,968	2,28,867	2,28,867	2,28,867
Current Assets	2,65,773	2,73,276	3,76,754	3,68,869	4,76,269
Cash & bank balance	50,718	40,926	1,58,529	1,35,406	2,24,204
Other Current Assets	67,201	81,058	86,532	93,385	1,00,826
Current liabilities & Provision	1,19,803	1,29,977	1,59,534	1,70,640	1,84,236
Net current assets	1,45,970	1,43,299	2,17,220	1,98,228	2,92,032
Misc. exp	0	0	0	0	0
Total Assets	6,56,615	6,01,407	6,47,430	6,25,846	7,15,577

Cash Flow

Y/E Mar (Rs mn)	FY17	FY18	FY19	FY20E	FY21E
PBT (Ex-Other income) (NI+Dep)	1,10,356	1,02,474	1,15,417	1,11,852	1,22,419
Other Non-Cash items	0	0	0	0	0
Chg in working cap	4,541	(936)	27,165	(4,132)	16,343
Operating Cashflow	92,773	84,233	1,16,318	99,619	1,29,902
Capital expenditure	(15,274)	(20,699)	5,262	(16,000)	(16,000)
Free Cash Flow	77,499	63,534	1,21,580	83,619	1,13,902
Investments	(1,17,518)	41,321	24,340	0	0
Other Investing Cash Flow	0	0	0	0	0
Investing Cashflow	(1,16,283)	35,578	50,126	(7,610)	(6,907)
Equity Capital Raised	(25,000)	(1,10,288)	4	(1,04,999)	0
Loans Taken / (Repaid)	13,119	(10,983)	(39,143)	0	0
Dividend paid (incl tax)	(8,734)	(5,420)	(5,434)	(10,133)	(34,197)
Other Financing Cash Flow	(1,412)	375	528	0	0
Financing Cashflow	(24,164)	(1,29,603)	(48,842)	(1,15,132)	(34,197)
Net chg in cash	(47,674)	(9,792)	1,17,603	(23,123)	88,798
Opening cash position	98,392	50,718	40,926	1,58,529	1,35,406
Closing cash position	50,718	40,926	1,58,529	1,35,406	2,24,204

Source: Company, Emkay Research

Emikay Research is also available on www.emikayglobal.com, Bloomberg EMIKAY<GO>, Reuters and DOWJONES. DBS Bank Ltd, DBS Vickers Securities (Singapore) Ple Ltd,its respective connected and associated corporations and affiliates are the distributors of the research reports, 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 Ratios

Profitability (%)	FY17	FY18	FY19	FY20E	FY21E
EBITDA Margin	20.4	19.3	19.7	21.0	21.3
EBIT Margin	16.2	15.4	16.4	18.0	18.3
Effective Tax Rate	23.3	21.9	22.4	22.2	22.0
Net Margin	15.0	14.7	14.8	15.1	15.3
ROCE	17.5	16.3	18.0	18.9	19.6
ROE	16.8	16.0	16.6	16.8	17.3
RoIC	28.4	28.8	37.0	47.0	51.2

Per Share Data (Rs)	FY17	FY18	FY19	FY20E	FY21E
EPS	12.8	12.8	14.5	16.2	18.0
CEPS	16.4	16.2	17.7	19.4	21.5
BVPS	80.4	77.4	94.4	94.5	111.6
DPS	2.0	1.3	1.0	1.5	5.0

Valuations (x)	FY17	FY18	FY19	FY20E	FY21E
PER	22.0	21.9	19.4	17.4	15.6
P/CEPS	16.1	16.3	14.9	13.6	12.3
P/BV	3.5	3.6	3.0	3.0	2.5
EV / Sales	2.9	2.9	2.4	2.2	1.9
EV / EBITDA	14.3	15.1	12.0	10.4	8.8
Dividend Yield (%)	0.7	0.5	0.4	0.5	1.8

Gearing Ratio (x)	FY17	FY18	FY19	FY20E	FY21E
Net Debt/ Equity	(0.4)	(0.3)	(0.5)	(0.5)	(0.6)
Net Debt/EBIDTA	(1.8)	(1.5)	(2.5)	(2.0)	(2.5)
Working Cap Cycle (days)	62.7	68.4	36.3	37.0	37.0

Growth (%)	FY17	FY18	FY19	FY20E	FY21E
Revenue	7.3	(1.4)	8.1	4.9	8.0
EBITDA	16.7	(6.6)	10.5	11.9	9.2
EBIT	(7.2)	(6.1)	15.1	15.3	9.4
PAT	(7.2)	(3.2)	9.0	7.3	9.7

Quarterly (Rs mn)	Q4FY18	Q1FY19	Q2FY19	Q3FY19	Q4FY19
Revenue	1,38,243	1,40,548	1,46,627	1,51,506	1,51,925
EBITDA	19,385	20,777	20,347	28,668	27,320
EBITDA Margin (%)	14.0	14.8	13.9	18.9	18.0
PAT	18,041	21,256	18,889	25,103	24,835
EPS (Rs)	3.0	3.5	3.1	4.2	4.1

Source: Company, Emkay Research

Shareholding Pattern (%)	Mar-18	Jun-18	Sep-18	Dec-18	Mar-19
Promoters	74.3	74.3	74.3	74.3	74.3
FIIs	9.3	8.7	8.5	8.5	8.6
DIIs	5.8	6.3	7.3	6.8	6.5
Public and Others	10.6	10.7	9.9	10.5	10.6

Source: Capitaline

Emkay Research is also available on www.emkayglobal.com, Bloomberg EMKAY<GO>, Reuters and DOWJONES. DBS Bank Ltd, DBS Vickers Securities (Singapore) Pte Ltd, its respective connected and associated corporations and affiliates are the distributors of the research reports, 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	TP	Period (months)	Rating	Analyst
08-Apr-19	264	230	12m	Sell	Rahul Jain
19-Jan-19	260	233	12m	Reduce	Rahul Jain
09-Jan-19	247	225	12m	Reduce	Rahul Jain
02-Jan-19	244	225	12m	Reduce	Rahul Jain
25-Oct-18	239	218	12m	Reduce	Rahul Jain
05-Oct-18	244	210	12m	Sell	Rahul Jain
20-Jul-18	212	218	12m	Hold	Rahul Jain
10-Jul-18	203	210	12m	Hold	Rahul Jain
06-Jul-18	197	210	12m	Hold	Rahul Jain
25-Apr-18	215	188	12m	Reduce	Rahul Jain
05-Apr-18	215	195	12m	Reduce	Rahul Jain
19-Jan-18	247	195	12m	Reduce	Rahul Jain
17-Oct-17	217	195	12m	Reduce	Rahul Jain
04-Oct-17	212	192	12m	Reduce	Rahul Jain
20-Sep-17	219	191	12m	Reduce	Rahul Jain
21-Jul-17	215	180	12m	Reduce	Rahul Jain
10-Jul-17	201	180	12m	Reduce	Rahul Jain
26-Apr-17	184	173	12m	Hold	Manik Taneja
25-Jan-17	178	180	12m	Hold	Manik Taneja
01-Nov-16	173	188	12m	Hold	Manik Taneja
21-Oct-16	187	201	12m	Hold	Manik Taneja
20-Jul-16	202	201	12m	Hold	Manik Taneja
21-Jun-16	210	218	12m	Hold	Manik Taneja
21-Apr-16	210	218	12m	Hold	Manik Taneja

RECOMMENDATION HISTORY CHART



Source: Bloomberg, Company, Emkay Research

Source: Company, Emkay Research

Note:

We have updated our Rating Distribution with effect from March 20, 2019 – <u>Kindly refer the Disclaimer page</u>, however for our erstwhile recommendations till March 19, 2019, the rating distribution of the expected total return stands as (**Buy** – Over 25%, **Accumulate** – Over 10%, **Hold** – Upto 10%, **Reduce** – Below 10%, **Sell** – Underperforms the broad market indices or its related universe).

Emkay Alpha Portfolio – Information Technology

EAP - Information Technology



Contact Details	
rahul.jain@emkayglobal.com	
+91 22 6612 1253	

IT Services, ITeS and Software

Analyst	hin.
AHAIVSI	DIO

Sector

Rahul Jain is a CFA (ICFAI) and comes with total 12 years of research experience in the Technology sector. His team currently covers 20 stocks in the Indian Technology space, with 12 belonging to IT Services, 3 to ITeS, and 5 to Software.

Company Name	EAP Weight (Normalised)	EAP Weight	BSE200 Weight	OW/UW (%)	OW/UW (bps)
Information Technology	100.00	11.36	11.36	0%	0
eClerx Services	0.00	0.00	0.00	NA	0
Firstsource Solutions	3.00	0.34	0.00	NA	34
HCL Tech	20.00	2.27	0.97	135%	130
Hexaware Technologies	0.00	0.00	0.00	NA	0
Infosys	15.00	1.70	4.78	-64%	-308
Intellect Design	3.00	0.34	0.00	NA	34
L&T Infotech	6.00	0.68	0.09	669%	59
Majesco	0.00	0.00	0.00	NA	0
Mindtree	0.00	0.00	0.17	-100%	-17
Mphasis	6.00	0.68	0.15	370%	54
MPS	2.00	0.23	0.00	NA	23
NIIT	0.00	0.00	0.00	NA	0
NIIT Tech	0.00	0.00	0.00	NA	0
Nucleus Software	3.00	0.34	0.00	NA	34
Oracle Financial Services	5.00	0.57	0.13	347%	44
Persistent Systems	2.00	0.23	0.00	NA	23
Ramco Systems	3.00	0.34	0.00	NA	34
TCS	32.00	3.64	3.57	2%	6
Tech Mahindra	0.00	0.00	0.84	-100%	-84
Wipro	0.00	0.00	0.66	-100%	-66
Cash	0.00	0.00	0.00	NA	0

Source: Emkay Research

Sector portfolio NAV

Returns by EAP on rolling basis						
Performance	NAV	3M	6M	12M		
EAP - Technology	100					
BSE 200 weighted portfolio	100					

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

Source: Emkay Research

[■] 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: 17 Apr 2019 04:11:09 (SGT) Dissemination Date: 17 Apr 2019 04:12:09 (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 the sender. Further, 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 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.

Emkay Research is also available on www.emkayglobal.com, Bloomberg EMKAY<GO>, Reuters and DOWJONES. DBS Bank Ltd, DBS Vickers Securities (Singapore) Ple Ltd, its respective connected and associated corporations and affiliates are the distributors of the research report or least 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

ED: ANISH MATHEW SA: DHANANJAY SINHA

April 16, 2019I 12

GENERAL DISCLOSURE/DISCLAIMER BY DBS BANK LTD AS DISTRIBUTOR OF THE RESEARCH REPORT

This report is solely intended for the clients of DBS Bank Ltd,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 DBS Bank Ltd.

The research set out in this report is based on information obtained from sources believed to be reliable, but we (which collectively refers to DBS Bank Ltd, its respective connected and associated corporations, affiliates and their respective directors, officers, employees and agents (collectively, the "DBS Group") have not conducted due diligence on any of the companies, verified any information or sources or taken into account any other factors which we may consider to be relevant or appropriate in preparing the research. Accordingly, we do not make any representation or warranty as to the accuracy, completeness or correctness of the research set out in this report. Opinions expressed are subject to change without notice. This research is prepared for general circulation. Any recommendation contained in this document does not have regard to the specific investment objectives, financial situation and the particular needs of any specific addressee. This document is for the information of addressees only and is not to be taken in substitution for the exercise of judgement by addressees, who should obtain separate independent legal or financial advice. The DBS Group accepts no liability whatsoever for any direct, indirect and/or consequential loss (including any claims for loss of profit) arising from any use of and/or reliance upon this document and/or further communication given in relation to this document. This document is not to be construed as an offer or a solicitation of an offer to buy or sell any securities. The DBS Group, along with its affiliates and/or persons associated with any of them may from time to time have interests in the securities mentioned in this document. The DBS Group, may have positions in, and may effect transactions in securities mentioned herein and may also perform or seek to perform broking, investment banking and other banking services for these companies. Any valuations, opinions, estimates, forecasts, ratings or risk assessments herein constitutes a judgment as of the date of this report, and there can be no assurance that future results or events will be consistent with any such valuations, opinions, estimates, forecasts, ratings or risk assessments. The information in this document is subject to change without notice, its accuracy is not guaranteed, it may be incomplete or condensed, it may not contain all material information concerning the company (or companies) referred to in this report and the DBS Group is under no obligation to update the information in this report. This publication has not been reviewed or authorized by any regulatory authority in Singapore, Hong Kong or elsewhere. There is no planned schedule or frequency for updating research publication relating to any issuer.

The valuations, opinions, estimates, forecasts, ratings or risk assessments described in this report were based upon a number of estimates and assumptions and are inherently subject to significant uncertainties and contingencies. It can be expected that one or more of the estimates on which the valuations, opinions, estimates, forecasts, ratings or risk assessments were based will not materialize or will vary significantly from actual results. Therefore, the inclusion of the valuations, opinions, estimates, forecasts, ratings or risk assessments described herein IS NOT TO BE RELIED UPON as a representation and/or warranty by the DBS Group (and/or any persons associated with the aforesaid entities), that: (a) such valuations, opinions, estimates, forecasts, ratings or risk assessments or their underlying assumptions will be achieved, and (b) there is any assurance that future results or events will be consistent with any such valuations, opinions, estimates, forecasts, ratings or risk assessments stated therein. Please contact the primary analyst for valuation methodologies and assumptions associated with the covered companies or price targets. Any assumptions made in this report that refers to commodities, are for the purposes of making forecasts for the company (or companies) mentioned herein. They are not to be construed as recommendations to trade in the physical commodity or in the futures contract relating to the commodity referred to in this report.

DBSVUSA, a US-registered broker-dealer, does not have its own investment banking or research department, has not participated in any public offering of securities as a manager or co-manager or in any other investment banking transaction in the past twelve months and does not engage in marketmaking.

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.

Emikay Research is also available on www.emikayglobal.com, Bloomberg EMKAY<GO>, Reuters and DOWJONES. DBS Bank Ltd, DBS Vickers Securities (Singapore) Ple Ltd, its respective connected and associated corporations and affiliates are the distributors of the research report or 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

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 April 16, 2019
- 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:
- 3. 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 April 16, 2019.
- 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 April 16, 2019
- 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 April 16, 2019

Emikay Research is also available on www.emikayglobal.com, Bloomberg EMKAY<GO>, Reuters and DOWJONES. DBS Bank Ltd, DBS Vickers Securities (Singapore) Ple Ltd, its respective connected and associated corporations and affiliates are the distributors of the research report or 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

COMPANY-SPECIFIC / REGULATORY DISCLOSURES BY DBS BANK LTD AS DISTRIBUTOR OF THE RESEARCH REPORT

- 1. DBS Bank Ltd., DBS HK, DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS") or their subsidiaries and/or other affiliates do not have a proprietary position in the securities recommended in this report as of 30 Apr 2018.
- 2. Neither DBS Bank Ltd nor DBS HK market makes in equity securities of the issuer(s) or company(ies) mentioned in this Research Report.

Compensation for investment banking services:

3. DBSVUSA, does not have its own investment banking or research department, nor has it participated in any public offering of securities as a manager or co-manager or in any other investment banking transaction in the past twelve months. Any US persons wishing to obtain further information, including any clarification on disclosures in this disclaimer, or to effect a transaction in any security discussed in this document should contact DBSVUSA exclusively.

Disclosure of previous investment recommendation produced:

4. DBS Bank Ltd. DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"), their subsidiaries and/or other affiliates 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 DBS Bank Ltd. DBS Vickers Securities (Singapore) Pte Ltd ("DBSVS"), their subsidiaries and/or other affiliates in the preceding 12 months.

RESTRICTIONS ON 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

Emkay Research is also available on www.emkayglobal.com, Bloomberg EMKAY<GO>, Reuters and DOWJONES. DBS Bank Ltd, DBS Vickers Securities (Singapore) Pie Ltd, its respective connected and associated corporations and affiliates are the distributors of the research reports, 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

SINGAPORE

DBS Bank Ltd

Contact: Janice Chua

12 Marina Boulevard, Marina Bay Financial Centre Tower 3

Singapore 018982 Tel. 65-6878 8888 Fax: 65 65353 418

e-mail: equityresearch@dbs.com Company Regn. No. 196800306E

THAILAND

DBS Vickers Securities (Thailand) Co Ltd

Contact: Chanpen Sirithanarattanakul 989 Siam Piwat Tower Building,

9th, 14th-15th Floor

Fax: 66 2 658 1269

Rama 1 Road, Pathumwan, Nagkok Thailand 10330 Tel. 66 2 857 7831

e-mail: research@th.dbs.com

Company Regn. No 0105539127012

Securities and Exchange Commission, Thailand

INDONESIA

PT DBS Vickers Sekuritas (Indonesia)

Contact: Maynard Priajaya Arif

DBS Bank Tower Ciputra World 1, 32/F Jl. Prof. Dr. Satrio Kav. 3-5 Jakarta 12940, Indonesia Tel. 62 21 3003 4900 Fax: 62 21 3003 4943

e-mail: research@id.dbsvickers.com

From.

Rahul Jain, BCOM, CFA (ICFAI) rahul.jain@emkayglobal.com +91 22 6612 1253