

Result Preview



Coforge

Cyient

HCL Tech.

Infosys

L&T Infotech

L&T Technology

Mindtree

Mphasis

Persistent Systems

TCS

Tech Mahindra

Wipro

Zensar Tech.

Continued margin pressure and FX to drag Q2 earnings

Commentary on weakening macro and adverse FX to be monitored

- Our IT Services coverage universe should deliver median revenue growth of 4.2% QoQ and 15.4% YoY in CC terms in 2QFY23E. Growth in EBIT/PAT (5.9%/9.1% QoQ) should be aided by seasonal margin improvement, although the impact is muted due to continued supply side pressure.
- With a weakening macro environment and looming fears of recession, we will be watchful of any moderation in the demand commentary across both Tier I and Tier II companies in the IT Services space. While our recent discussions with various managements indicate continued spends on technology services, we expect some impact across sectors (led by Retail and Manufacturing) for the remaining part of the year. The growth deficit in Tier I players v/s Tier II peers will further narrow in 2QFY23. We see a limited change in the FY23 revenue growth guidance of INFO, HCLT, COFORGE, and LTTS in 2Q, given the unchanged demand commentary.
- Despite 2Q being a seasonally strong quarter, revenue growth of Tier I companies should be ranging from 2.0% to 4.3% QoQ CC. While Tier II players are expected to grow in the (0.2) -5.1% range, CYL is expected to grow by 11.1% QoQ CC due to a meaningful contribution from recent acquisitions. Reported USD growth will be hit by 1.0-2.5% due to FX headwinds.
- Though slow-down in the US and Europe and a highly inflationary environment will impact 2HFY23 and FY24, on the longer term, demand would remain intact. We are trimming our FY23/FY24 INR EPS despite a positive impact due to the 300bp+ depreciation in INR (to 81.5/USD).
- The commentary on demand and impact of the weakening macro-economic outlook on deal conversion will be key monitorables.

INFO/CLY to lead revenue growth within the Tier I/midcap space

- We expect narrow revenue growth in the Tier I IT space, with INFO leading with a revenue growth of 4.3% QoQ CC, followed by WPRO/TCS at 4.2%/ 3.5%. HCLT/TECHM is expected to deliver 2.8%/2.0% QoQ CC growth.
- Among Tier II players, we expect CYL to grow 11.1% QoQ CC, buoyed by gains of ~900bp from recent acquisitions. We expect MTCL/PSYS/COFORGE to grow by ~5% CC.

Margin to remain mixed bag; Tier I players to see some margin recovery

- Operating leverage should result in some margin improvement in 2QFY23, although the gain will be modest due to continued supply-side pressure with elevated attrition and individual impact from wage hikes. While margins for Tier I companies will expand in the 10bp to 40bp range QoQ, Tier II pack will operate in a wider range (-90bp to 160bp). However, Zensar should see large 240bp sequential contraction on salary hikes along with revenue decline.
- Among Tier I players, margin recovery to remain muted for INFO and TECHM due to elevated supply pressures. In the Tier II pack, ZENT/PSYS/LTTS/CLY/MTCL to see a margin dip of -240/-90/-80/-80/-70bp QoQ, respectively, on account of wage hikes.

Mukul Garg - Research analyst (Mukul.Garg@MotilalOswal.com)

Raj Prakash Bhanushali - Research analyst (Raj.Bhanushali@MotilalOswal.com)

Investors are advised to refer through important disclosures made at the last page of the Research Report.

Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

- Attrition levels are expected to remain at elevated and supply will continue to stay constrained, leading to increased replacement costs. Freshers becoming billable should provide near term respite in terms of margin.
- We see pricing flow through as a key monitorable over the next few quarters as the commentary from across the universe is indicating partial price comfort on deals/renewals. The pricing should start reflecting in profits with some lag.
- INR has meaningfully appreciated against EUR and GBP as these currencies have depreciated against USD. This will have a meaningful impact on FY23 and FY24 earnings for our coverage companies.

Strong PAT growth despite FX headwinds on account of non-operational factors

- We expect our Tier I IT coverage universe to see a 9.6% QoQ PAT growth, and a 5.9% YoY growth. INFO/WPRO to see double digit QoQ PAT growth (10.8%/16.2%), driven by lower tax rate/interest income. While TCS/ TECHM/ HCLT should see 9.4%/8.2%/3.4% QoQ PAT growth.
- Tier II players are expected to report a relatively slower PAT growth than Tier I players at 4.6% QoQ, but YoY growth is expected to remain strong at 18.3%, driven by strong revenue growth (and margin expansion for a few names). COFORGE to see exceptional PAT growth (~29% QoQ), driven by strong margin recovery while ZENT will continue to struggle (33.5% QoQ decline in profits) due to declining revenues and the adverse impact of wage hike on margin (-240bps).

Prefer TCS/INFO/HCLT/MPHL

- NIFTY IT has underperformed NIFTY by 21% in last 6-months. With valuations correcting meaningfully over last one year (IT services sector P/E at 21.6x, down 35% from the peak and 30% YoY), we maintain our positive stance on the IT Services sector due to a favorable medium to long term demand outlook despite near term pain.
- We continue to prefer Tier I players over their Tier II counterparts, given their relative valuation attractiveness and diversified client portfolio. Among Tier I players, we prefer TCS, HCLT, and INFO. We expect INFO to deliver a top quartile growth, backed by strong deal wins and price revisions. HCLT is one of the key beneficiaries of Cloud adoption at scale, given its expertise in IMS. TCS remains best positioned to benefit from the long-term structural tailwinds in Tech Services and should see a relative pickup in growth, aided by the base effect and increased aggression.
- Among Tier II IT, we prefer MPHL and LTTS. We expect LTTS to deliver strong growth over the medium term (despite near-term hiccups), led by robust demand for ER&D services. MPHL continues to gain market share in a relatively stable BFSI space. Spends by its top clients continue to rise, while weakness in its Digital Risk business will be compensated by the bottoming out in the DXC business.

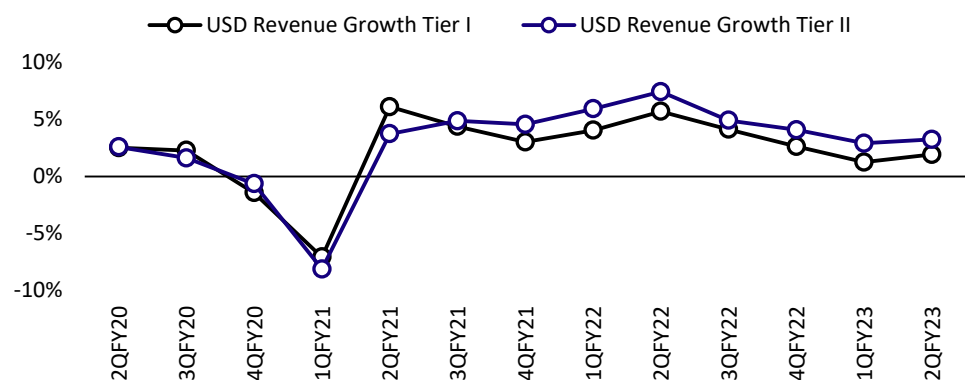
Exhibit 1: Expect Tier I revenue (USD) to grow by 2.1% QoQ

Company	Revenue (USD m)					Revenue (INR b)				
	2QFY23E	1QFY23	QoQ (%)	2QFY22	YoY (%)	2QFY23E	1QFY23	QoQ (%)	2QFY22	YoY (%)
TCS	6,912	6,780	1.9	6,333	9.1	551	528	4.4	469	17.5
INFO	4,580	4,444	3.1	3,998	14.6	365	345	5.9	296	23.3
WPRO	2,809	2,736	2.7	2,580	8.9	225	215	4.7	197	14.6
HCLT	3,065	3,025	1.3	2,791	9.8	244	235	4.1	207	18.3
TECHM	1,643	1,633	0.6	1,473	11.6	131	127	3.0	109	20.3
Tier I aggregate	19,009	18,617	2.1%	17,174	10.7	1,516	1,449	4.6%	1,277	18.8
Company	EBIT margin (%)					Adjusted PAT (INR b)				
	2QFY23E	1QFY23	QoQ	2QFY22	YoY	2QFY23E	1QFY23	QoQ (%)	2QFY22	YoY (%)
TCS	23.5	23.1	40.0	25.6	-210.0	104	95	9.4	97	7.9
INFO	20.2	20.1	10.0	23.6	-340.0	59	54	10.8	54	9.4
WPRO	15.1	14.8	30.0	17.8	-270.0	30	26	16.2	29	1.5
HCLT	17.3	17.0	30.0	19.0	-170.0	34	33	3.4	33	3.5
TECHM	11.1	11.0	10.0	15.2	-410.0	12	11	8.2	13	-7.4
Tier I aggregate	19.4	19.1	30.0	22.0	-260.0	240	219	9.6	226	5.9

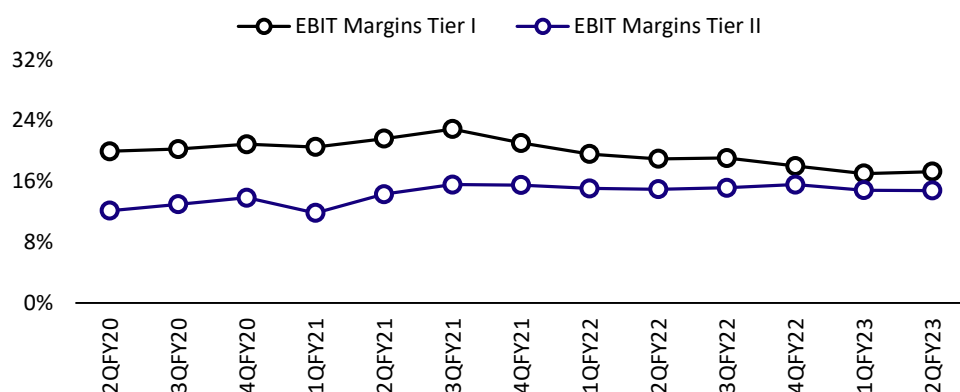
Exhibit 2: Expect Tier II revenue (USD) to grow by ~3% QoQ

Company	Revenue (USD m)					Revenue (INR b)				
	2QFY23E	1QFY23	QoQ (%)	2QFY22	YoY (%)	2QFY23E	1QFY23	QoQ (%)	2QFY22	YoY (%)
LTI	594	580	2.5	509	16.8	47	45	4.8	38	25.8
LTTS	249	240	4.0	217	14.6	20	19	5.9	16	23.5
MTCL	416	399	4.1	350	18.7	33	31	6.1	26	28.1
MPHL	441	436	1.1	385	14.4	35	34	3.6	28	23.4
COFORGE	245	239	2.5	213	15.0	20	18	6.6	16	24.3
PSYS	252	242	4.5	182	38.5	20	19	7.1	14	48.9
ZENT	152	156	-2.4	142	7.3	12	12	0.8	11	15.5
CYL	177	162	9.3	150	17.7	14	13	12.6	11	26.7
Tier II aggregate	2,526	2,453	3.0	2,149	17.5	201	191	5.6	159	26.7
Company	EBIT margin (%)					Adjusted PAT (INR b)				
	2QFY23E	1QFY23	QoQ	2QFY22	YoY	2QFY23E	1QFY23	QoQ (%)	2QFY22	YoY (%)
LTI	16.2	16.0	20.0	17.2	-100.0	6.6	6.3	4.7	5.5	20.4
LTTS	17.5	18.3	-80.0	18.4	-90.0	2.8	2.7	3.3	2.3	23.2
MTCL	18.5	19.2	-70.0	18.2	30.0	5.0	4.7	5.4	4.0	24.6
MPHL	15.4	15.3	10.0	15.9	-50.0	4.3	4.0	6.1	3.6	19.4
COFORGE	14.2	12.5	160.0	14.0	20.0	2.2	1.7	28.6	1.7	32.9
PSYS	13.4	14.3	-90.0	13.9	-50.0	2.1	2.1	-1.5	1.6	28.8
ZENT	4.8	7.2	-240.0	10.9	-610.0	0.5	0.8	-33.5	1.0	-47.9
CYL	10.7	11.5	-80.0	14.0	-330.0	1.1	1.2	-1.7	1.2	-5.9
Tier II aggregate	15.0	15.3	-30.0	16.0	-100.0	24.7	23.6	4.6	20.8	18.3

Source: Company, MOFSL

Exhibit 3: Growth to remain resilient

Source: MOSL, Company

Exhibit 4: Tier 1 companies should see higher margin recovery

Source: MOSL, Company

Exhibit 5: Cross-currency growth and impact on our expectations for 2QFY23

	CC USD growth QoQ (%)	USD growth QoQ (%)	Cross-currency impact (bp)
TCS	3.5	1.9	-150
INFO	4.3	3.1	-120
WPRO	4.2	2.7	-150
HCLT	2.8	1.3	-140
TECHM	2.0	0.6	-130
LTI	3.5	2.5	-100
LTTS	4.7	4.0	-70
MTCL	5.1	4.1	-100
MPHL	1.9	1.1	-80
COFORGE	5.0	2.5	-250
PSYS	5.1	4.5	-50
ZENT	-0.2	-2.4	-220
CYL	11.1	9.3	-180

Source: Company, MOFSL

Exhibit 6: Currency highlights (INR) in 2QFY23

	Rates (INR)				Change (QoQ %)			
	USD	EUR	GBP	AUD	USD	EUR	GBP	AUD
Average	79.81	85.39	93.38	54.43	3.47	3.86	-3.80	-1.39
Closing	81.35	78.91	93.55	52.55	3.00	-3.93	-2.11	-3.57

Source: Bloomberg, MOFSL

Exhibit 7: Currency highlights (USD) in 2QFY23

	Rates (USD)			Change (QoQ %)		
	EUR	GBP	AUD	EUR	GBP	AUD
Average	1.07	1.17	0.68	0.38	-7.03	-4.70
Closing	0.97	1.15	0.65	-6.73	-4.96	-6.38

Source: Bloomberg, MOFSL

Exhibit 8: Changes in our estimates

	Revised EPS (INR)		Earlier EPS (INR)		Change (%)	
	FY23E	FY24E	FY23E	FY24E	FY23E	FY24E
TCS	117	131	117	133	-0.6	-1.9
INFO	57	66	57	68	-0.4	-2.8
WPRO	22	24	22	24	-1.3	-1.5
HCLT	52	58	52	58	1.1	-0.1
TECHM	60	70	61	74	-2.7	-5.7
LTI	158	184	161	187	-1.7	-2.0
LTTS	112	133	111	128	1.3	3.7
MTCL	125	143	124	144	0.9	-0.2
MPHL	93	107	93	108	0.3	-0.8
COFORGE	136	160	138	165	-1.1	-3.2
PSYS	120	141	119	143	0.8	-0.9
ZENT	12	17	14	19	-12.0	-9.9
CYL	50	62	52	64	-3.4	-3.9

Source: Company, MOFSL

Exhibit 9: Expected quarterly performance summary

Companies	CMP		Sales (INR b)			EBIT (INR b)			Adjusted net profit (INR b)		
	(INR)	Rating	Sep'22E	Variance YoY (%)	Variance QoQ (%)	Sep'22E	Variance YoY (%)	Variance QoQ (%)	Sep'22E	Variance YoY (%)	Variance QoQ (%)
TCS	3005	Buy	550.9	17.5	4.4	129.4	7.9	6.2	104.1	7.9%	9.4%
INFO	1413	Buy	365.0	23.3	5.9	73.7	5.7	6.6	59.4	9.4%	10.8%
WPRO	394	Neutral	225.3	14.6	4.7	34.0	-2.6	6.7	29.8	1.5%	16.2%
HCLT	933	Buy	244.3	18.3	4.1	42.2	7.7	5.7	33.9	3.5%	3.4%
TECHM	1008	Neutral	130.9	20.3	3.0	14.5	-12.0	3.6	12.4	-7.4%	8.2%
LTI	4460	Neutral	47.4	25.8	4.8	7.7	18.4	6.0	6.6	20.4%	4.7%
LTTS	3602	Buy	19.9	23.5	5.9	3.5	17.2	1.2	2.8	23.2%	3.3%
MTCL	3160	Neutral	33.1	28.1	6.1	6.1	30.5	2.4	5.0	24.6%	5.4%
MPHL	2087	Buy	35.1	23.4	3.6	5.4	19.4	3.9	4.3	19.4%	6.1%
COFORGE	3361	Neutral	19.5	24.3	6.6	2.8	26.1	20.5	2.2	32.9%	28.6%
PSYS	3239	Neutral	20.1	48.9	7.1	2.7	44.0	0.3	2.1	28.8%	-1.5%
ZENT	212	Buy	12.1	15.5	0.8	0.6	-49.1	-33.2	0.5	-47.9%	-33.5%
CYL	792	Buy	14.1	26.7	12.6	1.5	-3.3	5.0	1.1	-5.9%	-1.7%
Sector aggregate (INR b)			1,718	19.7	4.7	324	6.0	5.9	264	6.9%	9.1%

Source: Company, MOFSL

Exhibit 10: Comparative valuation

Company	CMP (INR)	M-cap (INR b)	Target Price	Upside/Downside	EPS (INR)			EPS CAGR (%)	Dividend yield (%)	P/E (x)			RoE (%)		
					FY22	FY23E	FY24E	FY22-24E	FY22	FY22	FY23E	FY24E	FY22	FY23E	FY24E
TCS	3,005	10,994	3,530	17%	104.0	116.5	130.5	12.0	3.4	28.9	25.8	23.0	43.7	47.0	51.0
INFO	1,413	5,946	1,640	16%	52.2	57.1	65.7	12.2	2.2	27.1	24.7	21.5	29.2	31.3	34.5
HCLT	933	2,531	1,170	25%	49.8	52.3	58.3	8.2	4.7	18.7	17.8	16.0	21.9	23.0	25.9
WPRO	394	2,163	410	4%	21.9	21.5	24.0	4.7	1.5	18.0	18.3	16.4	20.2	17.7	19.3
TECHM	1,008	981	980	-3%	62.6	59.7	69.7	5.5	4.5	16.1	16.9	14.5	21.5	19.2	21.2
LTI	4,460	782	4,400	-1%	130.8	158.1	183.5	18.4	1.2	34.1	28.2	24.3	28.5	28.8	28.2
MTCL	3,160	521	3,150	0%	100.1	124.8	143.3	19.7	1.2	31.6	25.3	22.0	33.8	34.1	32.6
MPHL	2,087	393	2,470	18%	75.1	92.9	107.3	19.6	2.2	27.8	22.5	19.4	21.5	24.2	25.3
LTTS	3,602	380	4,130	15%	90.5	112.4	133.1	21.2	1.0	39.8	32.1	27.1	25.0	26.3	26.7
PSYS	3,239	248	3,400	5%	91.3	119.7	141.5	24.5	1.0	35.5	27.1	22.9	22.6	25.0	25.1
COFORGE	3,361	205	3,510	4%	110.9	136.5	159.6	20.0	1.5	30.3	24.6	21.1	26.0	27.9	28.0
CYL	792	88	990	25%	47.8	50.2	61.9	13.8	3.6	16.6	15.8	12.8	17.2	17.5	20.4
ZENT	212	48	260	23%	18.3	12.0	17.0	-3.5	3.5	11.5	17.6	12.4	16.3	9.8	13.0

Source: Company, MOFSL

The tables below provide a snapshot of actual and estimated numbers for IT companies under the MOFSL coverage universe. Highlighted columns indicate the quarter/financial year under review.

Coforge

Neutral
CMP INR3361 | TP: INR3510 (4%)
EPS CHANGE (%): FY23|24: -1.1|-3.2

- Growth should continue to remain strong in 2QFY23E. Expect around 150-200bp cross-currency impact on revenue due to high exposure to Europe.
- The BFS vertical is expected to do well for the company. Insurance will bounce back.
- Expect good margin recovery from 1QFY23 wage hikes.
- The management's FY23 guidance will be a key monitorable.

Quarterly performance (Ind AS)

Y/E March	FY22				FY23E				FY22	FY23E
(Consolidated)	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Rev. (USD m)	200	213	222	232	239	245	249	260	866	993
QoQ (%)	15.8	6.6	4.1	4.9	2.7	2.5	1.9	4.3	38.0	14.6
Revenue (INR m)	14,616	15,694	16,581	17,429	18,294	19,503	20,396	21,276	64,320	79,469
YoY (%)	38.3	36.0	39.3	38.2	25.2	24.3	23.0	22.1	37.9	23.6
GPM (%)	29.9	32.1	32.4	33.3	30.4	31.7	33.0	33.3	32.0	32.2
SGA (%)	13.7	13.5	12.9	13.0	13.9	13.6	13.5	13.5	13.3	13.6
EBITDA (INR m)	2,229	2,788	3,068	3,339	2,922	3,434	3,877	4,108	11,424	14,340
EBITDA margin (%)	15.3	17.8	18.5	19.2	16.0	17.6	19.0	19.3	17.8	18.0
EBIT (INR m)	1,705	2,190	2,502	2,755	2,292	2,761	3,173	3,373	9,152	11,599
EBIT margin (%)	11.7	14.0	15.1	15.8	12.5	14.2	15.6	15.9	14.2	14.6
Other income	52	-77	-122	-119	-76	98	102	106	-266	230
ETR (%)	18.2	21.1	15.1	13.0	22.2	22.5	22.5	22.5	16.5	22.5
Minority Interest	-76.0	-148.0	-135.0	-171.0	-222.0	-159.4	-163.6	-163.6	-530.0	-708.6
Adj. PAT	1,361	1,519	1,885	2,123	1,501	2,056	2,374	2,533	6,888	8,464
QoQ (%)	-1.1	11.6	24.1	12.6	-29.3	37.0	15.5	6.7		
YoY (%)	39.0	25.8	54.5	54.3	10.3	35.3	26.0	19.3	44.0	22.9
Adj. EPS (INR)	21.9	24.5	30.4	34.2	24.2	33.2	38.3	40.9	110.9	136.5

Cyient

Buy
CMP INR792 | TP: INR990 (+25%)
EPS CHANGE (%): FY23|24: -3.4|-3.9

- Expect ~11% CC growth on a QoQ basis, led by acquisitions. Organic growth should be ~2%.
- Services growth to remain impacted on account of weakness in railways. DLM to continue to decline.
- Margins to remain muted due to wage hikes. Expect one-time transaction costs due to acquisitions.
- The impact of the semiconductor shortage on CLM growth in FY23 and normalization of the Rail vertical will be key monitorables.

Quarterly performance

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	144	150	158	157	162	177	192	197	608	727
QoQ (%)	-4.3	4.6	5.2	-0.8	3.1	9.3	8.7	2.6	9.2	19.6
Revenue (INR m)	10,582	11,116	11,834	11,812	12,501	14,078	15,707	16,113	45,344	58,400
YoY (%)	6.7	10.8	13.3	8.0	18.1	26.7	32.7	36.4	9.7	28.8
GPM (%)	35.9	38.4	36.3	38.3	36.8	36.0	37.0	37.6	37.3	36.9
SGA (%)	18.2	19.8	18.4	20.2	21.2	21.0	20.0	19.7	19.1	20.4
EBITDA	1,878	2,074	2,128	2,136	1,946	2,112	2,670	2,884	8,216	9,612
EBITDA margin (%)	17.7	18.7	18.0	18.1	15.6	15.0	17.0	17.9	18.1	16.5
EBIT	1,388	1,557	1,641	1,707	1,435	1,506	2,010	2,208	6,293	7,159
EBIT margin (%)	13.1	14.0	13.9	14.5	11.5	10.7	12.8	13.7	13.9	12.3
Other income	147	58	105	377	160	56	79	81	687	375
ETR (%)	25.1	25.0	24.6	26.1	27.2	27.0	27.0	27.0	25.2	27.0
Adj. PAT	1,150	1,212	1,316	1,541	1,161	1,141	1,525	1,670	5,219	5,497
QoQ (%)	3.9	5.4	8.6	17.1	-24.7	-1.7	33.7	9.5		
YoY (%)	41.3	44.4	37.9	39.3	0.9	-5.9	15.9	8.4	40.5	5.3
EPS (INR)	10.5	11.1	12.1	14.1	10.6	10.4	13.9	15.2	47.8	50.2

HCL Technologies

Buy

CMP INR933 | TP: INR1170 (+25%)

EPS CHANGE (%): FY23 | 24: 1.1 | -0.1

- 2QFY23E CC growth will be good and the management commentary should remain positive.
- Margins should improve in 2QFY23E despite wage hikes.
- Services business should see good growth.
- Any revision in outlook on margin and the P&P business in FY23 will be key monitorables.

Quarterly performance

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	2,720	2,791	2,978	2,993	3,025	3,065	3,164	3,171	11,481	12,425
QoQ (%)	0.9	2.6	6.7	0.5	1.1	1.3	3.2	0.2	12.8	8.2
Revenue (INR b)	201	207	223	226	235	244	259	259	857	997
YoY (%)	12.5	11.1	15.7	15.0	16.9	18.3	15.9	14.8	13.6	16.4
GPM (%)	39.2	38.2	38.2	36.8	35.8	35.6	37.0	36.2	38.1	36.2
SGA (%)	12.8	13.0	12.4	12.7	12.9	12.5	12.7	12.7	12.7	12.7
EBITDA	49	50	54	52	50	53	59	57	202	218
EBITDA margin (%)	24.5	24.0	24.1	23.1	21.3	21.5	22.7	21.9	23.6	21.9
EBIT	39	39	43	41	40	42	48	46	162	176
EBIT margin (%)	19.6	19.0	19.1	18.0	17.0	17.3	18.4	17.6	18.9	17.6
Other income	2	2	2	3	3	2	3	3	8	11
ETR (%)	21.7	20.5	22.2	16.7	24.3	24.0	24.0	24.0	20.3	24.1
Adjusted PAT	32	33	34	36	33	34	38	37	135	142
QoQ (%)	34.7	1.5	5.5	4.4	-8.7	3.4	12.6	-3.8		
YoY (%)	10.0	3.9	0.3	50.6	2.1	4.0	11.1	2.3	13.7	4.9
EPS	11.8	12.0	12.7	13.3	12.1	12.5	14.1	13.6	49.8	52.3

Infosys

Buy

CMP INR1413 | TP: INR1640 (+16%)

EPS CHANGE (%): FY23 | 24: -0.4 | -2.8

- Expect good demand commentary from INFO with good deal conversions.
- Expect weaker-than-expected margins as supply side challenges continue to remain elevated.
- In CC terms, INFO should deliver a USD revenue growth of 4.3% QoQ, although adverse cross-currency movements will drag reported growth.
- Commentary on deal wins and margins will be a key monitorables.

Quarterly performance (IFRS)

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	3,782	3,998	4,250	4,280	4,444	4,580	4,559	4,645	16,310	18,229
QoQ (%)	4.7	5.7	6.3	0.7	3.8	3.1	-0.5	1.9	20.3	11.8
Revenue (INR m)	279	296	319	323	345	365	373	380	1,216	1,463
YoY (%)	17.9	20.5	22.9	22.7	23.6	23.3	17.0	17.7	21.1	20.2
GPM (%)	33.7	33.1	32.8	31.0	29.3	29.8	30.6	31.1	32.6	30.2
SGA (%)	10.0	9.5	9.3	9.4	9.2	9.6	9.7	9.8	9.6	9.6
EBITDA	74	78	84	79	78	84	88	91	315	341
EBITDA margin (%)	26.6	26.4	26.3	24.4	22.8	22.9	23.6	24.0	25.9	23.3
EBIT	66	70	75	70	69	74	78	81	280	302
EBIT margin (%)	23.7	23.6	23.5	21.6	20.1	20.2	20.9	21.3	23.0	20.6
Other income	6	5	5	6	6	7	7	7	21	26
ETR (%)	27.5	27.1	26.7	24.5	28.8	26.0	26.0	26.0	26.4	26.6
PAT	52	54	58	57	54	59	62	65	221	240
QoQ (%)	2.3	4.4	7.2	-2.1	-5.7	10.6	5.4	3.9		
YoY (%)	22.3	11.9	11.8	12.0	3.2	9.3	7.6	14.2	14.2	8.7
EPS (INR)	12.2	12.9	13.8	13.5	12.8	14.1	14.9	15.5	52.2	57.1

LTI Neutral

CMP INR4460 | TP: INR4400 (-1%)

EPS CHANGE (%): FY23 | 24: -1.7 | -2.0

- Expect sequential revenue growth to be in low single-digits. It should see ~100bp cross-currency impact on the revenues.
- Expect margins to remain flat in 2QFY23E on a QoQ basis on account of elevated attrition.
- The BFS vertical to remain strong for the company in 2QFY23E.
- Commentary around the deal pipeline and wins remain a key monitorable.

Quarterly performance

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	470	509	553	570	580	594	616	634	2,103	2,425
QoQ (%)	5.1	8.3	8.6	3.1	1.7	2.5	3.6	2.9	25.9	15.3
Revenue (INR m)	34,625	37,670	41,376	43,016	45,228	47,379	50,402	51,850	1,56,687	1,94,859
YoY (%)	17.4	25.6	31.2	31.6	30.6	25.8	21.8	20.5	26.7	24.4
GPM (%)	31.0	31.0	31.0	30.0	29.1	29.5	30.0	30.4	30.7	29.8
SGA (%)	12.3	11.5	10.9	10.3	10.7	11.0	11.0	11.2	11.2	11.0
EBITDA	6,478	7,332	8,311	8,464	8,308	8,765	9,576	9,934	30,585	36,584
EBITDA margin (%)	18.7	19.5	20.1	19.7	18.4	18.5	19.0	19.2	19.5	18.8
EBIT	5,682	6,482	7,426	7,445	7,243	7,675	8,417	8,742	27,036	32,077
EBIT margin (%)	16.4	17.2	17.9	17.3	16.0	16.2	16.7	16.9	17.3	16.5
Other income	1,039	938	811	1,151	1,267	1,184	1,260	1,296	3,939	5,008
ETR (%)	26.1	25.6	25.6	25.8	25.5	25.0	25.0	25.0	25.8	25.1
Adj. PAT	4,968	5,517	6,125	6,375	6,344	6,645	7,258	7,528	22,985	27,775
QoQ (%)	1.7	11.1	11.0	4.1	-0.5	4.7	9.2	3.7		
YoY (%)	19.3	20.8	18.0	30.5	27.7	20.4	18.5	18.1	22.2	20.8
EPS (INR)	28.3	31.4	34.9	36.3	36.1	37.8	41.3	42.8	130.8	158.1

LTTS Buy

CMP INR3602 | TP: INR4130 (+15%)

EPS CHANGE (%): FY23 | 24: 1.3 | 3.7

- Expect the growth to be good at 4.7%CC in 2QFY23E
- Vertical commentary should start seeing some moderation in Industrial Products and Plant Engineering.
- Expect muted EBIT margin on wage hikes and continued supply pressures.
- Commentary around the impact of the macro environment on deal wins and any changes to its FY23 guidance remain key monitorables.

Quarterly performance

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	206	217	225	232	240	249	255	265	880	1,008
QoQ (%)	4.2	5.7	3.5	3.1	3.2	4.0	2.3	3.8	19.5	14.5
Revenue (INR m)	15,184	16,077	16,875	17,561	18,737	19,850	20,844	21,641	65,697	81,072
YoY (%)	17.3	22.4	20.5	21.9	23.4	23.5	23.5	23.2	20.6	23.4
GPM (%)	33.4	33.3	33.7	33.0	33.0	32.5	33.0	32.9	33.3	32.8
SGA (%)	12.4	11.6	12.0	11.3	11.6	12.0	11.7	11.7	11.8	11.7
EBITDA	3,177	3,493	3,675	3,804	4,010	4,069	4,440	4,586	14,149	17,105
EBITDA margin (%)	20.9	21.7	21.8	21.7	21.4	20.5	21.3	21.2	21.5	21.1
EBIT	2,623	2,964	3,144	3,274	3,434	3,474	3,814	3,937	12,005	14,659
EBIT margin (%)	17.3	18.4	18.6	18.6	18.3	17.5	18.3	18.2	18.3	18.1
Other income	334	180	259	314	340	357	375	390	1,087	1,462
ETR (%)	26.6	26.6	26.7	26.6	27.1	26.0	26.0	26.0	26.6	26.3
PAT	2,162	2,300	2,488	2,620	2,742	2,833	3,098	3,199	9,570	11,873
QoQ (%)	11.2	6.4	8.2	5.3	4.7	3.3	9.4	3.3		
YoY (%)	84.3	39.0	33.7	34.7	26.8	23.2	24.5	22.1	44.3	24.1
EPS (INR)	20.4	21.8	23.6	24.8	26.0	26.8	29.3	30.3	90.5	112.4

Mindtree**Neutral****CMP INR3160 | TP: INR3150 (0%)****EPS CHANGE (%): FY23 | 24: 0.9 | -0.2**

- Growth will continue to remain strong with good growth in top client. Retail will continue to be impacted.
- Expect a strong order book and demand patterns.
- Margins to remain soft on the full impact of wage hikes. Attrition should remain stable.
- Outlook on deal wins, top client, and margins are key monitorables.

Quarterly performance

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	311	350	366	384	399	416	424	438	1,411	1,677
QoQ (%)	7.7	12.8	4.7	4.7	4.0	4.1	2.0	3.4	31.1	18.9
Revenue (INR m)	22,917	25,862	27,500	28,974	31,211	33,125	34,687	35,863	1,05,253	1,34,885
YoY (%)	20.1	34.3	35.9	37.4	36.2	28.1	26.1	23.8	32.1	28.2
GPM (%)	29.0	28.9	30.4	30.1	31.0	29.9	30.5	30.6	29.6	30.5
SGA (%)	8.8	8.4	8.8	9.1	9.9	9.4	9.4	9.5	8.8	9.5
EBITDA (INR m)	4,645	5,307	5,921	6,083	6,581	6,791	7,319	7,581	21,956	28,271
EBITDA margin (%)	20.3	20.5	21.5	21.0	21.1	20.5	21.1	21.1	20.9	21.0
EBIT (INR m)	4,063	4,697	5,289	5,487	5,982	6,128	6,625	6,864	19,536	25,599
EBIT margin (%)	17.7	18.2	19.2	18.9	19.2	18.5	19.1	19.1	18.6	19.0
Other income	589	623	581	778	273	497	520	538	2,571	1,828
ETR (%)	26.2	25.0	25.5	24.5	24.6	25.0	25.0	25.0	25.2	24.9
PAT	3,434	3,989	4,375	4,731	4,716	4,969	5,359	5,551	16,529	20,595
QoQ (%)	8.2	16.2	9.7	8.1	-0.3	5.4	7.9	3.6		
YoY (%)	61.2	57.2	34.0	49.1	37.3	24.6	22.5	17.3	48.8	24.6
EPS (INR)	20.8	24.2	26.5	28.7	28.6	30.1	32.5	33.6	100.1	124.8

Mphasis**Buy****CMP INR2087 | TP: INR2470 (+18%)****EPS CHANGE (%): FY23 | 24: -0.4 | -0.2**

- Expect continued strength in the Direct business, although Digital Risk will continue to remain soft.
- Expect the decline to continue in the DXC business, although the pace of decline should start moderating.
- Expect margin to largely remain flat QoQ.
- Outlook with regard to BFSI growth in FY23 remains a key monitorable.

Quarterly performance

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	363	385	414	431	436	441	446	455	1,593	1,778
QoQ (%)	6.0	6.1	7.5	4.0	1.2	1.1	1.3	1.9	21.7	11.6
Revenue (INR m)	26,909	28,693	31,237	32,777	34,113	35,115	36,517	37,205	1,19,616	1,42,950
YoY (%)	17.6	17.8	26.2	29.8	26.8	22.4	16.9	13.5	23.0	19.5
GPM (%)	28.4	28.8	29.7	29.8	29.8	29.7	30.1	30.3	29.2	30.0
SGA (%)	10.2	10.7	12.0	12.2	12.2	12.0	11.8	11.8	11.3	12.0
EBITDA	4,895	5,185	5,530	5,772	6,001	6,215	6,683	6,899	21,382	25,798
EBITDA margin (%)	18.2	18.1	17.7	17.6	17.6	17.7	18.3	18.5	17.9	18.0
EBIT	4,271	4,528	4,704	4,973	5,205	5,408	5,843	6,043	18,476	22,499
EBIT margin (%)	15.9	15.8	15.1	15.2	15.3	15.4	16.0	16.2	15.4	15.7
Other income	310	277	90	184	125	281	292	298	861	996
ETR (%)	25.8	25.6	25.4	24.0	24.6	25.0	25.0	25.0	25.2	24.9
PAT	3,397	3,574	3,575	3,921	4,020	4,267	4,601	4,756	14,467	17,643
QoQ (%)	7.2	5.2	0.0	9.7	2.5	6.1	7.8	3.4		
YoY (%)	23.5	19.5	9.8	23.7	18.3	19.4	28.7	21.3	18.9	22.0
EPS (INR)	17.9	18.8	18.9	20.4	21.2	22.5	24.2	25.0	75.1	92.9

Persistent Systems**Neutral****CMP INR3239 | TP: INR3400 (5%)****EPS CHANGE (%): FY23 | 24: 0.8 | -0.9**

- Expect strong (~5%) growth to continue in 2QFY23E.
- Wage hike impact should be largely recouped with FX, Utilization, and lower Visa cost.
- Expect strong deal wins for 2QFY23E. Healthcare should see growth higher than the company average.
- Medium-term growth and margin outlook should be key monitorables.

Quarterly performance (IFRS)

Y/E March	FY22				FY23E				FY22	FY23E
(Consolidated)	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	166.8	182.3	199.1	217.3	241.5	252.5	261.1	269.7	766	1,025
QoQ (%)	9.2	9.3	9.2	9.1	11.1	4.5	3.4	3.3	35.2	33.9
Revenue (INR m)	12,299	13,512	14,917	16,379	18,781	20,123	21,356	22,065	57,107	82,324
QoQ (%)	10.5	9.9	10.4	9.8	14.7	7.1	6.1	3.3		
YoY (%)	24.1	34.1	38.7	47.1	52.7	48.9	43.2	34.7	36.4	44.2
GPM (%)	33.5	33.5	33.8	33.7	33.8	32.8	33.3	33.9	33.6	33.5
SGA (%)	16.6	16.9	16.9	16.5	16.1	16.0	15.9	15.9	16.7	16.0
EBITDA	2,090	2,244	2,511	2,812	3,333	3,381	3,716	3,972	9,656	14,401
EBITDA margin (%)	17.0	16.6	16.8	17.2	17.7	16.8	17.4	18.0	16.9	17.5
EBIT	1,740	1,873	2,083	2,300	2,688	2,696	2,990	3,221	7,996	11,596
EBIT margin (%)	14.1	13.9	14.0	14.0	14.3	13.4	14.0	14.6	14.0	14.1
Other income	365	303	281	371	131	101	214	221	1,321	666
ETR (%)	24.6	25.7	25.4	24.8	24.9	25.5	25.5	25.5	25.1	25.4
PAT	1,587	1,618	1,764	2,010	2,116	2,084	2,387	2,564	6,978	9,151
QoQ (%)	15.2	1.9	9.1	13.9	5.3	-1.5	14.5	7.5		
YoY (%)	76.3	58.6	45.9	45.9	33.3	28.8	35.3	27.6	54.8	31.1
EPS (INR)	19.8	21.2	23.1	26.3	27.7	27.3	31.2	33.6	91.3	119.7

TCS**Buy****CMP INR3005 | TP: INR3530 (+17%)****EPS CHANGE (%): FY23 | 24: -0.6 | -1.9**

- In CC terms, growth should remain strong, but reported growth will have some impact from cross-currency movements.
- Expect strong demand commentary to continue.
- Margin in 2QFY23 should see some recovery from wage hikes that impacted 1QFY23 margin
- Deal wins and impact of macro weakness on growth will be key monitorables.

Quarterly performance (IFRS)

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
IT Services Revenue (USD m)	6,154	6,333	6,524	6,696	6,780	6,912	6,953	7,132	25,707	27,777
QoQ (%)	2.8	2.9	3.0	2.6	1.3	1.9	0.6	2.6	15.9	8.1
Overall Revenue (INR b)	454	469	489	506	528	551	569	583	1,918	2,231
QoQ (%)	3.9	3.2	4.3	3.5	4.3	4.4	3.2	2.6		
YoY (%)	18.5	16.8	16.4	15.8	16.2	17.5	16.3	15.3	16.8	16.3
GPM (%)	40.4	40.4	40.0	40.1	38.4	38.5	39.1	39.7	40.2	38.9
SGA (%)	14.8	14.8	15.0	15.2	15.3	15.0	14.8	14.8	15.0	15.0
EBITDA	127	131	134	138	133	141	150	157	530	580
EBITDA margin (%)	27.9	28.0	27.4	27.4	25.1	25.5	26.3	26.9	27.7	26.0
EBIT	116	120	122	126	122	129	138	145	485	535
EBIT margin (%)	25.5	25.6	25.0	25.0	23.1	23.5	24.3	24.9	25.3	24.0
Other income	6	10	10	7	6	9	10	10	32	35
PBT	122	130	132	134	128	139	148	155	517	569
ETR (%)	25.8	25.6	25.7	25.5	25.5	25.0	25.0	25.0	25.6	25.1
Adj. PAT	90	97	98	100	95	104	111	116	384	426
Exceptional items	0	0	0	0	0	0	0	0	0	0
Reported PAT	90	97	98	100	95	104	111	116	384	426
QoQ (%)	-2.7	6.9	1.6	1.6	-4.4	9.4	6.5	4.8		
YoY (%)	28.1	28.6	12.4	7.3	5.4	7.9	13.1	16.7	18.1	10.9
EPS (INR)	24.4	26.0	26.4	27.2	26.0	28.5	30.3	31.8	104.0	116.5

Tech Mahindra**Neutral****CMP INR1008 | TP: INR980 (-3%)****EPS CHANGE (%): FY23|24: -2.7|-5.7**

- Expect weak growth in 2QFY23 due to slow growth in enterprise. Communications should grow ~2.5-3.0%. Cross-currency impact should be ~150bp
- Expect operating margin to be largely flat QoQ despite some wage hike.
- Expect deal wins to be within the USD500-700m quarterly band.
- Outlook on margin and growth in the Telecom vertical in FY23 will be key monitorables.

Quarterly performance

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	1,384	1,473	1,534	1,608	1,633	1,643	1,651	1,697	5,998	6,623
QoQ (%)	4.1	6.4	4.1	4.9	1.5	0.6	0.5	2.8	17.4	10.4
Revenue (INR b)	102	109	115	121	127	131	135	139	446	532
YoY (%)	12.0	16.1	18.7	24.5	24.6	20.3	17.9	14.6	17.9	19.1
GPM (%)	31.7	31.7	30.1	29.3	28.3	28.3	29.1	30.1	30.6	29.0
SGA (%)	13.3	13.3	12.1	12.1	13.5	13.4	13.0	13.0	12.7	13.2
EBITDA	19	20	21	21	19	20	22	24	80	84
EBITDA margin (%)	18.4	18.3	18.0	17.2	14.8	14.9	16.1	17.1	18.0	15.8
EBIT	15	17	17	16	14	15	17	19	65	64
EBIT margin (%)	15.2	15.2	14.8	13.2	11.0	11.1	12.4	13.4	14.6	12.0
Other income	2	2	2	3	1	2	2	2	10	8
ETR (%)	23.9	29.4	26.9	17.5	22.8	26.5	26.5	26.5	24.4	25.7
Adj. PAT	14	13	14	15	11	12	14	15	56	53
QoQ (%)	11.7	-1.1	2.2	10.0	-24.8	8.3	13.7	10.4		
YoY (%)	39.2	25.7	4.5	24.3	-16.4	-8.5	1.8	2.1	22.1	-5.0
Extra-Ordinary Item	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reported PAT	14	13	14	15	11	12	14	15	56	53
EPS (INR)	15.3	15.1	15.5	16.9	12.8	13.8	15.7	17.4	62.6	59.7

Wipro**Neutral****CMP INR394 | TP: INR385 (4%)****EPS CHANGE (%): FY23|24: -1.3|-1.5**

- Growth in 2QFY23E should remain within the management's guidance band provided in 1QFY23.
- Margin should see some improvement despite continued supply pressures.
- Expect Q3 demand commentary to stay positive.
- The management's guidance for 3QFY23 and deal wins will be a key monitorable.

Quarterly performance (IFRS)

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
IT Services Revenue (USD m)	2,415	2,580	2,640	2,722	2,736	2,809	2,816	2,873	10,356	11,233
QoQ (%)	12.2	6.9	2.3	3.1	0.5	2.7	0.2	2.0	27.3	8.5
Overall Revenue (INR b)	183	197	203	209	215	225	232	236	791	909
QoQ (%)	12.4	7.8	3.3	2.7	3.2	4.7	2.9	1.9		
YoY (%)	22.4	30.1	29.6	28.4	17.9	14.6	14.2	13.4	27.7	14.9
GPM (%)	30.1	30.1	29.7	29.1	27.7	27.9	27.5	28.2	29.7	27.8
SGA (%)	12.9	12.8	12.8	12.8	13.4	13.3	12.9	12.8	12.8	13.1
EBITDA	41	43	43	43	42	44	45	48	170	179
EBITDA margin (%)	22.4	21.6	21.4	20.7	19.3	19.6	19.6	20.3	21.5	19.7
IT Services EBIT (%)	17.8	17.8	17.6	17.0	15.0	15.3	15.3	16.1	17.5	15.4
EBIT margin (%)	17.8	17.8	17.5	16.8	14.8	15.1	15.1	15.8	17.5	15.2
Other income	6	3	2	2	2	4	4	4	13	15
ETR (%)	16.1	22.0	21.3	17.1	23.6	22.5	22.5	22.5	19.1	22.8
PAT	32	29	30	31	26	30	30	32	122	118
QoQ (%)	8.7	-9.3	1.3	4.0	-17.0	15.5	2.9	6.2		
YoY (%)	35.2	18.9	0.0	3.9	-20.7	1.0	2.6	4.8	13.2	-3.4
EPS (INR)	5.9	5.3	5.4	5.6	4.7	5.4	5.6	5.9	21.9	21.5

Zensar Technologies**Buy****CMP INR212 | TP: INR260 (+23%)****EPS CHANGE (%): FY23 | 24: -12.0 | -9.9**

- Revenues will be impacted by softness in HTM and adverse FX headwinds.
- Supply-side issues, wage hikes, hiring costs, and lower growth will impact margins.
- Europe and BFSI to remain strong for the company.
- The management's outlook on medium-term growth and margins will be key monitorables.

Quarterly performance

Y/E March	FY22				FY23E				FY22	FY23E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Revenue (USD m)	127	142	147	153	156	152	151	154	569	613
QoQ (%)	5.8	11.6	3.7	4.1	1.8	-2.4	-0.9	2.4	15.3	7.7
Revenue (INR m)	9,368	10,506	11,025	11,538	12,034	12,130	12,343	12,637	42,437	49,143
YoY (%)	-1.2	12.2	21.6	31.6	28.5	15.5	12.0	9.5	15.7	15.8
GPM (%)	34.8	30.6	29.6	30.2	26.6	24.6	26.5	27.2	31.2	26.2
SGA (%)	16.4	15.2	15.3	16.0	15.3	15.8	15.8	15.6	15.7	15.6
EBITDA	1,726	1,612	1,584	1,642	1,361	1,067	1,321	1,468	6,564	5,217
EBITDA margin (%)	18.4	15.3	14.4	14.2	11.3	8.8	10.7	11.6	15.5	10.6
EBIT	1,300	1,144	1,110	1,161	871	582	839	988	4,715	3,280
EBIT margin (%)	13.9	10.9	10.1	10.1	7.2	4.8	6.8	7.8	11.1	6.7
Other income	95	142	152	634	149	97	99	101	1,023	446
ETR (%)	26.5	25.5	26.9	27.2	26.4	26.5	26.5	26.5	26.6	26.5
Adj. PAT	1,010	944	909	1,297	751	499	689	800	4,160	2,740
QoQ (%)	11.6	-6.5	-3.7	42.7	-42.1	-33.5	38.1	16.1		
YoY (%)	38.9	7.5	-7.9	43.3	-25.6	-47.1	-24.2	-38.3	19.0	-34.1
EPS (INR)	4.4	4.2	4.0	5.7	3.3	2.2	3.0	3.5	18.3	12.0

Explanation of Investment Rating	
Investment Rating	Expected return (over 12-month)
BUY	>=15%
SELL	< - 10%
NEUTRAL	< - 10 % to 15%
UNDER REVIEW	Rating may undergo a change
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

Disclosures

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at <http://online.reports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf>

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at <https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx>

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the "1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act") and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets Singapore Pte Ltd ("MOCMSPL") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- 1 MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 3 MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 4 MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance.
- received compensation/other benefits from the subject company in the past 12 months
- any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however, the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alterations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022-3980 4263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-71881085.

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL: IN-DP-16-2015; NSDL: IN-DP-NSDL-152-2000; Research Analyst: INH000000412. AMFI: ARN.: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products. Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.