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# Performance highlights

(₹ cr)	4QFY17	3QFY17	% chg (qoq)	4QFY16	% chg (yoy)
Net revenue	17,120	17,273	(0.9)	16,550	3.4
EBITDA	4,658	4,769	(2.3)	4,589	1.5
EBITDA margin (%)	27.2	27.6	31bp	27.7	39bp
PAT	3,603	3,708	(2.8)	3,597	0.2

Source: Company, Angel Research

For 4QFY2017 the results of Infosys were below expectations, on the sales front the company has posted revenue of US\$2,569mn v/s expectations of US\$2,589mn, with 0.7% qoq growth. On CC (constant Currency) terms, the revenues have remained flat qoq. The volume growth during the period came in at 1.2% qoq. On the operating margins front, the EBIT margin came in at 24.6% v/s 24.6% expected. The PAT came in at ₹3,603cr v/s ₹3,708cr, a QoQ dip of 2.8%. On guidance front, revenue guidance for FY2018 was given in the range of 6.5-8.5% with EBIT margins expected to be in the range of 23-25%. We maintain our BUY rating on the stock.

Quarterly highlights: In Rupee terms, revenues came in at ₹17,120cr v/s ₹17,244cr expected, down 0.9% qoq. In terms of the geographies on CC terms, USA posted 1.2% qoq growth, while Europe posted a dip of 1.6% qoq. India and ROW posted a dip of 6.9% and 1.3% qoq respectively. In terms of Industries, ECS posted a qoq growth of 2.8%, while FSI posted a qoq growth of 0.5%. The verticals which posted dip were RCL, which dipped by 3.1 qoq growth, while MFG & Hi Tech posted a flat qoq growth. On EBIT front, the company posted an EBIT of 24.6% v/s 24.6% expected, down 49bps qoq. Consequently, PAT came in at ₹3,603cr v/s ₹3,708cr expected, recording de-growth of 2.8% qoq.

**Outlook and valuation:** For FY2018, Infosys has given the revenue growth guidance in the range of 6.5-8.5% in CC terms, while EBIT is expected to be around 23-25%. While the margin guidance is lower, a major part of the same is on the back of the currency appreciation & proposed increase in onsite capacity to mitigate any potential regulatory headwinds. **We maintain our BUY rating on the stock.** 

**Key financials (Consolidated, IFRS)** 

Y/E March (₹ cr)	FY2016	FY2017	FY2018E	FY2019E
Net sales	62,441	68,484	73,963	80,619
% chg	17.1	9.7	8.0	9.0
Adj. net profit	13,491	14,353	14,785	15,916
% chg	9.4	6.4	3.0	7.7
EBITDA margin (%)	27.4	27.2	26.0	26.0
EPS (₹)	59.0	62.5	64.4	69.3
P/E (x)	15.6	14.8	14.3	13.3
P/BV (x)	3.4	3.1	2.8	2.6
RoE (%)	21.8	20.8	19.7	19.6
RoCE (%)	20.7	20.3	20.1	20.4
EV/Sales (x)	2.8	2.6	2.3	2.0
EV/EBITDA (x)	10.3	9.5	8.7	7.8

Source: Company, Angel Research; Note: CMP as of April 18, 2017

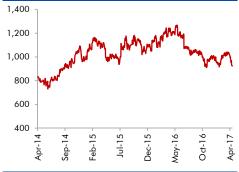
BUY	
CMP Target Price	₹922 ₹1,179
Investment Period	12 Months

Stock Info	
Sector	IT
Market Cap (₹ cr)	211,870
Net Debt (₹ cr)	(32,666)
Beta	0.7
52 Week High / Low	1,278/900
Avg. Daily Volume	249,247
Face Value (₹)	5
BSE Sensex	29,319
Nifty	9,105
Reuters Code	INFY.BO
Bloomberg Code	INFY@IN

Shareholding Pattern (%)	
Promoters	12.8
MF / Banks / Indian Fls	19.6
FII / NRIs / OCBs	56.9
Indian Public / Others	10.7

Abs.(%)	3m	1yr	3yr
Sensex	7.6	13.6	29.6
Infosys	(3.0)	(25.5)	15.7

#### 3-year price chart



Source: Company, Angel Research

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Exhibit 1: 4QFY2017 performance (IFRS, consolidated)

(₹ cr)	4QFY17	3QFY17	% chg (qoq)	4QFY16	% chg (yoy)	FY17	FY16	% chg (yoy)
Net revenue	17,120	17,273	(0.9)	16,550	3.4	68,484	62,441	9.7
Cost of revenue	10,324	10,405	(0.8)	9,893	4.4	41,550	37,689	10.2
Gross profit	6,796	6,868	(1.0)	6,657	2.1	26,934	24,752	8.8
SG&A expenses	2,138	2,099	1.9	2,068	3.4	8,330	7,723	7.9
EBITDA	4,658	4,769	(2.3)	4,589	1.5	18,604	17,029	9.2
Depreciation	446	435	2.6	369	20.9	1,703	1,409	20.9
EBIT	4,212	4,334	(2.8)	4,220	(0.2)	16,901	15,620	8.2
Other income	746	820	(9.0)	772	(3.4)	3,080	3,122	(1.3)
PBT	4,958	5,154	(3.8)	4,992	(0.7)	19,981	18,742	6.6
Income tax	1,330	1,446	(8.0)	1,394	(4.6)	5,598	5,251	6.6
Exceptional item	25	-		1		30	3	
Reported PAT	3,603	3,708	(2.8)	3,597	0.2	14,353	13,494	6.4
Adjusted PAT	3,603	3,708	(2.8)	3,597	0.2	14,353	13,491	6.4
EPS	15.8	16.2	(2.8)	15.2	3.7	62.8	43.3	45.1
Gross margin (%)	39.7	39.8	(6)bp	40.2	(53)bps	39.3	39.6	(31)bp
EBITDA margin (%)	27.2	27.6	(40)bp	27.7	(52)bps	27.2	27.3	(11)bp
EBIT margin (%)	24.6	25.1	(49)bp	25.5	(90)bps	24.7	25.0	(34)bp
PAT margin (%)	21.0	21.5	(42)bp	21.7	(69)bp	21.0	21.6	(65)bp

Exhibit 2: 4QFY2017 - Actual Vs Angel estimates

(₹ cr)	Actual	Estimate	% Var.
Net revenue	17,120	17,244	(0.7)
EBITDA margin (%)	27.2	27.1	6.8bps
PAT	3,603	3,560	1.2

Source: Company, Angel Research

### Revenues lower than expectation

For 4QFY2017 the results of Infosys were below expectations, on the sales front the company has posted revenue of US\$2,569mn v/s expectations of US\$2,589mn, with 0.7% qoq growth. On the CC (constant Currency) terms, the revenues have remained flat qoq. The volume growth during the period came in at 1.2% qoq. Volume growth in the onsite was 1.9% qoq, while 0.9% qoq growth was in the offshore. In Rupee terms, the company posted sales of ₹17,120 v/s expectations of ₹17,244cr, a dip of 0.9% qoq.

In terms of the geographies on CC terms, USA posted 1.2% qoq growth, while Europe posted a dip of 1.6% qoq. India and ROW posted a dip of 6.9% and 1.3% qoq. In terms of Industries, ECS posted a qoq growth of 2.8%, while FSI posted a qoq growth of 0.5%. The verticals which posted dip were RCL, which dipped by 3.1 qoq growth, while MFG & Hi Tech posted a flat qoq growth.



8 6 4.0 € 4 3.3 3.1 2.7 2.3 2.4 2.2 1.9 1.8 2 1.2 0.9 0.6 0.1 0 4QFY16 1QFY17 2QFY17 3QFY17 4QFY17 ■ Offshore Onsite ■Total volume growth

Exhibit 3: Trend in volume growth qoq (Effort wise)

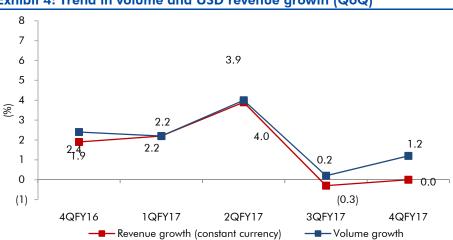


Exhibit 4: Trend in volume and USD revenue growth (QoQ)

Source: Company, Angel Research

Industry wise, revenue from FSI, the company's anchor vertical, which contributed 33.5% to revenues, grew by 0.5% qoq; in CC terms, revenue from FSI grew by 1.3% qoq. The Manufacturing industry vertical, which contributed 22.4% to revenues, grew by 0.4% qoq. In CC terms, the revenue from this vertical was flat sequentially.

The Retail, CPG and Logistics segment (RCL; contributed 22.7% to revenues) reported a 3.1% qoq growth. In CC terms, the revenue from RCL grew by 2.7% qoq. The Energy Utilities and Communications & Services segment contributed 21.4% to revenue, reporting a growth of 3.9% qoq in revenue and 2.8% qoq on CC basis.

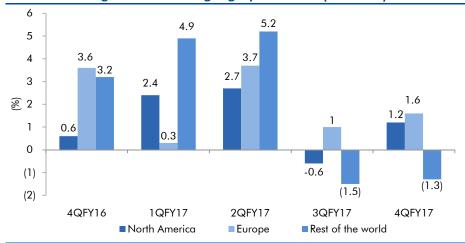


Exhibit 5: Growth trend in industry segments (Reported basis)

Particulars	% to revenue	% growth QoQ	% growth YoY
FSI	33.5	1.3	7.3
Banking and financial services	27.4	1.4	5.0
Insurance	6.1	0.7	18.6
Manufacturing	22.4	0.3	3.6
RCL	22.7	(2.7)	(2.7)
Retail and CPG	14.1	(2.7)	(1.3)
Transport and logistics	2.0	0.7	16.7
Life Sciences	4.6	0.7	(15.2)
Healthcare	2.0	(12.4)	5.0
ECS	21.4	4.1	12.4
Energy and utilities	5.0	0.7	1.0
Communication and services	9.9	9.6	20.9
Others	6.5	(0.8)	10.1

In terms of geographies, revenue from North America grew by 1.2% qoq in CC terms, while other geographies such as Europe de-grew by 1.6% qoq and RoW degrew by 1.3% qoq (both in CC terms). India posted a 6.9% qoq de-growth in CC terms.

Exhibit 6: USD growth trend in geographies QoQ (CC basis)



Source: Company, Angel Research



#### Hiring and utilization

Infosys added 9,130 gross employees in 4QFY2017, of which 3,967 were lateral additions. The net reduction number for the quarter stood at 601. Attrition (for standalone entity) cooled down in 4QFY2017; it came down to 17.1% (LTM) v/s 18.4% in 3QFY2017.

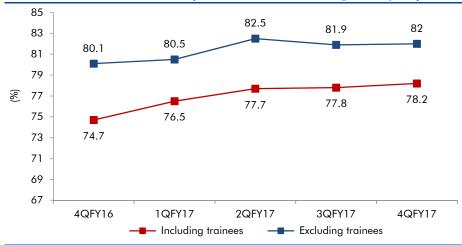
**Exhibit 7: Employee metrics** 

	4QFY16	1QFY17	2QFY17	3QFY17	4QFY17
Gross addition	9,034	13,268	12,717	9,120	9,130
Net addition	661	3,006	2,779	(66)	601
Gross lateral emp. addition	5,266	5,260	5,752	4,000	3,967
Attrition – LTM basis (%)*	17.3	21.0	20.0	18.4	17.1

Source: Company, Angel Research, Note-\* excluding subsidiaries

The utilization rate including trainees grew by 40bps qoq to 78.2% (77.8% in 3QFY2017); while excluding trainees, it grew by 10bps qoq to 82.0%.

Exhibit 8: Trend in utilization (Services and Consulting + Projects)

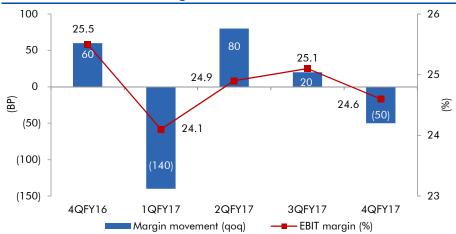


Source: Company, Angel Research

# Margins dips

On the operating front, EBDITA and EBIT margins dipped by  $\sim$ 40bps qoq and  $\sim$ 49bps qoq to 27.2% v/s an expected 27.1% and 24.6% respectively. Margins during the quarter were impacted because of INR appreciation to the tune of 35bps, while cross-currency movements and revenue hedges resulted in a tailwind of 50bps. However, this was more than offset by a decline in realization and increased costs, resulting in the 40bps decline.





**Exhibit 9: Trend in EBIT margin** 

Source: Company, Angel Research

## **Client pyramid**

Infosys added 71 new clients (gross additions) during the quarter, taking its total active client base to 1,162. The client addition was across the board. The company bagged New deals with TCV of US\$806mn, during the quarter. TCV of deal wins on LTM basis is US\$3.5bn, which is 10% higher.

**Exhibit 10: Client metrics** 

Particulars	4QFY16	1QFY17	2QFY17	3QFY17	4QFY17
Top client (% of revenue)	3.6	3.6	3.5	3.1	3.3
Gross Client addition	89	95	78	77	71
Active client	1092	1126	1136	1152	1162
US\$1mn-5mn	290	306	300	316	316
US\$5mn-10mn	91	88	91	80	93
US\$10mn-20mn	89	93	97	97	98
US\$20mn-50mn	32	35	35	36	35
US\$50mn-100mn	17	21	24	22	25
US\$100mn-200mn	8	11	12	14	13
US\$200mn-300mn	5	6	5	5	5
US\$300mn plus	1	1	1	1	1

Source: Company, Angel Research

## **Concall Highlights**

- Infosys won deals worth TCV of US\$806mn during the quarter.
- Changes in the regulatory landscape around visa usage are anticipated. However, the company has been driving local hiring, and reducing dependency on H1B visas.
- Infosys maintained its guidance of EBIT margin band of 23-25% for the medium term.



# Investment arguments

Revenue guidance moderate for FY2018: The Management has given the revenue growth guidance for FY2018, which is moderate. The company has guided for 6.5-8.5% CC growth. This implies CC revenue growth of 2.2-3.0% qoq for the future quarters. The company faced multiple challenges in FY2017 among which execution issues in Consulting and the loss of the RBS contract were the major ones, resulting in a loss of revenue growth momentum. For FY2017, the company posted a 8.3% growth in CC terms v/s a guidance of 8.4-8.8% growth (in CC terms). Currently, we have factored a growth for FY2018 (INR and USD growth of 8.0% and 8.0% respectively). Over FY2017-19E, we expect USD and INR revenue to grow at a CAGR of 8.5% and 8.5%, respectively.

Operating margin likely to be range bound in near term: For FY2018, the company had guided for an EBIT margins of 23-25%, mainly factoring in currency impact and investment in onsite facility. For FY2017, the EBIT margins came in at 24.7%, which was against the guidance of 24-26%. Over FY2017–19E, we expect an EBIT CAGR of 6.1%, with FY2018E and FY2019E EBIT margins expected to come in at 23.6% respectively. The moderation in margin is expected to be for the near term, as the company plans to move towards automation, in order to safeguard its EBIT margin pressures.

#### **Outlook and valuation**

The company has downgraded its USD revenue growth guidance for FY2018 to 6.5-8.5% on CC basis. We expect the company to post ~8.0% USD revenue growth in FY2018. The company has changed its capital allocation policy from paying out 50% of PAT to 70% of Free Cash Flow. Additionally, it would payout US\$2bn in FY2018, however, the mode and timeline would become clear over time. The stock currently trades at a valuation of 14.3x its FY2018E earnings. We recommend a BUY on the stock with a Target Price of ₹1,179.

**Exhibit 11: Key assumptions** 

Parameters	FY2018E	FY2019E
Revenue growth – USD terms (%)	8.0	9.0
USD-INR rate	67.1	67.1
Revenue growth – INR terms (%)	8.0	9.0
EBITDA margin (%)	26.0	26.0
Tax rate (%)	28.0	28.0
EPS growth (%)	3.0	7.7

Source: Company, Angel Research







**Exhibit 13: Recommendation summary** 

Company	Reco	СМР	Tgt. price	Upside	FY2018E	FY2018E	FY2016-18E	FY2018E	FY2018E
. ,		(₹)	(₹)	(%)	EBITDA (%)	P/E (x)	EPS CAGR (%)	EV/Sales (x)	RoE (%)
HCL Tech	Виу	808	1,000	23.7	20.5	13.0	9.6	1.8	17.9
Infosys	Buy	922	1,179	27.8	26.0	14.3	4.4	2.8	19.7
TCS	Виу	2,309	2,700	17.0	27.6	15.5	8.5	3.2	33.1
Tech Mahindra	Buy	418	600	43.4	17.0	12.2	11.4	0.9	20.7
Wipro	Виу	494	583	18.0	18.1	12.1	4.0	1.7	17.6

Source: Company, Angel Research

# **Company Background**

Infosys is the second largest IT company in India, employing over 2,00,364 professionals (as of FY2017). The company services more than 1,000 clients across various verticals, such as financial services, manufacturing, telecom, retail and healthcare. Infosys has the widest portfolio of service offerings amongst Indian IT companies, spanning across the entire IT service value chain - from traditional Application Development and Maintenance to Consulting and Package Implementation to Products and Platforms.



Profit and loss statement (IFRS, consolidated)

Y/E March (₹ cr)	FY2014	FY2015	FY2016	FY2017	FY2018E	FY2019E
Net sales	50,133	53,319	62,441	68,484	73,963	80,619
Cost of revenue	30,767	31,817	37,595	41,550	37,721	41,116
Gross profit	19,366	21,502	24,846	26,934	28,476	31,038
% of net sales	38.6	40.3	39.8	39.3	38.5	38.5
Selling and mktg exp.	2,625	2,941	3,431	3,591	4,068	4,434
% of net sales	5.2	5.5	5.5	5.2	5.5	5.5
General and admin exp.	3,107	3,663	4,292	4,739	5,177	5,643
% of net sales	6.2	6.9	6.9	6.9	7.0	7.0
EBITDA	13,634	14,898	17,123	18,604	19,230	20,961
% of net sales	27.2	27.9	27.4	27.2	26.0	26.0
Dep and amortization	1,374	1,066	1,503	1,703	1,775	1,935
% of net sales	2.7	2.0	2.4	2.5	2.4	2.4
EBIT	12,260	13,832	15,620	16,901	17,455	19,026
% of net sales	24.5	25.9	25.0	24.7	23.6	23.6
Other income	2,669	3,427	3,122	3,080	3,080	3,080
Profit before tax	14,929	17,259	18,742	19,981	20,535	22,106
Provision for tax	4,062	4,929	5,251	5,598	5,750	6,190
% of PBT	27.2	28.6	28.0	28.0	28.0	28.0
PAT	10,648	12,330	13,491	14,383	14,785	15,916
Exceptional item	219	-	-	(30)	-	-
Adj. PAT	10,867	12,330	13,491	14,353	14,785	15,916
EPS (₹)	47.3	53.7	59.0	62.5	64.4	69.3



**Balance sheet (IFRS, consolidated)** 

Y/E March (₹ cr)	FY2014	FY2015	FY2016	FY2017	FY2018E	FY2019E
Current assets						
Cash and cash equivalents	25,950	30,367	32,697	22,625	32,430	37,082
Available for sale fin. assets	2,197	874	75	9,970	9,970	9,970
Invest. in certificates of deposit	859	93	103	71	71	71
Trade receivables	8,351	9,713	11,330	12,322	12,426	13,544
Unbilled revenue	2,811	2,845	3,029	3,648	3,648	3,648
Derivative financial instrum.	215	101	116	284	284	284
Prepayments and other CA	2,636	3,296	4,448	4,856	4,290	4,676
Total current assets	43,019	47,289	51,798	53,776	63,119	69,275
Non-current assets						
Property, plant and equipm.	7,887	9,125	10,530	11,716	11,916	12,116
Goodwill	2,157	3,091	3,764	3,652	2,157	2,158
Intangible assets	342	638	985	776	342	343
Available for sale fin. Assets	1,252	1,345	1,811	6,382	1,252	1,253
Deferred income tax assets	656	537	536	540	656	657
Income tax assets	1,522	4,089	5,230	5,716	5,716	5,716
Other non-current assets	220	238	735	797	1,793	1,794
Total non-current assets	14,036	19,063	23,591	29,579	23,832	24,037
Total assets	57,055	66,352	75,389	83,355	86,951	93,312
Current liabilities						
Trade payables	173	140	386	367	173	174
Derivative financial instrum.	-	3	5	2	-	1
Current income tax liabilities	2,187	2,818	3,410	3,885	3,787	3,788
Client deposits	40	27	28	32	40	41
Unearned revenue	660	1,052	1,332	1,777	660	661
Employee benefit obligations	954	1,069	1,341	1,359	954	955
Provisions	379	478	512	405	379	380
Other liabilties	4,745	5,796	6,225	6,186	5,545	5,546
Total current liabilities	9,138	11,383	13,239	14,013	11,538	11,546
Non-current liabilities						
Deferred income tax liabilties	64	160	256	207	64	65
Employee benefit obligations	323	46	115	153	323	324
Other liabilities	-	-	-	-	-	-
Total non-current liabilities	387	206	371	360	387	388
Total liabilities	9,525	11,589	13,610	14,373	11,925	11,934
Equity						
Share capital	286	572	1,144	1,144	1,144	1,144
Share premium	3,090	3,090	2,241	2,356	2,356	2,356
Retained earnings	43,584	50,531	57,655	65,056	70,955	77,306
Other components of equity	570	570	739	426	571	572
Total equity	47,530	54,763	61,779	68,982	75,026	81,378
Total liabilties and equity	57,055	66,352	75,389	83,355	86,951	93,312



Cash flow statement (IFRS, consolidated)

Y/E March (₹ cr)		FY2015	FY2016	FY2017	FY2018E	FY2019F
Pre tax profit from operations	12,260	13,832	15,620	16,901	17,455	19,026
Depreciation	1,374	1,066	1,503	1,703	1,775	1,935
Pre tax cash from operations	13,634	14,898	17,123	18,604	19,230	20,961
Other income/prior period ad	2,669	3,427	3,122	3,080	3,080	3,080
Net cash from operations	16,303	18,325	20,245	21,684	22,310	24,041
Tax	4,062	4,929	5,251	5,598	5,750	6,190
Cash profits	12,241	13,396	14,994	16,086	16,560	17,851
(Inc)/dec in current assets	(2,271)	(1,942)	(2,968)	(2,187)	462	(1,504)
Inc/(dec) in current liabilties	2,852	2,245	1,856	774	(2,475)	8
(Inc)/dec in net trade WC	581	303	(1,112)	(1,413)	(2,013)	(1,496)
Cashflow from operating actv.	12,822	13,699	13,882	14,673	14,548	16,355
(Inc)/dec in fixed assets	(2,793)	(2,304)	(2,908)	(2,889)	(1,975)	(2,135)
(Inc)/dec in investments	(1,317)	2,089	789	(9,863)	-	-
(inc)/dec in sale of financial assets	(858)	(93)	(466)	(4,571)	5,130	(1)
(Inc)/dec in deferred tax assets	(583)	(2,448)	(1,140)	(490)	(116)	(1)
Inc/(dec) in other non current liab.	119	(181)	165	(11)	27	1
(Inc)/dec in other non current ass.	(138)	(1,248)	(1,517)	259	933	(3)
Cashflow from investing actv.	(5,570)	(4,185)	(5,077)	(17,565)	3,999	(2,139)
Inc/(dec) in debt	-	-	-	-	-	-
Inc/(dec) in equity/premium	1,099	450	889	515	(218)	(1,040)
Dividends	4,233	5,547	7,364	7,695	8,523	8,524
Cashflow from financing actv.	(3,134)	(5,097)	(6,475)	(7,180)	(8,741)	(9,565)
Cash generated/(utilised)	4,118	4,417	2,330	(10,072)	9,806	4,651
Cash at start of the year	21,832	25,950	30,367	32,697	22,625	32,431
Cash at end of the year	25,950	30,367	32,697	22,625	32,431	37,082



**Key ratios** 

Y/E March	FY2014	FY2015	FY2016	FY2017	FY2018E	FY2019E
Valuation ratio (x)						
P/E	19.5	17.2	15.6	14.8	14.3	13.3
P/CEPS	17.3	15.8	14.1	13.2	12.8	11.9
P/BVPS	4.5	3.9	3.4	3.1	2.8	2.6
Dividend yield (%)	1.7	2.0	2.7	2.7	3.5	3.8
EV/Sales	3.6	3.4	2.8	2.6	2.3	2.0
EV/EBITDA	13.3	12.0	10.3	9.5	8.7	7.8
EV/Total assets	3.2	2.7	2.3	2.1	1.9	1.7
Per share data (₹)						
EPS	47	54	59	63	64	69
Cash EPS	53	58	65	70	72	78
Dividend	16	19	25	25	32	35
Book value	207	239	269	300	327	354
Dupont analysis						
Tax retention ratio (PAT/PBT)	0.7	0.7	0.7	0.7	0.7	0.7
Cost of debt (PBT/EBIT)	1.2	1.2	1.2	1.2	1.2	1.2
EBIT margin (EBIT/Sales)	0.2	0.3	0.3	0.2	0.2	0.2
Asset turnover ratio (Sales/Assets)	0.9	0.8	8.0	8.0	0.9	0.9
Leverage ratio (Assets/equity)	1.2	1.2	1.2	1.2	1.2	1.1
Operating ROE	22.4	22.5	21.8	20.9	19.7	19.6
Return ratios (%)						
RoCE (pre-tax)	21.5	20.8	20.7	20.3	20.1	20.4
Angel RoIC	43.7	39.5	36.7	33.3	39.2	41.2
RoE	22.9	22.5	21.8	20.8	19.7	19.6
Turnover ratios(x)						
Asset turnover (fixed assets)	6.4	5.8	5.9	5.8	6.2	6.7
Receivables days	81	86	84	85	79	78



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Ratings (Based on expected returns over 12 months investment period):

Buy (> 15%)

Accumulate (5% to 15%)

Reduce (-5% to -15%)

Neutral (-5 to 5%)

Sell (< -15)