

Tata Consultancy Services (TCS)

Performance highlights

(` cr)	3QFY18	2QFY18	% chg (qoq)	3QFY17	% chg (yoy)
Net revenue	30,904	30,541	1.2	29,735	3.9
Adj. EBITDA	7,065	8,164	(13.5)	8,088	(12.6)
Adj. EBITDA margin (%)	26.8	26.7	8.4bps	27.2	(87.3)bps
Adj. PAT	6,531	6,446	1.3	6,778	(3.6)

Source: Company, Angel Research

TCS posted a 1.0% sequential growth in USD revenues to US\$4,787mn v/s US\$4,801mn expected. In rupee terms, revenues came in at `30,904cr V/s `31,049cr, up 1.2% QoQ. In Constant Currency (CC) terms, the company posted a 1.3% QoQ growth with volume growth coming in at 1.6% QoQ (highest growth in three years for the December quarter). On profitability front, EBIT margin showed an upside of ~12bps QoQ to 25.2%. Consequently, PAT came in at 6,531cr v/s `6,509cr expected, up of 1.3% QoQ. We maintain our Reduce rating on the stock, with a price target of `2,493.

Quarterly highlights: TCS posted a 1.0% sequential growth in USD revenues to US\$4,787mn v/s US\$4,801mn expected. In Constant Currency (CC) terms, the company posted a 1.3% QoQ growth with volume growth coming in at 1.6% QoQ (highest growth in since three years for the December quarter). Geography wise, USA was key driver, with North America & Latin America registering a QoQ CC growth of 1.5% and 5.0% respectively. In Europe, it was Continental Europe registering a QoQ CC growth of 2.6%. In terms of Industries, Retail & CPG registered a QoQ CC growth of 6.4%, Energy & Utilities grew 8.5% and Life Sciences & Healthcare posted 2.5%. On profitability front, EBIT margin showed an upside of ~12bps QoQ to 25.2%. Consequently, PAT came in at 6,531cr V/s `6,509cr expected, up 1.3% QoQ.

Outlook and valuation: The Company has been cautiously optimistic regarding its outlook for FY2018, with key verticals like BFSI and Hi-Tech expected to post a recovery. During 3QFY2018, it signed a multiyear Digital contract, the highest value digital contract for the company so far. We expect TCS to post revenue CAGR of 9.3% and 7.6% in USD & INR terms respectively over FY2017-19E. **Hence, we maintain our Reduce recommendation.**

Key financials (Consolidated, IFRS)

Y/E March (`cr)	FY2016	FY2017	FY2018E	FY2019E
Net sales	108,646	117,966	123,384	136,504
% chg	14.8	8.6	4.6	10.6
Net profit	24,215	26,289	26,346	28,700
% chg	11.6	8.6	0.2	8.9
EBITDA margin (%)	28.3	27.5	26.4	26.3
EPS (`)	123.7	134.3	134.6	146.6
P/E (x)	22.4	20.6	20.6	18.9
P/BV (x)	7.4	6.1	5.7	5.3
RoE (%)	33.1	29.8	27.8	28.3
RoCE (%)	31.6	28.8	27.0	27.6
EV/Sales (x)	4.6	4.1	4.0	3.5
EV/EBITDA (x)	16.3	15.0	15.0	13.4

Source: Company, Angel Research; Note: CMP as of January 12, 2018

REDUCE

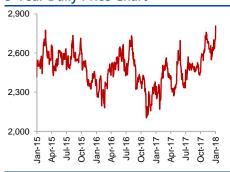
CMP	`2,773
Target Price	`2,493
Investment Period	12 Months

Stock Info	
Sector	IT
Market Cap (`cr)	530,813
Net Debt (` cr)	(45,288)
Beta	0.3
52 Week High / Low	2,820/2,154
Avg. Daily Volume	42,762
Face Value (`)	1
BSE Sensex	32,507
Nifty	110,681
Reuters Code	TCS.BO
Bloomberg Code	TCS@IN

Shareholding Pattern (%)	
Promoters	73.6
MF / Banks / Indian Fls	6.1
FII / NRIs / OCBs	16.4
Indian Public / Others	4.0

Abs.(%)	3m	1yr	3yr
Sensex	6.0	27.0	25.4
TCS	7.3	18.3	10.4

3-Year Daily Price Chart



Source: Company, Angel Research

Sarabjit kour Nangra

+91 22 3935 7800 Ext: 6806 sarabjit @angelbroking.com



Exhibit 1: 3QFY2018 performance (Consolidated, IFRS)

(` cr)	3QFY2018	2QFY2018	% chg (qoq)	3QFY2017	% chg (yoy)	9MFY2018	9MFY2017	% chg(yoy)
Net revenue	30,904	30,541	1.2	29,735	3.9	91,029	88,324	3.1
Cost of revenue	17,356	16,572	4.7	16,378	6.0	51,255	48,732	5.2
Gross profit	13,548	13,969	(3.0)	13,357	1.4	39,774	39,592	0.5
SG&A expense	5,261	5,805	(9.4)	5,124	2.7	15,910	15,413	3.2
EBITDA	8,287	8,164	1.5	8,233	0.7	23,864	24,179	(1.3)
Dep. and Amortization	506	504	0.4	500	1.2	1,509	1,482	1.8
EBIT	7,781	7,660	1.6	7,733	0.6	22,355	22,697	(1.5)
Other income	864	812	6.4	1,185	(27.1)	2,608	3,200	(18.5)
PBT	8,645	8,472	2.0	8,918	(3.1)	24,963	25,897	(3.6)
Income tax	2,100	2,012	4.4	2,104	(0.2)	6,008	6,162	(2.5)
PAT	6,545	6,460	1.3	6,814	(3.9)	18,955	19,735	(4.0)
Earnings in affiliates	-	-		-	-	-	-	-
Minority interest	14	14		36	-	33	54	
Reported PAT	6,531	6,446	1.3	6,778	(3.6)	18,922	19,681	(3.9)
Adj. PAT	6,531	6,446	1.3	6,778	(3.6)	18,922	19,681	(3.9)
EPS	34.1	33.7	1.3	34.4	(0.8)	96.6	100.5	(3.9)
Gross margin (%)	43.8	45.7	(190)bps	44.9	(108)bps	43.7	44.8	(113)bps
EBITDA margin (%)	26.8	26.7	8bps	27.7	(87)bps	26.2	27.4	(116)bps
EBIT margin (%)	25.2	25.1	12bps	26.0	(81)bps	24.6	25.7	(114)bps

Exhibit 2: Actual v/s Angel estimates

(` cr)	Actual	Estimate	Var. (%)
Net revenue	30,904	31,049	(0.5)
EBIT margin (%)	25.2	24.9	30
Adj. PAT	6,531	6,509	0.3

Source: Company, Angel Research

Numbers lower than expectations

TCS posted a 1.0% sequential growth in USD revenues to US\$4,787mn v/s US\$4,801mn expected. In rupee terms, revenues came in at `30,904cr V/s `31,049cr, up 1.2% qoq. In Constant Currency (CC) terms, the company posted a 1.3% qoq growth with volume growth coming in at 1.6% qoq growth (highest growth in three years for the December quarter). Geography wise, USA was key driver, with North America & Latin America registering a qoq CC growth of 1.5% and 5.0% respectively. In Europe, it was Continental Europe registering a qoq CC growth of 2.6%. In terms of Industries, Retail & CPG registered a qoq CC growth of 6.4%, Energy & Utilities grew 8.5% and Life Sciences & Healthcare posted 2.5%.

In terms of verticals, on CC basis, the growth registered by the company in respective segments was mixed with BFSI down marginally (1.5% qoq), Energy Utilities (8.5% qoq) and Retail & CPG (6.4% qoq) up significantly, and remaining segments performing well including Communication & Media (2.2% qoq), Manufacturing (2.1% qoq), Life Sciences & Healthcare (2.5% qoq), and Travel & Hospitality (0.1% qoq).

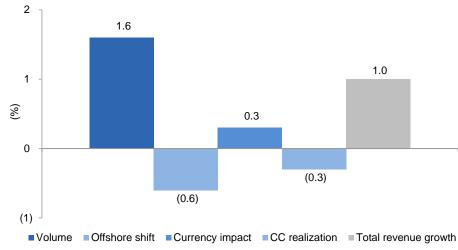
In terms of geography, on CC basis, qoq growth was North America (1.5%), Latin America (5.0%), UK (0.8%), Continental Europe (2.6%), India (0.5%), Asia Pacific (0.0%), MEA (-0.2%).



30 27.7 27.5 26.8 26.8 25.1 8 25 26.0 25.7 25.2 25.1 23.4 20 15 3QFY17 4QFY17 1QFY18 2QFY18 3QFY18 —■ EBITDA margin ■ EBIT margin

Exhibit 3: Trend in volume and revenue growth (QoQ)





Source: Company, Angel Research

BFSI in 3QFY2018 saw a decline of 1.5% qoq, led by softened demand trends. Retail, which has been a troubled area in recent quarters, saw a decline in 2QFY2018 when it bottomed out. In 3QFY2018, the vertical grew by 6.4% qoq CC staging a comeback. Digital, now 22.1% of total revenues continued exhibiting strength having grown by 13.9% qoq CC. TCS won a US\$50mn+ deal in digital this quarter.

January 15, 2018



Exhibit 5: Revenue growth (Industry wise on CC basis)

	% to revenue	% chg (CC qoq)	% chg (yoy)
BFSI	32.1	(1.5)	0.2
Manufacturing	7.6	2.1	9.5
Communication & Media	7.4	2.2	16.5
Life sciences and healthcare	7.3	2.5	13.5
Retail and CPG	12.5	6.4	3.0
Transportation & Hospitality	3.8	2.9	24.1
Energy and utilities	4.5	8.5	29.4
Technology & Services	8.0	0.1	9.6
Regional Markets & Others	16.8	0.5	2.2

Geography wise, qoq growth in INR sales in key geographies on CC basis was as follows: USA (1.5%), Latin America (5.0%), UK (0.8%), India (0.5%), and MEA (-0.2%). However, Continental Europe and Asia Pacific posted qoq growth of 2.6% and 0.0% on CC basis respectively.

Exhibit 6: Revenue growth (Geography wise in INR terms)

	% of revenue	% chg (CC qoq)	% chg (yoy)
U.S.	52.0	1.5	2.8
Latin America	2.2	5.0	5.4
U.K.	14.1	0.8	8.2
Continental Europe	13.5	2.6	22.3
India	6.3	0.5	4.1
Asia Pacific	9.5	0.0	6.2
MEA	2.4	(0.2)	3.7

Source: Company, Angel Research

Attrition rate expands

In 3QFY2018, TCS witnessed a gross addition of 12,534 employees and net addition of 1,667 employees, taking its total employee base to 3,90,880. During the quarter, the attrition rate (last twelve-month [LTM] basis) for the company increased to 11.9% from 11.3% in 2QFY2018.

Exhibit 7: Hiring and attrition trend

Particulars	3QFY17	4QFY17	1QFY18	2QFY18	3QFY18
Gross addition	18,362	20,093	11,202	15,868	12,534
Net addition	6,978	8,726	(1,414)	3,404	1,667
Total employee base	3,78,497	3,87,223	3,85,809	3,89,213	3,90,880
Attrition (%) - LTM basis	12.2	11.5	12.4	11.3	11.9

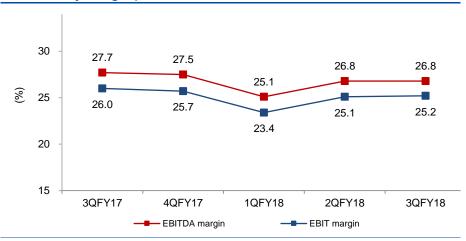
Source: Company, Angel Research



Margin expands

On the operating front, the company reported EBITDA and EBIT margins at 26.8% and 25.2%, i.e. an expansion of 5ps and 6bps qoq respectively. The company has maintained an EBIT margin Target of 26-28%.

Exhibit 8: Adj. Margin profile



Source: Company, Angel Research

Client metrics

The client pyramid during the quarter witnessed a qualitative improvement with client additions seen in the higher revenue brackets. The clients in US\$20mn+revenue band increased by 7 and in US\$50mn+ revenue band increased by 3.

Exhibit 9: Client pyramid

	3QFY17	4QFY17	1QFY18	2QFY18	3QFY18
US\$1mn-5mn	426	438	441	463	456
US\$5mn-10mn	154	149	142	142	148
US\$10mn-20mn	114	120	132	132	134
US\$20mn-50mn	106	106	105	105	109
US\$50mn-100mn	46	49	49	54	57
US\$100mn plus	34	35	36	37	37

Source: Company, Angel Research



Investment Argument

Guidance – Stability visible: While management has not given any guidance for FY2018, it expects its key verticals like BFSI, Communications and Hi-Tech to stabilize as we move forward. Digital also continues to see good traction, constituting 22.1% of total revenue, and having grown by 13.9% qoq CC and 39.6% yoy. Overall, the volume growth has been robust according to us for the 1HFY2018, in spite of the challenges. On EBIT front, the company expects to manage its margins in 26-28% range over medium term. For FY2018, we have estimated the EBIT margins of 24.5% V/s 24.6% in 9MFY2018. On sales front, we expect the company to post a US\$ revenue CAGR of 9.3% over FY2017-19E.

Management Rejig: With Mr. Natarajan Chandrasekaran being the Chairman of Tata Sons since February 21, 2017, CFO Mr. Rajesh Gopinathan has taken charge as the CEO of the company. He started his professional career with TCS in 2001 and was appointed as the CFO in February 2013. TCS also announced N G Subramanian as the COO of the company. Thus, the new targets under the new CEO will have a bearing on the performance of the company.

Outlook and valuation

Over FY2017-19E, we expect TCS to post revenue CAGR of 9.3% and 7.6% in USD and INR terms, respectively. The company highlighted that it stands comfortable in sustaining the EBIT margin in the range of 26-28%. On the EBIT and PAT fronts, we expect the company to post 5.0% and 4.5% CAGR over FY2017-19E respectively. The stock is trading at 18.9x FY2019E EPS of `146.6. **We maintain our Reduce recommendation.**

Exhibit 10: Key assumptions

	FY2018E	FY2019E
Revenue growth (USD)	8.0	11.0
USD-INR rate (realized)	65.0	65.0
Revenue growth (`)	4.6	10.6
EBITDA margin (%)	26.4	26.3
Tax rate (%)	23.5	23.5
EPS growth (%)	0.2	8.9

Source: Company, Angel Research







Exhibit 12: Recommendation summary

Company	Reco	СМР	Tgt. price	Upside	FY2019E	FY2019E	FY2017-19E	FY2019E	FY2019E
		()	()	(%)	EBITDA (%)	P/E (x)	EPS CAGR (%)	EV/Sales (x)	RoE (%)
HCL Tech	Accumulate	926	1,014	9.6	20.9	13.7	6.2	1.8	20.6
Infosys	Neutral	1,078	-	-	26.0	16.4	5.3	2.1	19.6
TCS	Reduce	2,773	2,493	(10.1)	26.3	18.9	4.5	3.5	28.3
Tech Mahindra	Neutral	550	-	-	15.0	14.6	8.6	1.3	16.3
Wipro	Reduce	319	280	(12.2)	20.3	16.3	4.4	1.5	13.4

Source: Company, Angel Research



Company background

TCS is Asia's largest IT services provider and is amongst the top 10 technology firms in the world. The company has a global footprint with an employee base of over 3lakh professionals, offering services to more than 1,000 clients across various industry segments. The company has one of the widest portfolios of service offerings, spanning across the entire IT service value chain – from traditional application development and maintenance to consulting and package implementation to products and platforms.



Profit & Loss statement (Consolidated, IFRS)

Y/E March (`cr)	FY2015	FY2016	FY2017	FY2018E	FY2019E
Net sales	94,648	108,646	117,966	123,384	136,504
	50,599	58,952	64,764	68,478	75,760
Cost of revenue	•		·	•	
Gross profit	44,049	49,695	53,202	54,906	60,744
% of net sales	46.5	45.7	45.1	44.5	44.5
SGA expenses	17,353	18,956	20,755	22,332	24,844
% of net sales	18.3	17.4	17.6	18.1	18.2
EBITDA	26,696	30,738	32,447	32,573	35,901
% of net sales	28.2	28.3	27.5	26.4	26.3
Dep. and amortization	1272	1948	2123	2221	2457
% of net sales	1.3	1.8	1.8	1.8	1.8
EBIT	25,424	28,790	30,324	30,352	33,444
% of net sales	26.9	26.5	25.7	24.6	24.5
Other income, net	3140	3050	4189	4189	4189
Profit before tax	28,564	31,840	34,513	34,541	37,633
Provision for tax	6,083	7,503	8,156	8,117	8,844
% of PBT	21.3	23.6	23.6	23.5	23.5
PAT	22,481	24,338	26,357	26,424	28,789
Minority interest	205	123	68	78	89
Extra-ordinary (Exp.)/ Inc.	-2627.9				
Reported PAT	19,648	24,215	26,289	26,346	28,700
Adj. PAT	21,696	24,215	26,289	26,346	28,700
Diluted EPS (`)	110.9	123.7	134.3	134.6	146.6



Balance sheet (Consolidated, IFRS)

Y/E March (` cr)	FY2015	FY2016	FY2017	FY2018E	FY2019E
Assets					
Cash and cash equivalents	1,862	1,862	3,597.0	3,477.2	3,356.1
Other current financial assets	16,383	4,833	-	-	-
Accounts receivable	20,440	24,073	22,684	31,762	31,812
Unbilled revenues	3,827	3,992	5,351	5,348	5,349
Other current assets	6,414	5,975	7,258	7,258	7,258
Property and equipment	11,572	11,790	11,741	12,741	13,741
Intangible assets and goodwill	3,931	3,946	3,768	3,768	3,768
Investments	9,619	22,822	41,980	39,267	47,133
Other non current assets	906	11,919	8,974	8,974	8,974
Total assets	74,954	91,212	105,353	112,595	121,391
Liabilities					
Current liabilities	14,428	15,407	14,294	14,806	16,381
Short term borrowings	243	162	218	218	218
Redeemable preference shares	-	(0)	-	1	2
Long term debt	114	83	71	71	71
Other non current liabilities	1,778	2,017	2,089	2,431	2,689
Minority interest	914	354	366	444	533
Shareholders funds	57,477	73,190	88,315	94,625	101,498
Total liabilities	74,954	91,212	105,353	112,595	121,391

January 15, 2018



Cash flow statement (Consolidated, IFRS)

Y/E March (`cr)	FY2015	FY2016	FY2017	FY2018E	FY2019E
Pre-tax profit from oper.	22,481	24,338	26,357	26,424	28,789
Depreciation	1,272	1,948	2,123	2,221	2,457
Exp. (deferred)/written off	160	174	-	-	-
Pre tax cash from oper	23,913	26,460	28,480	28,645	31,246
Other inc./prior period ad	1,272	1,948	2,123	2,221	2,457
Net cash from operations	25,185	28,408	30,604	30,866	33,703
Tax	6,083	7,503	8,156	8,117	8,844
Cash profits	19,102	20,905	22,448	22,749	24,859
(Inc)/dec in acc. recv.	(2,210)	(3,633)	1,389	(9,078)	(50)
(Inc)/dec in unbilled rev.	179	(165)	(1,359)	3	(1)
(Inc)/dec in oth. current asst.	(6,414)	439	(1,283)	-	-
Inc/(dec) in current liab.	(1,207)	(218)	49	(1,000)	(1,000)
Net trade working capital	(9,652)	(3,577)	(1,204)	(10,074)	(1,051)
Cash flow from opert. actv.	9,450	17,328	21,243	12,674	23,808
(Inc)/dec in fixed assets	(1,207)	(218)	49	(1,000)	(1,000)
(Inc)/dec in investments	(4,446)	(1,653)	(14,325)	2,713	(7,866)
(Inc)/dec in intangible asst.	(226)	16	(178)	-	-
(Inc)/dec in non-cur.asst.	(906)	(11,013)	2,945	-	-
Cash flow from invt. actv.	(6,786)	(12,869)	(11,509)	1,713	(8,866)
Inc/(dec) in debt	61	(113)	44	-	-
Inc/(dec) in minority int.	223	(559)	12	78	89
Dividends	(19,923)	(18,415)	(19,993)	(20,036)	(21,826)
Others	16,976	14,629	10,202	5,571	6,794
Cash flow from finan. actv.	(2,664)	(4,459)	(9,735)	(14,387)	(14,943)
Cash generated/(utilized)	393	-	1,735	(120)	(121)
Cash at start of the year	1,469	1,862	1,862	3,597	3,477
Cash at end of the year	1,862	1,862	3,597	3,477	3,356



Key ratios

Key ratios					
Y/E March	FY2015	FY2016	FY2017	FY2018E	FY2019E
Valuation ratio(x)					
P/E (on FDEPS)	25.0	22.4	20.6	20.6	18.9
P/CEPS	26.0	20.8	19.1	19.0	17.4
P/BVPS	9.4	7.4	6.1	5.7	5.3
Dividend yield (%)	1.6	1.4	1.6	1.6	1.7
EV/Sales	5.3	4.6	4.1	4.0	3.5
EV/EBITDA	18.8	16.3	15.0	15.0	13.4
EV/Total assets	6.7	5.5	4.6	4.3	4.0
Per share data (`)					
EPS	110.9	123.7	134.3	134.6	146.6
Cash EPS	106.8	133.6	145.1	145.8	159.1
Dividend	43.5	40.2	43.6	43.7	47.6
Book value	294	374	451	483	519
DuPont analysis					
Tax retention ratio (PAT/PBT)	0.8	0.8	0.8	0.8	0.8
Cost of debt (PBT/EBIT)	1.1	1.1	1.1	1.1	1.1
EBIT margin (EBIT/Sales)	0.3	0.3	0.3	0.2	0.2
Asset turnover ratio (Sales/Assets)	1.3	1.2	1.1	1.1	1.1
Leverage ratio (Assets/Equity)	1.3	1.2	1.2	1.2	1.2
Operating ROE	39.1	33.3	29.8	27.9	28.4
Return ratios (%)					
RoCE (pre-tax)	33.9	31.6	28.8	27.0	27.6
Angel RoIC	54.0	46.7	50.7	43.5	47.2
RoE	34.2	33.1	29.8	27.8	28.3
Turnover ratios(x)					
Asset turnover (fixed assets)	8.2	9.2	10.0	9.7	9.9
Receivables days	79	81	70	94	85

January 15, 2018



Research Team Tel: 022 - 39357800 E-mail: research@angelbroking.com Website: www.angelbroking.com

DISCLAIMER

Angel Broking Private Limited (hereinafter referred to as "Angel") is a registered Member of National Stock Exchange of India Limited, Bombay Stock Exchange Limited and Metropolitan Stock Exchange Limited. It is also registered as a Depository Participant with CDSL and Portfolio Manager with SEBI. It also has registration with AMFI as a Mutual Fund Distributor. Angel Broking Private Limited is a registered entity with SEBI for Research Analyst in terms of SEBI (Research Analyst) Regulations, 2014 vide registration number INH000000164. Angel or its associates has not been debarred/ suspended by SEBI or any other regulatory authority for accessing /dealing in securities Market. Angel or its associates/analyst has not received any compensation / managed or co-managed public offering of securities of the company covered by Analyst during the past twelve months.

This document is solely for the personal information of the recipient, and must not be singularly used as the basis of any investment decision. Nothing in this document should be construed as investment or financial advice. Each recipient of this document should make such investigations as they deem necessary to arrive at an independent evaluation of an investment in the securities of the companies referred to in this document (including the merits and risks involved), and should consult their own advisors to determine the merits and risks of such an investment.

Reports based on technical and derivative analysis center on studying charts of a stock's price movement, outstanding positions and trading volume, as opposed to focusing on a company's fundamentals and, as such, may not match with a report on a company's fundamentals. Investors are advised to refer the Fundamental and Technical Research Reports available on our website to evaluate the contrary view, if any.

The information in this document has been printed on the basis of publicly available information, internal data and other reliable sources believed to be true, but we do not represent that it is accurate or complete and it should not be relied on as such, as this document is for general guidance only. Angel Broking Pvt. Limited or any of its affiliates/ group companies shall not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. Angel Broking Pvt. Limited has not independently verified all the information contained within this document. Accordingly, we cannot testify, nor make any representation or warranty, express or implied, to the accuracy, contents or data contained within this document. While Angel Broking Pvt. Limited endeavors to update on a reasonable basis the information discussed in this material, there may be regulatory, compliance, or other reasons that prevent us from doing so.

This document is being supplied to you solely for your information, and its contents, information or data may not be reproduced, redistributed or passed on, directly or indirectly.

Neither Angel Broking Pvt. Limited, nor its directors, employees or affiliates shall be liable for any loss or damage that may arise from or in connection with the use of this information.

Disclosure of Interest Statement	TCS
1. Financial interest of research analyst or Angel or his Associate or his relative	No
2. Ownership of 1% or more of the stock by research analyst or Angel or associates or relatives	No
3. Served as an officer, director or employee of the company covered under Research	No
1 Rroking relationship with company covered under Research	No

Ratings (Based on expected returns

Buy (> 15%)

Accumulate (5% to 15%)

Neutral (-5 to 5%)

Reduce (-5% to -15%)

Sell (< -15)