

TATA CONSULTANCY SERVICES (TCS-IN)

Software & IT Services / Software & IT Services / IT Services & Consulting

DETAILED STOCK REPORT

Report Date: 2023-Jan-29

Last Close 3,411.05 (INR)	Avg Daily Vol 1.7M	52-Week High 3,882.50	Trailing PE 30.8	Annual Div 46.00	ROE 38.7%	LTG Forecast 10.4%	1-Mo Return 4.7%
2023 January 27 NSE Exchange	Market Cap 12.5T	52-Week Low 2,926.10	Forward PE 26.7	Dividend Yield 1.4%	Annual Rev 2.2T	Inst Own 15.6%	3-Mo Return 8.0%

AVERAGE SCORE

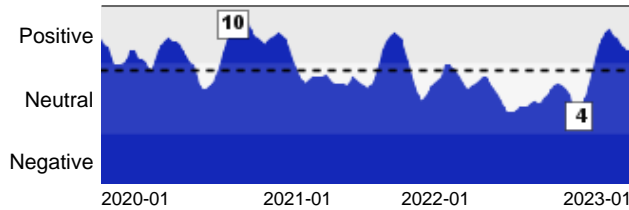
AVERAGE SCORE
8

POSITIVE OUTLOOK: TCS's current score of 8 places it among the top quartile of stocks scored.

Score Averages

Software & IT Services Group: 4.9	Large Market Cap: 6.4
Software & IT Services Sector: 4.9	BSE Sensex Index: 7.5

Average Score Trend (4-Week Moving Avg)



Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
HCLTECH	7	10	10	10	10	
TCS	6	7	7	8	8	
WIPRO	4	4	5	8	8	
INFY	5	7	5	7	7	
LTIM	8	8	7	6	5	

HIGHLIGHTS

- The score for Tata Consultancy Services last changed from 7 to 8 on 2023-01-08.
- The recent change in the Average Score was primarily due to an improvement in the Price Momentum component score.

I/B/E/S MEAN

Hold

43 Analysts

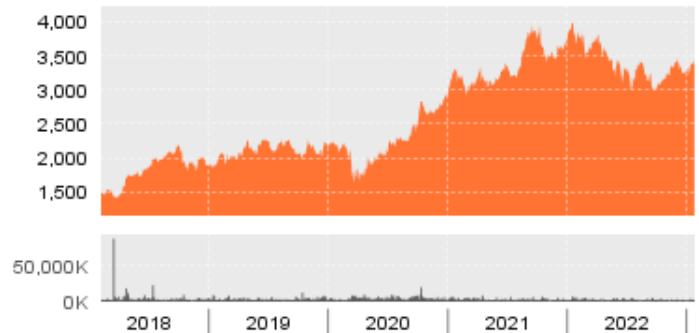
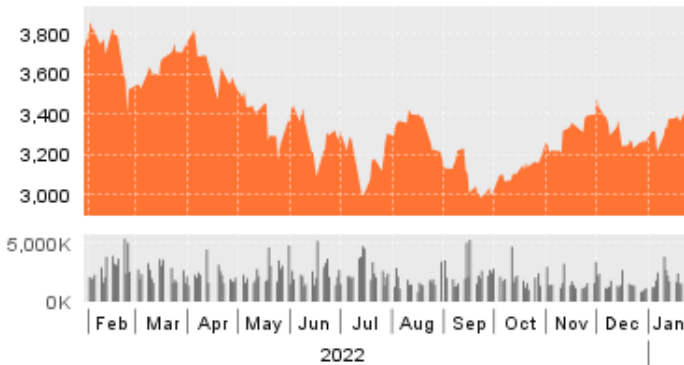
Mean recommendation from all analysts covering the company on a standardized 5-point scale.



PRICE AND VOLUME CHARTS

1-Year Return: -6.5%

5-Year Return: 118.6%



BUSINESS SUMMARY

Tata Consultancy Services Limited (TCS) is an India-based company engaged in providing information technology (IT) services, digital and business solutions. The Company's segments include Banking, Financial Services and Insurance, Manufacturing, Retail and Consumer Business, Communication, Media and Technology, Life Sciences and Healthcare and Others. The Company's products include TCS BaNCS, TCS Connected Intelligence Platform, ignio, TCS iON, TCS MasterCraft, TAP, CHROMA, TCS Customer Intelligence & Insights, TCS Intelligent Urban Exchange, Jile, TCS OmniStore, Quartz and The Smart Ledgers. Its platforms include TCS ADD TCS BFSI Platforms ERP on Cloud and TCS HOBBS. Its services portfolio consists of IT and assurance services, business intelligence and performance management, business process services, cloud services, connected marketing solutions, mobility products and services and platform solutions. It serves industries, including insurance, healthcare, retail, telecom and others.

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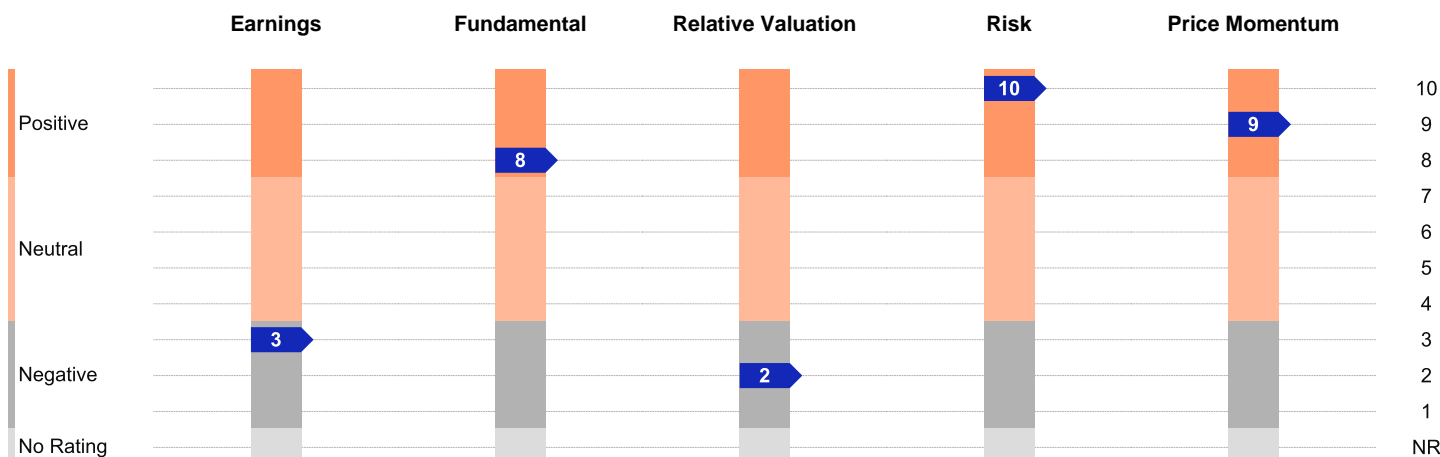
Report Date: 2023-Jan-29

INDICATOR COMPONENTS

AVERAGE
SCORE

8

The **AVERAGE SCORE** combines the quantitative analysis of five widely-used investment decision making tools: Earnings, Fundamental, Relative Valuation, Risk, and Price Momentum. A simple average of the underlying component ratings is normally distributed to rank stocks on a 1-10 scale (10 being awarded to the most favorable). These factors may be evaluated differently using alternative methodologies and the importance of individual factors varies across industries, market capitalization and investment styles. Additional criteria should always be used to evaluate a stock.



PEER ANALYSIS

Currency in INR

Average Score	Ticker	PRICE MOMENTUM			VALUATION		FUNDAMENTAL		ANALYSTS				
		Price (2023-01-27)	1-Mo Return	3-Mo Return	1-Yr Return	Market Cap	Trailing PE	Forward PE	Dividend Yield	Net Margin	LTG Forecast	I/B/E/S Mean	# of Analysts
8	TCS	3,411.05	4.7%	8.0%	-6.5%	12.5T	30.8	26.7	1.4%	18.8%	10.4%	Hold	42
7	INFY	1,519.15	0.28%	-0.31%	-9.5%	6.3T	27.0	23.2	2.1%	16.7%	11.7%	Buy	43
10	HCLTECH	1,115.60	7.7%	8.1%	3.5%	3.0T	20.9	18.7	4.3%	14.8%	7.8%	Buy	40
8	WIPRO	398.05	3.0%	4.0%	-26.9%	2.2T	19.2	17.3	0.57%	12.9%	4.0%	Hold	40
5	LTIM	4,399.05	0.20%	-5.9%	-23.4%	1.3T	30.4	25.7	0.80%	14.4%	10.4%	Hold	34
6	TECHM	1,030.10	2.0%	-4.3%	-28.7%	1.0T	17.3	16.2	1.5%	10.7%	9.3%	Buy	38
5	MPHASIS	2,072.40	6.7%	5.2%	-29.4%	390.4B	24.2	21.7	2.2%	11.8%	17.3%	Hold	28
9	PERSISTENT	4,576.95	16.9%	21.4%	12.5%	341.9B	39.9	30.6	0.73%	11.5%	15.8%	Buy	26
7	COFORGE	4,294.10	10.8%	10.4%	-2.4%	262.2B	33.8	31.6	1.4%	10.4%	20.3%	Buy	22
3	HAPPSTMNDS	846.65	-4.0%	-14.0%	-24.7%	121.1B	54.5	52.9	0.47%	16.7%	--	Strong Buy	2
9	CYIENT	856.20	4.9%	14.5%	-5.8%	93.7B	18.6	15.4	2.8%	9.3%	--	Buy	16
7	Average	2,229.03	4.8%	4.3%	-12.9%	2.5T	28.8	25.5	1.7%	13.4%	11.9%	Buy	30.1

PEER COMPANIES

COFORGE	Coforge	LTIM	LTIMindtree
CYIENT	Cyient	MPHASIS	Mphasis
HAPPSTMNDS	Happiest Minds Technologies	PERSISTENT	Persistent Systems
HCLTECH	HCL Technologies	TECHM	Tech Mahindra
INFY	Infosys	WIPRO	Wipro

EARNINGS

EARNINGS

3

Currency in INR

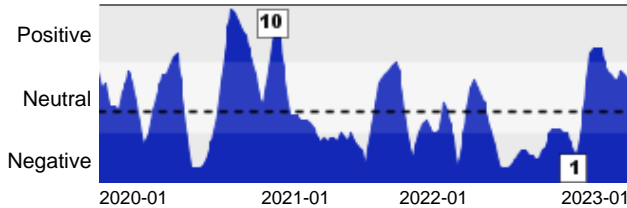
NEGATIVE OUTLOOK: Weak earnings with recent analyst downgrades or a history of missing consensus estimates.

Earnings Score Averages

Software & IT Services Group: **5.7**
Software & IT Services Sector: **5.7**

Large Market Cap: **5.6**
BSE Sensex Index: **6.1**

Earnings Score Trend (4-Week Moving Avg)



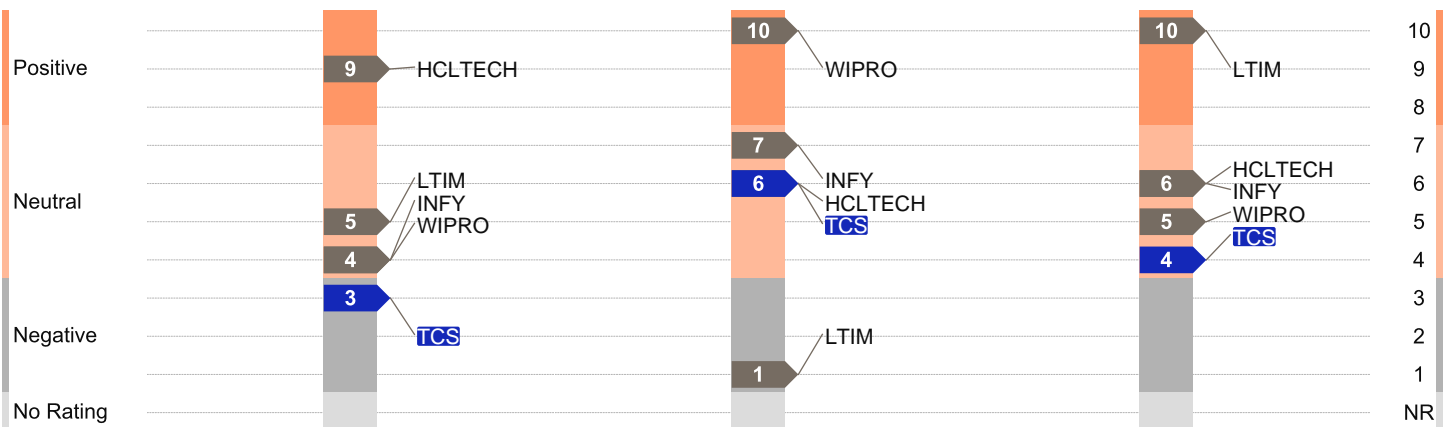
Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
HCLTECH	5	10	10	8	8	
WIPRO	1	1	3	7	7	
INFY	2	9	3	8	6	
LTIM	9	8	9	10	5	
TCS	3	7	6	5	3	

EARNINGS INDICATORS

Earnings Surprises (33.3% weight)

Estimate Revisions (33.3% weight)

Recommendation Changes (33.3% weight)



Last 4 Quarters

# Positive Surprises (>2%)	0
# Negative Surprises (<-2%)	1
# In-Line Surprises (within 2%)	3
Avg Surprise	-1.3%

Last 4 Weeks

# Up Revisions	4
# Down Revisions	4
Avg Up Revisions	9.3%
Avg Down Revisions	-9.3%

Last 120 Days

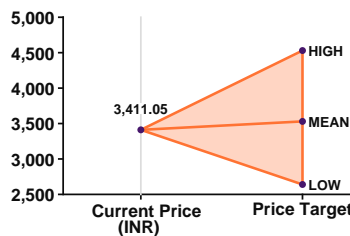
# Broker Upgrades	2
# Broker Downgrades	3

HIGHLIGHTS

- The Earnings Rating for Tata Consultancy Services declined significantly over the past week from 5 to 3. The current rating is considerably more bearish than the IT Services & Consulting industry average of 6.1. TCS scores a bearish 4 or less for two of the three component ratings.
- On 2023-01-09, the company announced quarterly earnings of 29.64 per share, relatively in-line with the consensus 30.23. Over the past 4 quarters, the company has reported 0 positive, 1 negative, and 3 in-line surprises. The average surprise for this time period has been -1.3%.
- TCS's current quarter consensus estimate has remained relatively unchanged over the past 90 days at 31.46. Estimates within its industry have moved an average of 1.0% during the same time period.

PRICE TARGET

The chart indicates where analysts predict the stock price will be within the next 12 months, as compared to the current price.



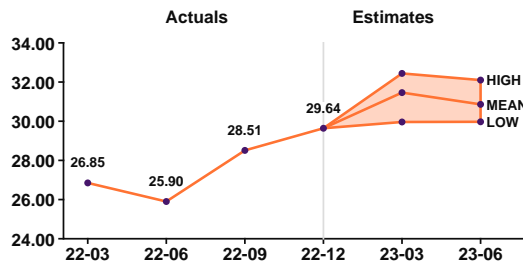
12-Month Price Target

Mean (INR)	3,530.00
High	4,530.00
Low	2,640.00
Target vs. Current	3.5%
# of Analysts	42

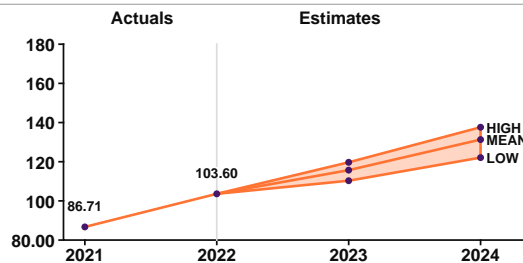
EARNINGS PER SHARE

Earnings per share (EPS) is calculated by dividing a company's earnings by the number of shares outstanding. Analysts tend to interpret a pattern of increasing earnings as a sign of strength and flat or falling earnings as a sign of weakness.

The charts provide a comparison between a company's actual and estimated EPS, including the high and low forecasts.



Quarterly	23-03	23-06
Mean	31.460	30.860
High	32.440	32.100
Low	29.960	29.970
# of Analysts	9	6



Annual	2023	2024
Mean	115.7	131.3
High	119.7	137.6
Low	110.3	122.1
# of Analysts	43	43

MEAN ESTIMATE TREND

	Q 23-03	Q 23-06	Y 2023	Y 2024	Price Target
Current	31.460	30.860	115.7	131.3	3,530.00
30 Days Ago	30.690	30.280	115.3	129.8	3,480.00
90 Days Ago	30.690	30.280	115.3	129.8	3,480.00
% Change (90 Days)	2.5%	1.9%	0.30%	1.2%	1.4%

Current Fiscal Year End: 23-03
Next Expected Report Date: 2023-04-10

ANALYST RECOMMENDATIONS

I/B/E/S Mean: **Hold (43 Analysts)**

Strong Buy	6
Buy	15
Hold	12
Sell	8
Strong Sell	2

EARNINGS SURPRISES

Comparing a company's actual earnings to the mean expectation of analysts results in a difference referred to as a 'positive' or 'negative' surprise. Research has shown that when a company reports a surprise, it is often followed by more of the same surprise type.

Surprise Summary (Last 12 Quarters)

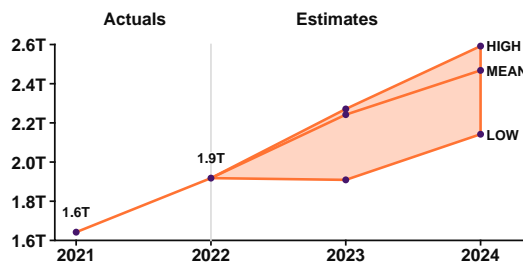
Surprise Type	Amount	Percent
Positive Quarters (> 2%)	1	8.3%
Negative Quarters (< -2%)	4	33.3%
In-Line Quarters (within 2%)	7	58.3%

Surprise Detail (Last 6 Periods)

Surprise Type	Announce Date	Period End Date	Actual EPS	Mean EPS	Surprise (%)
In-Line	2023-01-09	2022-12-31	29.640	30.230	-2.0%
In-Line	2022-10-10	2022-09-30	28.510	28.220	1.0%
Negative	2022-07-08	2022-06-30	25.900	26.820	-3.4%
In-Line	2022-04-11	2022-03-31	26.850	27.050	-0.70%
In-Line	2022-01-12	2021-12-31	26.410	26.760	-1.3%
In-Line	2021-10-08	2021-09-30	26.020	26.030	0.00%

ANNUAL REVENUE

A pattern of increasing sales in conjunction with a rising EPS may influence a buy recommendation, while flat or falling sales and faltering earnings may explain a sell recommendation. A rising EPS with flat or falling sales may result from increased cost efficiency and margins, rather than market expansion. This chart shows the sales forecast trend of all analysts and the highest and lowest projections for the current and next fiscal year.



	2023	2024
Mean	2,242B	2,468B
High	2,271B	2,592B
Low	1,909B	2,142B
Forecasted Growth	16.9%	28.7%
# of Analysts	45	44

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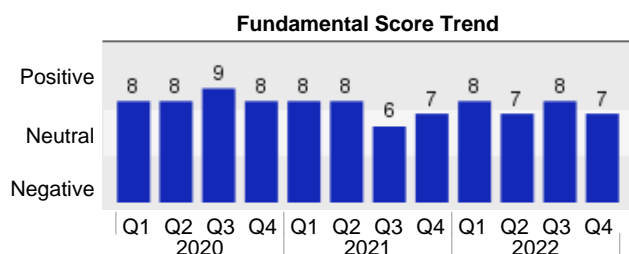
FUNDAMENTAL

POSITIVE OUTLOOK: Strong fundamentals such as high profit margins, low debt levels, or growing dividends.

FUND-AMENTAL
8

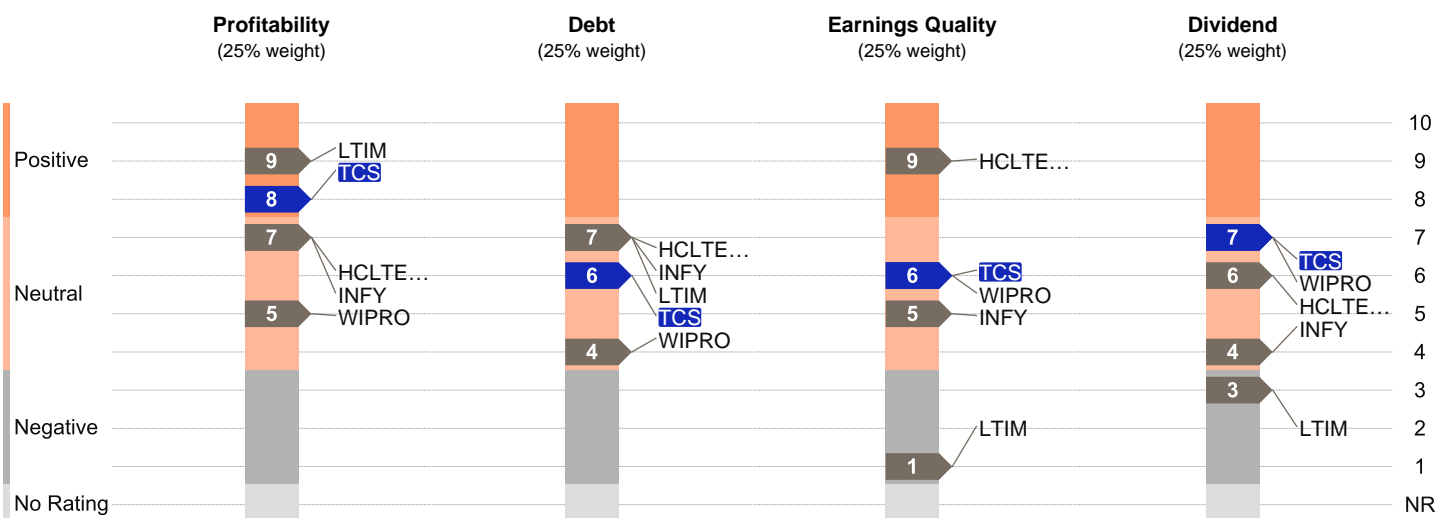
Fundamental Score Averages

Software & IT Services Group:	5.9	Large Market Cap:	6.4
Software & IT Services Sector:	5.9	BSE Sensex Index:	6.7



Peers	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Current	3Y Trend
HCLTECH	10	10	10	10	9	[Bar Chart]
TCS	8	7	8	7	8	[Bar Chart]
WIPRO	8	9	10	9	6	[Bar Chart]
INFY	8	7	7	7	5	[Bar Chart]
LTIM	6	5	5	6	4	[Bar Chart]

FUNDAMENTAL INDICATORS



Revenue Growth	17.3%	Current Ratio	3.0	Oper. Cash Yield	6.9%	Dividend Growth	24.1%
For year over year ending 2022-12		For interim period ending 2022-12		For latest 12 months ending 2022-12		For year over year ending 2021-12	
Gross Margin	83.7%	Debt-to-Capital	6.6%	Accruals	-0.1%	Dividend Payout	20.7%
For latest 12 months ending 2022-12		For annual period ending 2022-03		For latest 12 months ending 2022-03		For latest 12 months ending 2022-12	
Return On Equity	38.7%	Interest Funding	1.0%	Days Sales In Inv.	61.5	Dividend Coverage	3.4
For interim period ending 2022-12		For interim period ending 2022-06		For annual period ending 2022-03		For annual period ending 2022-03	
Net Margin	18.8%	Interest Coverage	118.2	Days Sales In Rec.	103.7	Current Div. Yield	1.4%
For latest 12 months ending 2022-12		For interim period ending 2022-12		For annual period ending 2022-03		For latest 12 months ending 2023-01	

HIGHLIGHTS

- Tata Consultancy Services currently has a Fundamental Rating of 8, which is significantly more bullish than the Software & IT Services industry group average of 5.9.
- The company's gross margin has been higher than its industry group average for each of the past five years.
- The company's interest coverage has been higher than its industry group average for each of the past five years.
- The company's accruals ratio has been lower than its industry group average for each of the past five years.
- Of the 225 firms within the Software & IT Services industry group, Tata Consultancy Services is among 74 companies that pay a dividend. The stock's dividend yield is currently 1.4%.

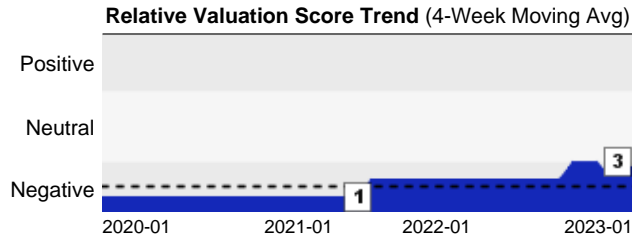
RELATIVE VALUATION

RELATIVE VALUATION
2

NEGATIVE OUTLOOK: Multiples significantly above the market or the stock's historic norms.

Relative Valuation Score Averages

Software & IT Services Group:	4.2	Large Market Cap:	3.9
Software & IT Services Sector:	4.2	BSE Sensex Index:	4.1



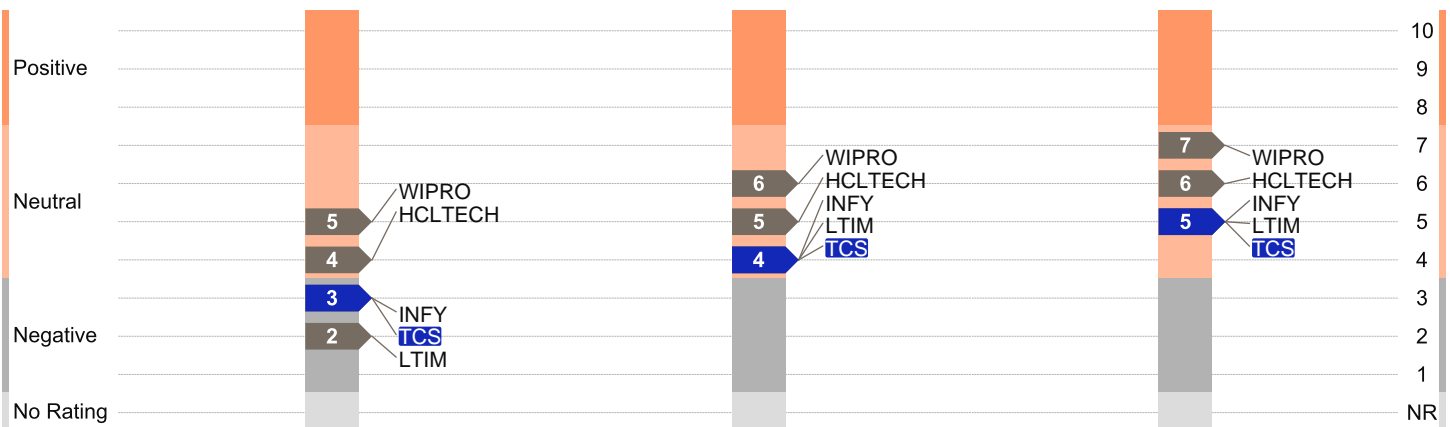
Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
WIPRO	4	6	5	6	6	
HCLTECH	4	4	4	4	4	
INFY	2	3	3	3	3	
LTIM	2	3	2	2	2	
TCS	2	3	2	3	2	

RELATIVE VALUATION INDICATORS

Price to Sales (33.3% weight)

Trailing PE (33.3% weight)

Forward PE (33.3% weight)



Price to Sales	5.8	Trailing PE	30.8	Forward PE	26.7
5-Yr Average	6.0	5-Yr Average	29.6	5-Yr Average	26.5
Rel. to 5-Yr Avg.	4% Discount	Rel. to 5-Yr Avg.	4% Premium	Rel. to 5-Yr Avg.	0.8% Premium
BSE Sensex Index	3.3	BSE Sensex Index	23.2	BSE Sensex Index	21.6
Rel. to BSE Sensex	73% Premium	Rel. to BSE Sensex	33% Premium	Rel. to BSE Sensex	23% Premium

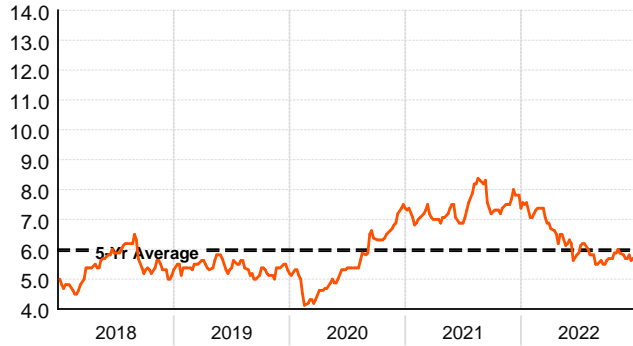
HIGHLIGHTS

- Tata Consultancy Services currently has a Relative Valuation Rating of 2 which is significantly below the S&P BSE SENSEX index average rating of 4.1.
- TCS's Price to Sales ratio of 5.8 represents a 4% Discount to its 5-year average of 6.0.
- TCS's Trailing P/E of 30.8 represents a 4% Premium to its 5-year average of 29.6.
- TCS's Forward P/E of 26.7 represents a 0.8% Premium to its 5-year average of 26.5.

PRICE TO SALES

The most recent week's close price divided by the revenue per share.

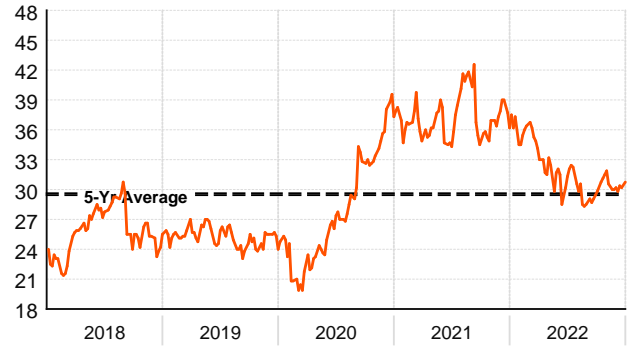
Price to Sales: 5.8
 5-Year Average: 6.0
 BSE Sensex Index Average: 3.3
 Software & IT Services Group Average: 4.1



TRAILING PE

The most recent week's close price divided by the sum of the four most recently reported quarterly earnings.

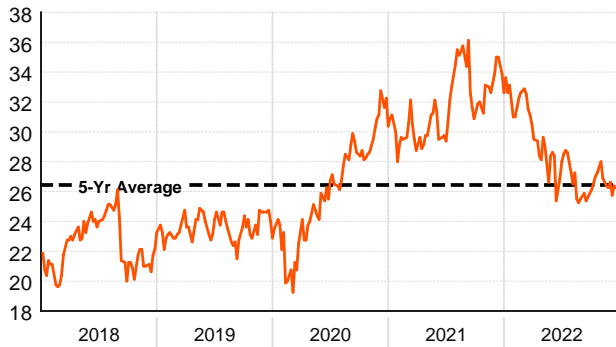
Trailing PE: 30.8
 5-Year Average: 29.6
 BSE Sensex Index Average: 23.2
 Software & IT Services Group Average: 24.8



FORWARD PE

The most recent week's close price divided by the sum of the four upcoming quarterly consensus estimates.

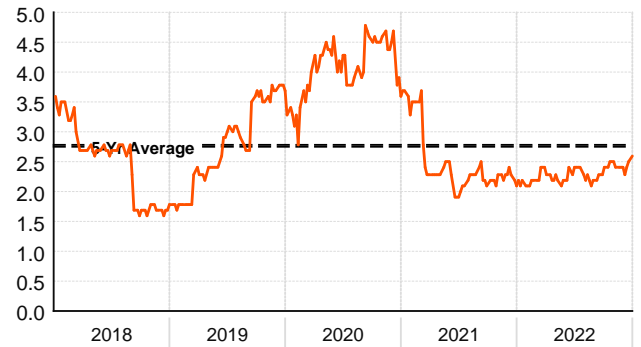
Forward PE: 26.7
 5-Year Average: 26.5
 BSE Sensex Index Average: 21.6
 Software & IT Services Group Average: 24.6



FORWARD PEG

The Forward P/E divided by the five-year forecasted growth rate.

Forward PEG: 2.6
 5-Year Average: 2.8
 BSE Sensex Index Average: 1.2
 Software & IT Services Group Average: 1.4



RISK

RISK

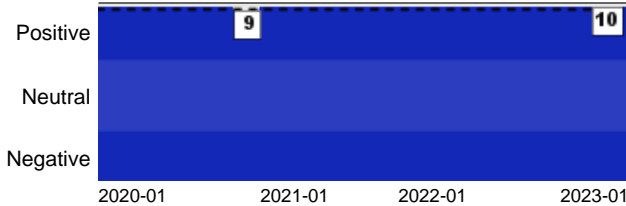
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POSITIVE OUTLOOK: Consistent return patterns (low volatility).

Risk Score Averages

Software & IT Services Group:	5.0	Large Market Cap:	8.8
Software & IT Services Sector:	5.0	BSE Sensex Index:	9.7

Risk Score Trend (4-Week Moving Avg)



Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
HCLTECH	10	10	10	10	10	
INFY	10	10	10	10	10	
LTIM	10	10	10	10	10	
TCS	10	10	10	10	10	
WIPRO	9	9	9	9	9	

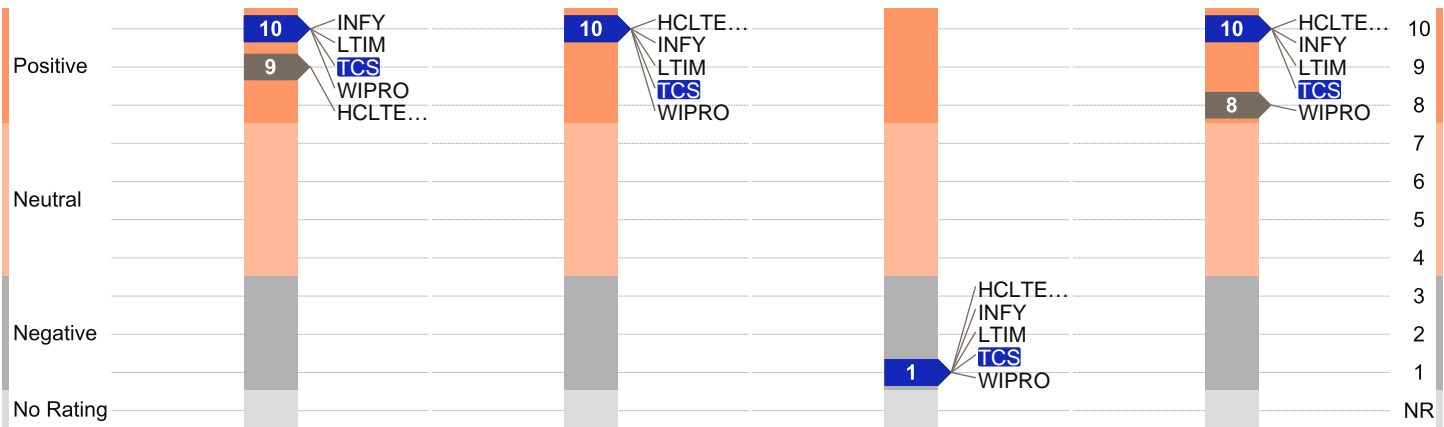
RISK INDICATORS

Magnitude of Returns (25% weight)

Volatility (25% weight)

Beta (1-year) (25% weight)

Correlation (25% weight)



Daily Returns (Last 90 Days)		Standard Deviation		Beta vs. BSE Sensex		Correlation vs. BSE Sensex	
Best	3.4%	Last 90 Days	1.20	Positive Days Only	0.94	Last 90 Days	68%
Worst	-3.0%	Last 60 Months	7.34	Negative Days Only	0.81	Last 60 Months	46%
Monthly Returns (Last 60 Months)		Intra-Day Swing (Last 90 Days)		Beta vs. Group		Correlation vs. Group	
Best	24.0%	Average	1.6%	Positive Days Only	0.61	Last 90 Days	34%
Worst	-12.1%	Largest	3.2%	Negative Days Only	0.55	Last 60 Months	25%

HIGHLIGHTS

- Tata Consultancy Services currently has a Risk Rating of 10 while the S&P BSE SENSEX index has an average rating of 9.7.
- On days when the market is up, TCS tends to perform in-line with the S&P BSE SENSEX index. On days when the market is down, the shares generally decrease by less than the index.
- In both short-term and long-term periods, TCS has shown high correlation (>= 0.4) with the S&P BSE SENSEX index. Thus, this stock would provide only low levels of diversification to a portfolio similar to the broader market.
- Over the last 90 days, TCS shares have been less volatile than the overall market, as the stock's daily price has fluctuated less than 98% of S&P BSE SENSEX index firms.

RISK ANALYSIS

Peers	Last 90 Days				Last 60 Months		
	Best Daily Return	Worst Daily Return	# Days Up	# Days Down	Largest Intra-Day Swing	Best Monthly Return	Worst Monthly Return
TCS	3.4%	-3.0%	32	32	3.2%	24.0%	-12.1%
HCLTECH	3.6%	-6.7%	33	30	5.3%	26.6%	-18.3%
INFY	4.5%	-3.1%	34	30	4.3%	31.3%	-16.9%
LTIM	4.3%	-3.5%	26	38	6.4%	23.4%	-25.2%
WIPRO	2.8%	-2.9%	33	31	3.7%	27.9%	-20.0%
BSE Sensex	2.0%	-1.6%	31	32	1.8%	14.4%	-23.1%

PRICE MOMENTUM

PRICE MOMENTUM

9

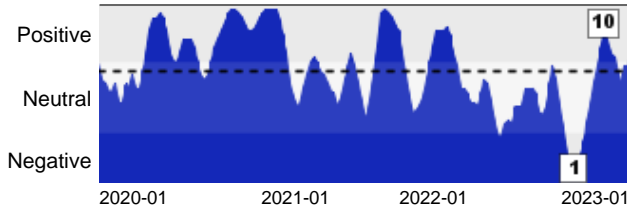
Currency in INR

POSITIVE OUTLOOK: Strong recent price performance or entering historically favorable seasonal period.

Price Momentum Score Averages

Software & IT Services Group:	5.7	Large Market Cap:	5.2
Software & IT Services Sector:	5.7	BSE Sensex Index:	5.9

Price Momentum Score Trend (4-Week Moving Avg)

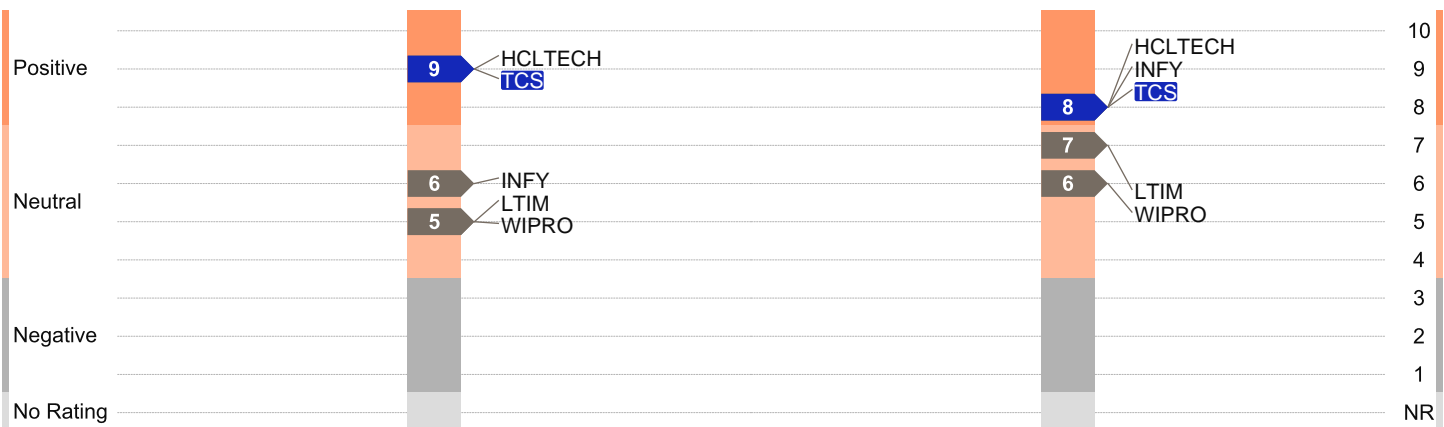


Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
HCLTECH	4	8	6	10	10	
TCS	6	5	6	8	9	
INFY	8	6	4	6	7	
LTIM	8	6	3	3	6	
WIPRO	3	2	3	5	5	

PRICE MOMENTUM INDICATORS

Relative Strength (50% weight)

Seasonality (50% weight)



Relative Strength Indicator (Scale from 1 to 100)

	TCS	Industry Avg
Last 10 Days	60	49
Last 50 Days	54	52
Last 200 Days	51	53

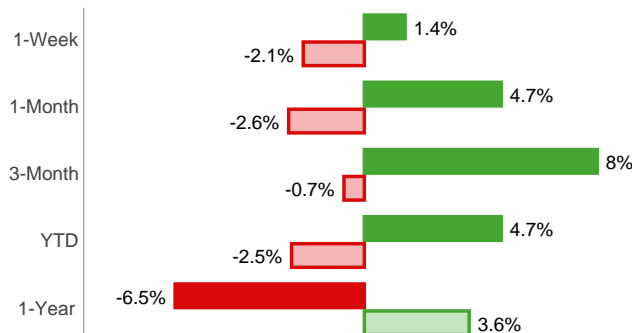
Average Monthly Return (Last 10 Years)

	Jan	Feb	Mar
Company Avg	2.4%	-0.69%	0.90%
Industry Avg	3.5%	-3.4%	-3.5%
Industry Rank	28 of 97	46 of 98	76 of 97

PRICE PERFORMANCE

Daily close prices are used to calculate the performance of the stock as compared to a relevant index over five time periods.

TCS
BSE Sensex



	TCS	BSE Sensex
Close Price (2023-01-27)	3,411.05	59,331
52-Week High	3,882.50	63,284
52-Week Low	2,926.10	51,360

- Tata Consultancy Services has a Price Momentum Rating of 8, which is significantly higher than the IT Services & Consulting industry average rating of 5.5.
- On 2023-01-27, TCS closed at 3,411.05, 12.1% below its 52-week high and 16.6% above its 52-week low.
- TCS shares are currently trading 2.3% above their 50-day moving average of 3,333.02, and 4.4% above their 200-day moving average of 3,267.30.

TATA CONSULTANCY SERVICES (TCS-IN)

Software & IT Services / Software & IT Services / IT Services & Consulting

DETAILED STOCK REPORT

Report Date: 2023-Jan-29

DETAILED STOCK REPORT TIPS

The Stock Report from Refinitiv is a comprehensive, company-specific analysis that includes a proprietary Stock Rating along with underlying component indicators and supportive data elements. The report is updated daily, although some of the data elements and the ratings are updated weekly.

Average Score

The Stock Reports Plus Average Score combines a quantitative analysis of five widely-used investment decision making tools - Earnings, Fundamental, Relative Valuation, Risk, and Price Momentum. First, a simple average of the five underlying component ratings is calculated. Then, a normal distribution is used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A score of 8 to 10 is considered positive, 4 to 7 is neutral, and 1 to 3 is negative. These five factors may be evaluated differently using alternative methodologies, and the importance of individual factors varies across industry groups, market capitalization and investment styles. Additional criteria should always be used to evaluate a stock.

A company must have sufficient data available for at least three of the five component indicators in order to receive an overall Average Score. Approximately 85% of the stocks within the coverage universe meet the criteria to generate a score.

Indicator Components

The five indicators that comprise the stock rating are displayed. Like the stock rating, the component rating scale is 1 to 10, with 10 being best. A company will receive an 'NR' for No Rating if the required data elements or criteria are not met. A detailed section for each component is included in the report.

Indicator Trends

Within each component section, historical score trends are displayed, typically using a 4-week moving average over a timeframe of the past three years. The dotted orange line indicates the average of the scores over those three years. The most recent occurrences of the best and worst scores are also displayed on the chart in grey boxes to put the current score into historical context.

Next to the trend chart for the company, current score averages are included, along with peer company comparisons of values from 6 months ago, 3 months ago, 1 month ago, the most recent value from 1 week ago, and the current score. The four closest industry peers are presented based on similar market capitalization.

Peer Analysis

The Refinitiv Business Classification (TRBC) schema is used for industry comparisons. It is designed to track and display the primary business of a corporation by grouping together correlated companies that offer products and services into similar end markets. The system includes 10 Economic Sectors, 28 Business Sectors, 54 Industry Groups, and 136 Industries.

The Peer Analysis section of the report compares the company to its ten closest peers. The peers are selected from the industry based on similar market capitalization. The peer listing may have fewer than ten companies if there are fewer than ten companies within that industry classification.

Highlights

The automated text-generation system from Refinitiv creates highlights summarizing the most noteworthy data. The bullets will vary by company and will change from week to week as different criteria are met.

Earnings

The Earnings Rating is based on a combination of three factors: earnings surprise, estimate revision, and recommendation changes. Each factor is equally weighted. Then, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have at least two of the three earnings factors in order to receive a score.

Earnings Surprises - The number of positive and negative surprises within the last 4 periods (quarters or years).

Estimate Revisions - The number of up and down revisions and the average percentage change of those revisions within a 4 week period.

Recommendation Changes - The number of broker upgrades and downgrades in the last 120 days.

Price Target

The price target is based on the predictions of analysts covering the stock and shows the high, low and mean price expected within the next 12 months.

Earnings Per Share

The quarterly and annual earnings per share are presented when available, along with the mean, high and low. Quarterly data is displayed for the past 4 quarters (actual) and the next 2 quarters (estimated). Annual data is displayed for the past 2 years (actual) and the next 2 years (estimated).

Mean Estimate Trend

The mean estimates show how the consensus has changed over the past 30 days and 90 days for the upcoming two quarters (when available) and two years. The percentage change is calculated for the company as a means for comparison by measuring the difference between the current consensus estimate and that of 90 days ago.

Analyst Recommendations

The I/B/E/S Mean is the average recommendation of all analysts covering the stock, as provided by I/B/E/S, the Institutional Brokers Estimate System, from Refinitiv. The recommendations are presented on a five-point standardized scale: strong buy, buy, hold, reduce, and sell.

Earnings Surprises

The surprise summary includes the total number of time periods (and percentage) in the last 12 quarters (quarterly) or last 4 years (annual) in which earnings surprises were positive, negative, or in-line. In order to be recognized as a positive or negative surprise, the percent must be greater than 2% above or 2% below the consensus, respectively.

The surprise detail section includes a listing of the company's quarterly earnings reported for the most recent 6 periods (quarters or years). The consensus analyst estimate is provided to determine if the actual earnings report represented a positive surprise, negative surprise, or in-line result.

Fundamental

The Fundamental Rating is based on a combination of four fundamental component factors: profitability, debt, earnings quality, and dividend. Companies that do not pay a dividend are not penalized. Each factor is equally weighted. Then, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have at least two of the four fundamental factors present in order to receive a score.

Profitability is comprised of four data elements.

- Revenue Growth: (Net Sales – Previous Net Sales) / Previous Net Sales
- Gross Margin: Gross Profit / Net Sales
- Return on Equity: Net Income / Total Equity
- Net Margin: Net Profit / Net Sales

Debt is comprised of four data elements.

- Current Ratio: Current Assets / Current Liabilities
- Debt-to-Capital: Total Debt / Total Capital
- Interest Funding: (Interest Expense on Debt + Preferred Cash Dividends) / Funds from Operations
- Interest Coverage: Earnings before Interest and Taxes / (Interest Expense on Debt + Preferred Cash Dividends)

Earnings Quality is comprised of four data elements.

- Operating Cash Yield: (Operating Cash Flow – Net Income) / Net Income
- Accruals: (Net Income – Operating Cash Flow – Investing Cash Flow) / Average Net Operating Assets
- Days Sales in Inventory: 365 / (Cost of Goods Sold / Inventory)
- Days Sales in Receivables: 365 / (Net Sales / Receivables)

Dividend is comprised of four data elements. The company must have a current dividend yield.

- Dividend Growth Rate: (Dividends per Share – Previous Dividends per Share) / Previous Dividends per Share
- Dividend Payout: Dividends per Share / Earnings per Share
- Dividend Coverage: Funds from Operations / Cash Dividends
- Dividend Yield: Annual Dividends per Share / Current Market Price per Share

Indicator Trend

The fundamental indicator trend displays either quarterly scores over the past three years or annual scores over the past six years, depending on the reporting periods for the country. The best and worst scores can be easily determined from the values shown on the chart for each quarter or year.

Relative Valuation

The Relative Valuation Rating is based on a combination of three component factors: Price to Sales (50% weight), Trailing P/E (25% weight), and Forward P/E (25% weight). After the weightings are considered to combine individual factors, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. These common valuation metrics are evaluated against the overall market, the index, and the company's own historic 5-year averages. A stock needs to have at least one of the three relative valuation factors in order to receive a score.

Price to Sales: Close Price / (Sales for 4 Quarters or 1 Year / Shares Outstanding)

Trailing P/E: Close Price / Most Recent 4 Quarters or 1 Year of Earnings

Forward P/E: Close Price / Upcoming 4 Quarters or 1 Year of Earnings

TATA CONSULTANCY SERVICES (TCS-IN)

Software & IT Services / Software & IT Services / IT Services & Consulting

DETAILED STOCK REPORT

Report Date: 2023-Jan-29

Valuation Averages

Negative values are excluded when calculating the averages. A maximum value of 100 is placed on Trailing P/E and Forward P/E, a maximum value of 5 is placed on Forward PEG, and a maximum value of 20 is placed on Price to Sales when calculating the averages. Higher values are rounded down to the maximum for the averages.

Valuation Multiples

The valuation multiples provide the Trailing P/E, Forward P/E, Forward PEG, and Price to Sales for the company and the S&P 500 index average. In addition, a comparison of the current company's values to its 5-year average and an industry average are presented. A discount occurs when the company's ratio is valued more favorably (lower) than that to which it is compared.

Risk

The Risk Rating displays stocks on a scale of 1 to 10 with 10 being awarded to the least risky stocks. It is derived by looking at a series of long-term (5-year) and short-term (90-day) stock performance measures including volatility, magnitude of returns, beta, and correlation. Each factor is equally weighted. Then, equal deciles are used to rank each stock across the market. A stock needs to have at least two of the four risk factors in order to receive a score.

Magnitude of Returns – The best / worst daily returns in the past 90 days and the best / worst monthly returns in the past 60 months.

Volatility – The standard deviation of the stock price over the last 90 days and last 60 months, along with the average and largest intra-day stock swing.

Beta – Measures the tendency of a security's returns to respond to swings in the market, based on the beta of the company versus the relevant index.

Correlation – Determines how closely the returns of the stock and the relevant index move together, measured over the last 90 days and last 60 months.

Risk Analysis

Price analysis for the company and the relevant index is provided over two time periods. Daily analysis is provided for the last 90 days, whereas monthly statistics are used for the last 60 months.

Price Momentum

The Price Momentum Rating is based on a combination of two technical performance factors: relative strength (70% weight) and seasonality (30% weight). After the weightings are considered to combine individual factors, equal deciles are used to rank each stock across the market on a scale of 1 to 10, with 10 being most favorable. A stock needs to have data for the relative strength factor in order to receive a score.

Relative Strength – The relative strength of the company for the last 1 month, 3 months, and 6 months on a scale of 1 to 100.

Seasonality – The average monthly return (price performance) for the current month and next 2 months for the company and industry, over the past 10 years. A lower industry rank indicates a higher return.

Price Performance

Daily close prices are used to calculate the price performance of the stock. The performance of the relevant index is also displayed as a means of comparison.

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