

HINDALCO INDUSTRIES (HINDALCO-IN)

Mineral Resources / Metals & Mining / Aluminum

DETAILED STOCK REPORT

Report Date: 2024-May-05

Last Close 647.10 (INR)	Avg Daily Vol 9.7M	52-Week High 661.60	Trailing PE 15.3	Annual Div 3.00	ROE 8.8%	LTG Forecast --	1-Mo Return 12.2%
2024 May 03 NSE Exchange	Market Cap 1.4T	52-Week Low 397.80	Forward PE 14.4	Dividend Yield 0.5%	Annual Rev 2.2T	Inst Own 43.2%	3-Mo Return 10.9%

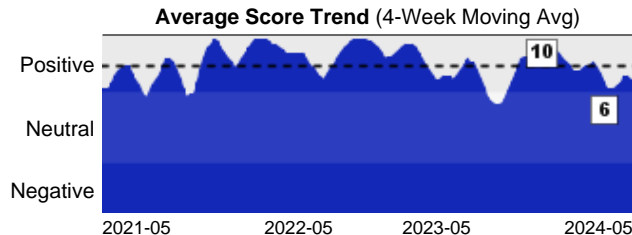
AVERAGE SCORE

AVERAGE SCORE
8

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

Score Averages

Metals & Mining Group:	5.8	Large Market Cap:	6.8
Mineral Resources Sector:	6.0	BSE Sensex Index:	8.1



Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
HINDALCO	9	8	8	7	8	
MAANALU	10	9	8	7	8	
MANAKSIA	10	9	8	8	8	
NATIONALUM	8	6	6	6	6	
ARFIN	5	3	4	3	4	

HIGHLIGHTS

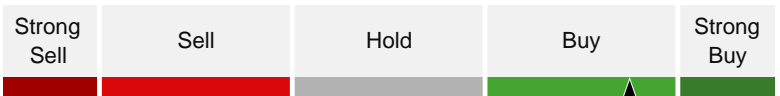
- The score for Hindalco Industries improved slightly this week from 7 to 8.
- The recent change in the Average Score was primarily due to an improvement in the Fundamental and Price Momentum component scores.

I/B/E/S MEAN

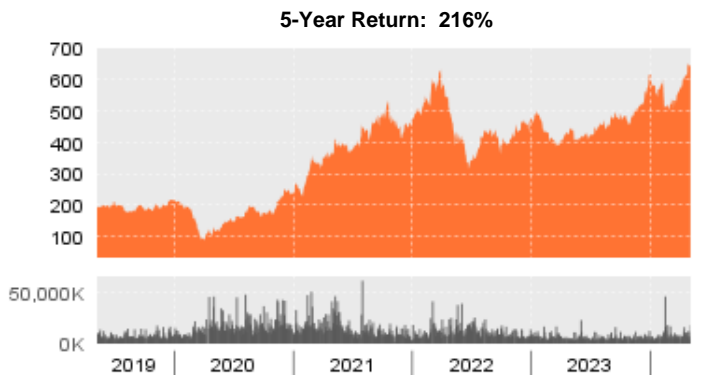
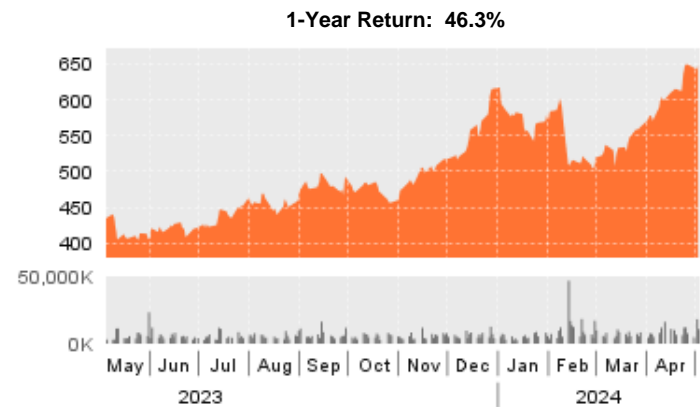
Buy

23 Analysts

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



PRICE AND VOLUME CHARTS



BUSINESS SUMMARY

Hindalco Industries Limited is an India-based metals flagship company. The Company is primarily engaged in the business of manufacturing and distribution of aluminium, copper and its products across the globe. It operates through four segments: Novelis, Aluminium Upstream, Aluminium Downstream and Copper. The Novelis Segment is engaged in producing and selling aluminium sheet and light gauge products and operating in four continents: North America, South America, Europe, and Asia. The Company is engaged in the aluminium upstream business, such as bauxite and coal mining, alumina specials, refineries, metal and power. Its aluminium downstream business includes aluminium value-added products, such as flat rolled products, extrusion and foils. The Copper Segment includes copper cathode, copper rods, precious metals and di-ammonium phosphate. Its brands include Eternia, Maxloader, Hindalco Extrusions, Hindalco Everlast, Freshwrap, Superwrap, Birla Copper, Birla Copper-II and Birla Balwan.

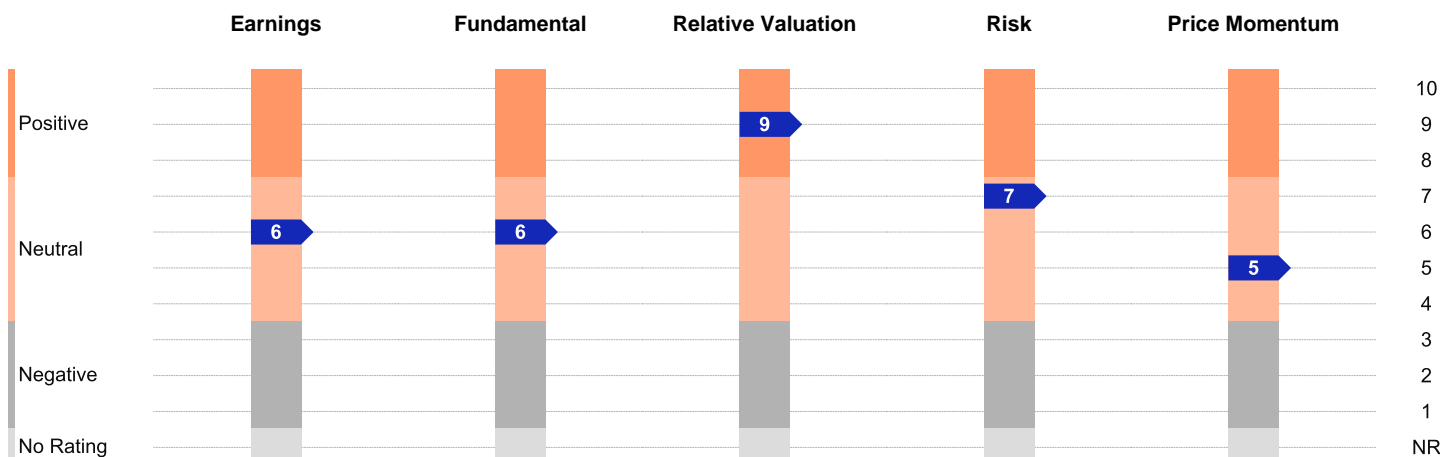


INDICATOR COMPONENTS

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		# of Analysts
		Price (2024-05-03)	1-Mo Return	3-Mo Return	1-Yr Return	Market Cap	Trailing PE	Forward PE	Dividend Yield	Net Margin	LTG Forecast	
8	HINDALCO	647.10	12.2%	10.9%	46.3%	1.4T	15.3	14.4	0.46%	4.4%	-- Buy	23
6	NATIONALUM	185.10	5.9%	21.0%	125.3%	340.0B	22.9	23.1	1.9%	11.2%	-- Hold	9
4	ARFIN	50.87	-2.3%	-9.2%	146.9%	8.1B	94.3	--	--	1.6%	-- --	--
8	MAANALU	147.15	-3.4%	5.2%	224%	8.0B	19.9	--	0.51%	4.1%	-- --	--
8	MANAKSIA	113.30	1.2%	-14.2%	-15.9%	7.4B	7.5	--	5.3%	11.1%	-- --	--
1	CYBELEIND	41.25	6.3%	5.4%	123.6%	441M	137.5	--	--	-3.1%	-- --	--
8	SUDAI	46.59	2.6%	18.2%	673%	390M	0.3	--	--	73.2%	-- --	--
6	PALCO	95.98	-0.99%	17.8%	23.4%	384M	9.5	--	--	2.4%	-- --	--
3	NIRAVCOM	608.00	-8.6%	1.2%	17.0%	238M	41.6	--	--	5.1%	-- --	--
NR	BMAL	11.60	-4.8%	32.1%	280%	215M	--	--	--	-5.7%	-- --	--
4	SVJ	33.63	7.3%	-25.3%	-5.3%	187M	21.3	--	--	14.7%	-- --	--
5.6	Average	180.05	1.4%	5.7%	148.9%	164.8B	37.0	18.8	2.0%	10.8%	-- Buy	16

PEER COMPANIES

ARFIN	Arfin India	NATIONALUM	National Aluminium Co
BMAL	Bothra Metals and Alloys	NIRAVCOM	Nirav Commercials
CYBELEIND	Cybele Industries	PALCO	Palco Metals
MAANALU	Maan Aluminium	SUDAI	Sudal Industries
MANAKSIA	Manaksia	SVJ	S V J Enterprises

EARNINGS

EARNINGS

6

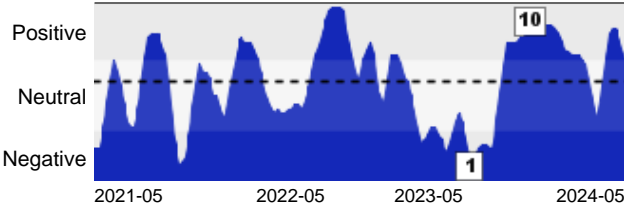
Currency in INR

NEUTRAL OUTLOOK: Mixed earnings expectations and performance.

Earnings Score Averages

Metals & Mining Group: **5.6** Large Market Cap: **5.8**
 Mineral Resources Sector: **5.3** BSE Sensex Index: **6.7**

Earnings Score Trend (4-Week Moving Avg)



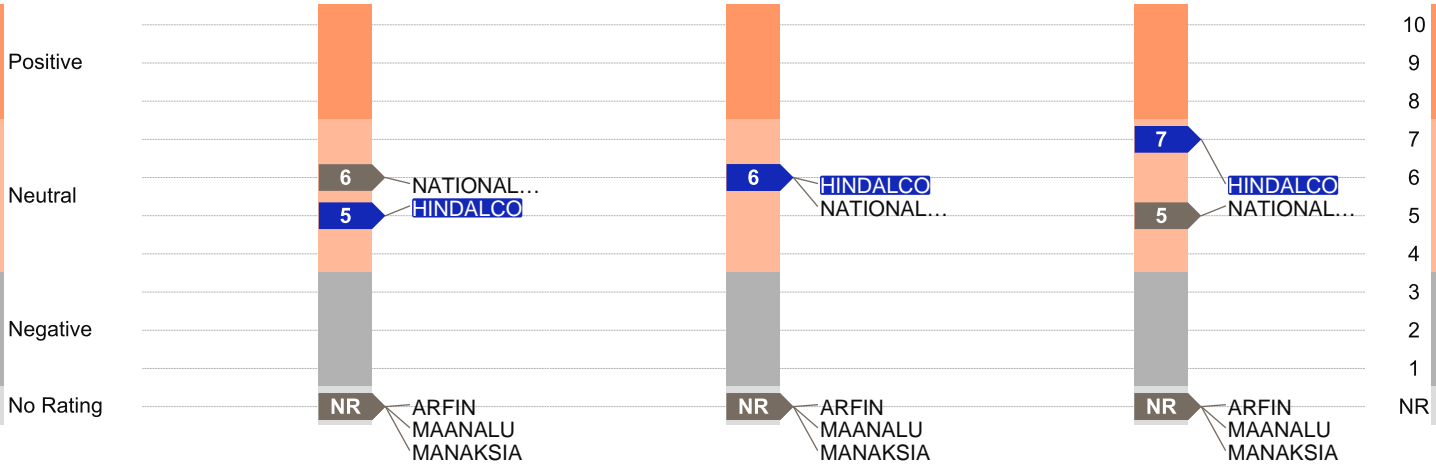
Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
HINDALCO	9	7	8	6	6	
NATIONALUM	7	6	6	6	6	
ARFIN	NR	NR	NR	NR	NR	
MAANALU	NR	NR	NR	NR	NR	
MANAKSIA	NR	NR	NR	NR	NR	

EARNINGS INDICATORS

Earnings Surprises (33.3% weight)

Estimate Revisions (33.3% weight)

Recommendation Changes (33.3% weight)



Last 4 Quarters

# Positive Surprises (>2%)	1
# Negative Surprises (<-2%)	3
# In-Line Surprises (within 2%)	0
Avg Surprise	-3.8%

Last 4 Weeks

# Up Revisions	0
# Down Revisions	0
Avg Up Revisions	0.00%
Avg Down Revisions	0.00%

Last 120 Days

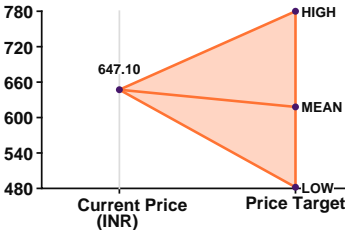
# Broker Upgrades	2
# Broker Downgrades	2

HIGHLIGHTS

- Hindalco Industries currently has a relatively neutral Earnings Rating of 6. The average Earnings Rating for its Aluminum industry is 6.0 and the S&P BSE SENSEX index average is 6.7.
- During the past four weeks, analysts covering HINDALCO have made no upward or downward EPS estimate revisions for the current quarter.
- There have been 2 upward and 2 downward broker recommendation changes for Hindalco Industries over the past 120 days.

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)	618.00
High	780.00
Low	482.00
Target vs. Current	-4.5%
# of Analysts	24

HINDALCO INDUSTRIES (HINDALCO-IN)

Mineral Resources / Metals & Mining / Aluminum

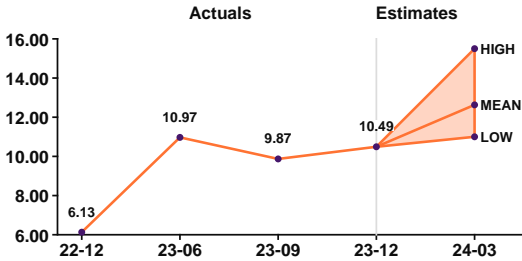
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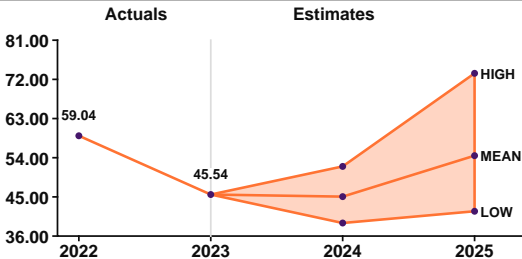
EARNINGS PER SHARE

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	24-03	--
Mean	12.630	--
High	15.500	--
Low	11.000	--
# of Analysts	3	--



Annual	2024	2025
Mean	45.060	54.470
High	52.000	73.390
Low	39.000	41.700
# of Analysts	22	23

MEAN ESTIMATE TREND

	Q 24-03	Q --	Y 2024	Y 2025	Price Target
Current	12.630	--	45.060	54.470	618.00
30 Days Ago	--	--	44.990	52.670	575.00
90 Days Ago	--	--	44.430	51.490	575.00
% Change (90 Days)	--	--	1.4%	5.8%	7.5%

Current Fiscal Year End: 24-03
Next Expected Report Date: 2024-05-24

ANALYST RECOMMENDATIONS

I/B/E/S Mean: **Buy (23 Analysts)**

Strong Buy	11
Buy	9
Hold	1
Sell	2
Strong Sell	0

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)

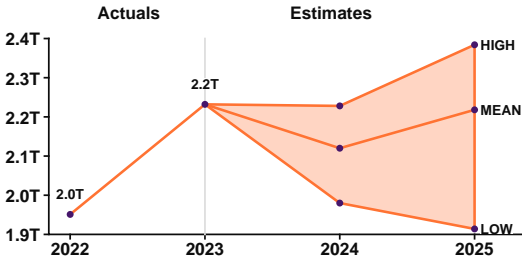
Surprise Type	Amount	Percent
Positive Quarters (> 2%)	4	44.4%
Negative Quarters (< -2%)	5	55.6%
In-Line Quarters (within 2%)	0	--

Surprise Detail (Last 6 Periods)

Surprise Type	Announce Date	Period End Date	Actual EPS	Mean EPS	Surprise (%)
Negative	2024-02-13	2023-12-31	10.490	12.300	-14.7%
Negative	2023-11-10	2023-09-30	9.870	12.200	-19.1%
Positive	2023-08-08	2023-06-30	10.970	6.000	82.8%
Negative	2023-02-09	2022-12-31	6.130	8.950	-31.5%
--	2022-11-11	2022-09-30	9.900	--	--
Positive	2022-08-11	2022-06-30	18.680	14.500	28.8%

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.



	2024	2025
Mean	2,120B	2,218B
High	2,228B	2,384B
Low	1,980B	1,914B
Forecasted Growth	-5.0%	-0.60%
# of Analysts	22	23



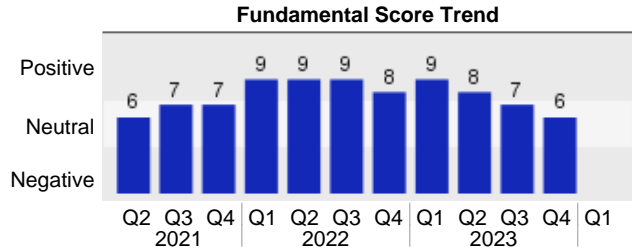
FUNDAMENTAL

FUND-AMENTAL
6

NEUTRAL OUTLOOK: Fundamentals relatively in-line with the market.

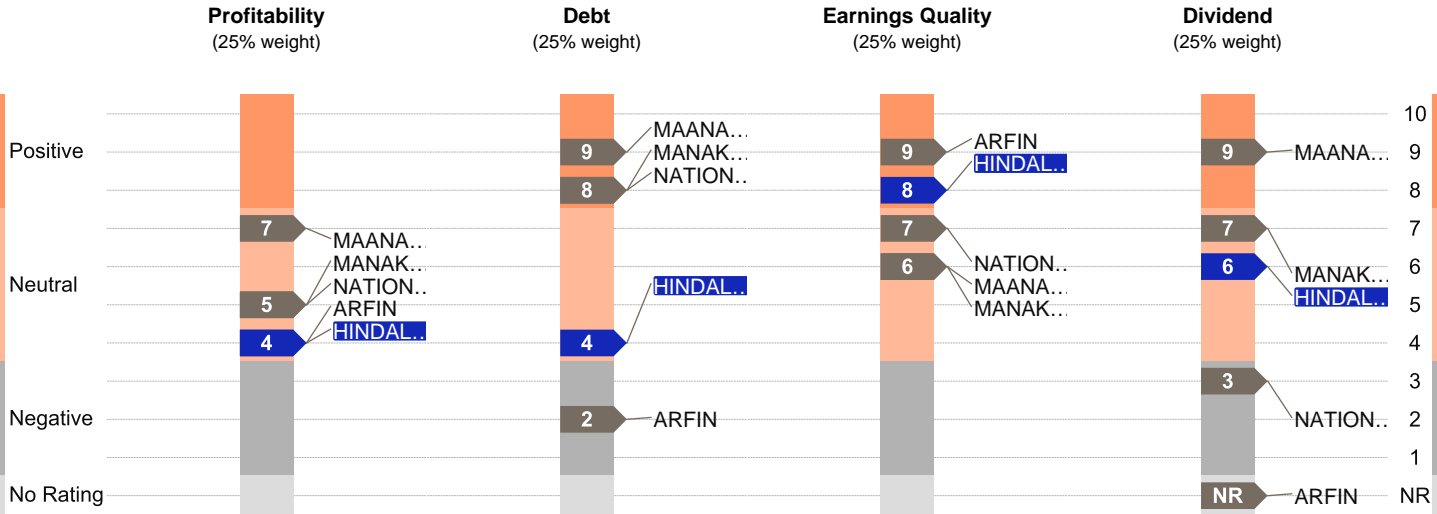
Fundamental Score Averages

Metals & Mining Group: **5.7** Large Market Cap: **6.3**
Mineral Resources Sector: **5.6** BSE Sensex Index: **7.1**



Peers	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Current	3Y Trend
MAANALU	10	10	10	NR	10	[Bar Chart]
MANAKSIA	9	10	10	NR	8	[Bar Chart]
HINDALCO	8	7	6	NR	6	[Bar Chart]
NATIONALUM	8	9	8	NR	6	[Bar Chart]
ARFIN	6	5	4	NR	4	[Bar Chart]

FUNDAMENTAL INDICATORS



Revenue Growth	-3.3%	Current Ratio	1.5	Oper. Cash Yield	68.7%	Dividend Growth	-25.0%
For year over year ending 2023-12		For interim period ending 2023-09		For latest 12 months ending --		For year over year ending 2023-12	
Gross Margin	20.7%	Debt-to-Capital	35.8%	Accruals	2.4%	Dividend Payout	7.1%
For latest 12 months ending 2023-12		For annual period ending 2023-03		For latest 12 months ending 2023-03		For latest 12 months ending 2023-12	
Return On Equity	8.8%	Interest Funding	22.7%	Days Sales In Inv.	113.3	Dividend Coverage	18.3
For interim period ending 2023-09		For interim period ending 2023-03		For annual period ending 2023-03		For annual period ending 2023-03	
Net Margin	4.4%	Interest Coverage	4.5	Days Sales In Rec.	32.7	Current Div. Yield	0.5%
For latest 12 months ending 2023-12		For interim period ending 2023-12		For annual period ending 2023-03		For latest 12 months ending 2024-05	

HIGHLIGHTS

- Hindalco Industries currently has a relatively neutral Fundamental Rating of 6. The average Fundamental Rating for its Metals & Mining industry group is 5.7 and the S&P BSE SENSEX index average is 7.1.
- The company's gross margin has been higher than its industry group average for each of the past five years.
- The company's debt-to-capital has been higher than its industry group average for each of the past five years.
- The company's operating cash yield has been higher than its industry group average for each of the past five years.
- Of the 256 firms within the Metals & Mining industry group, Hindalco Industries is among 86 companies that pay a dividend. The stock's dividend yield is currently 0.46%.



RELATIVE VALUATION

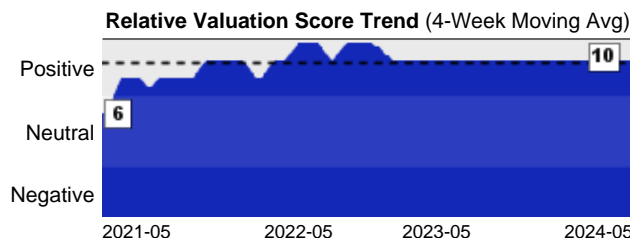
POSITIVE OUTLOOK: Multiples significantly below the market or the stock's historic norms.

RELATIVE VALUATION

9

Relative Valuation Score Averages

Metals & Mining Group:	6.2	Large Market Cap:	4.5
Mineral Resources Sector:	6.2	BSE Sensex Index:	6.0



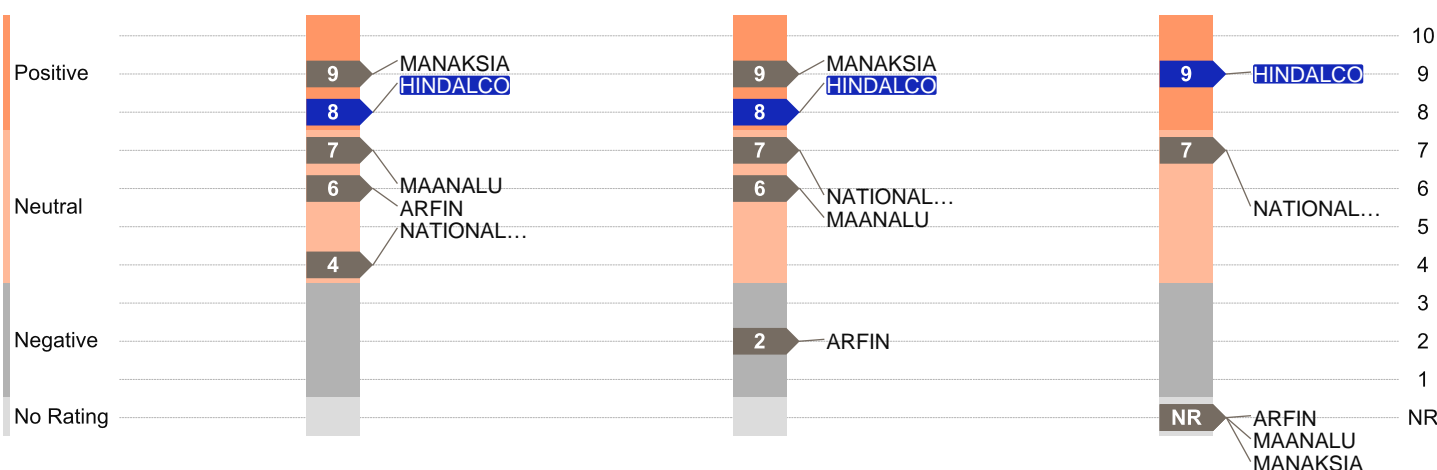
Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
HINDALCO	9	9	9	9	9	
MANAKSIA	8	9	9	9	9	
MAANALU	7	7	6	7	7	
NATIONALUM	9	7	6	6	6	
ARFIN	4	3	3	3	3	

RELATIVE VALUATION INDICATORS

Price to Sales
(33.3% weight)

Trailing PE
(33.3% weight)

Forward PE
(33.3% weight)



Price to Sales	0.7	Trailing PE	15.3	Forward PE	14.4
5-Yr Average	0.5	5-Yr Average	13.6	5-Yr Average	9.9
Rel. to 5-Yr Avg.	41% Premium	Rel. to 5-Yr Avg.	13% Premium	Rel. to 5-Yr Avg.	45% Premium
BSE Sensex Index	3.5	BSE Sensex Index	24.9	BSE Sensex Index	22.8
Rel. to BSE Sensex	81% Discount	Rel. to BSE Sensex	38% Discount	Rel. to BSE Sensex	37% Discount

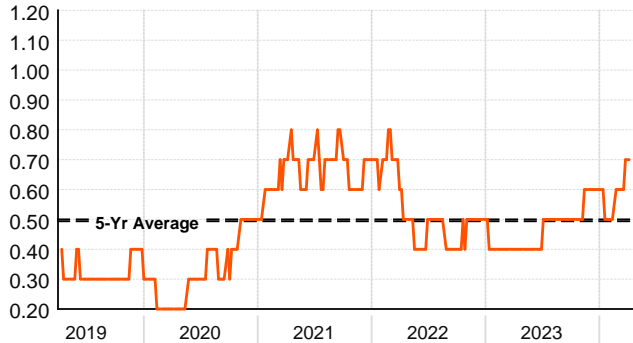
HIGHLIGHTS

- Hindalco Industries currently has a Relative Valuation Rating of 9 which is significantly above the S&P BSE SENSEX index average rating of 6.0.
- Compared to the Metals & Mining industry group, HINDALCO is currently trading at a significant discount based on Price to Sales ratio, Trailing P/E, and Forward P/E.
- Based on Price to Sales, HINDALCO currently trades at a 54% Discount to its Metals & Mining industry group peers. On average, the company has traded at a 45% Discount over the past five years.
- HINDALCO's Trailing P/E of 15.3 represents a 13% Premium to its 5-year average of 13.6.
- Based on Forward P/E, HINDALCO currently trades at a 33% Discount to its Metals & Mining industry group peers. On average, the company has traded at a 15% Discount over the past five years.

PRICE TO SALES

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

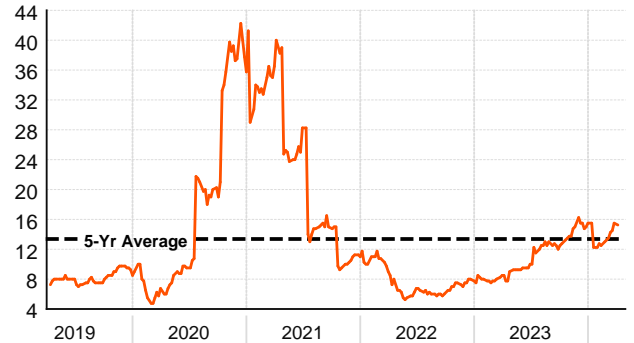
Price to Sales: 0.7
 5-Year Average: 0.5
 BSE Sensex Index Average: 3.5
 Metals & Mining Group Average: 1.5



TRAILING PE

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

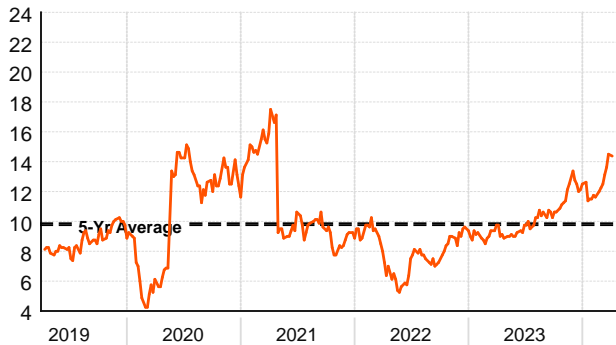
Trailing PE: 15.3
 5-Year Average: 13.6
 BSE Sensex Index Average: 24.9
 Metals & Mining Group Average: 27.2



FORWARD PE

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

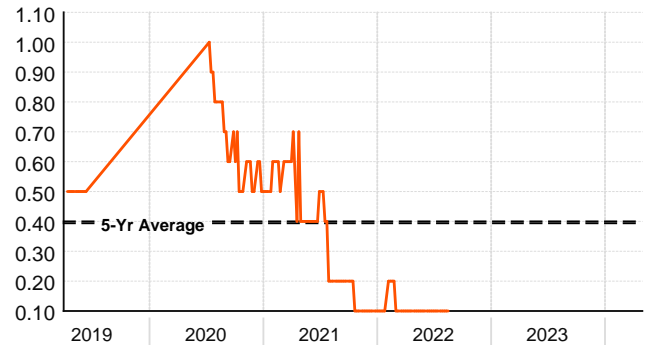
Forward PE: 14.4
 5-Year Average: 9.9
 BSE Sensex Index Average: 22.8
 Metals & Mining Group Average: 21.4



FORWARD PEG

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

Forward PEG: --
 5-Year Average: 0.4
 BSE Sensex Index Average: 1.5
 Metals & Mining Group Average: 0.3



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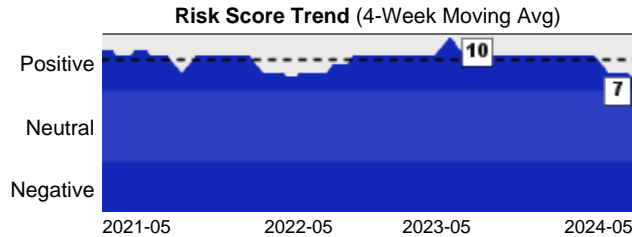
RISK

NEUTRAL OUTLOOK: Moderate risk (medium volatility).

RISK
7

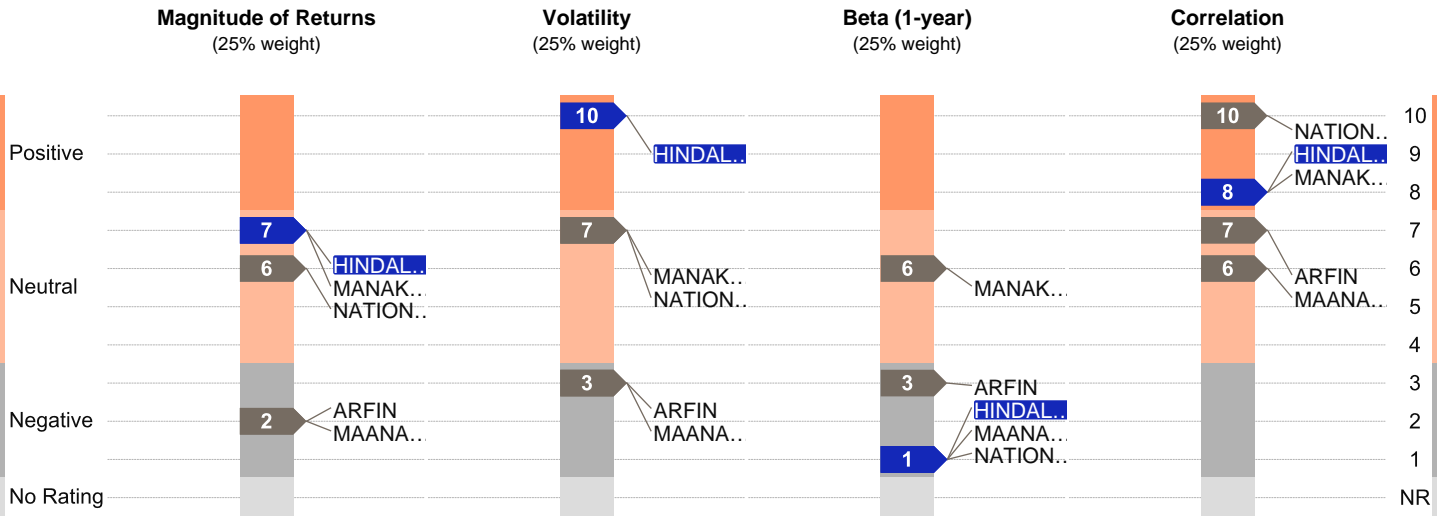
Risk Score Averages

Metals & Mining Group: **5.3** Large Market Cap: **8.4**
 Mineral Resources Sector: **5.6** BSE Sensex Index: **9.4**



Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
MANAKSIA	9	10	8	8	8	
HINDALCO	9	9	8	7	7	
NATIONALUM	9	7	6	7	7	
ARFIN	3	4	2	2	2	
MAANALU	5	5	2	1	1	

RISK INDICATORS



Daily Returns (Last 90 Days)		Standard Deviation		Beta vs. BSE Sensex		Correlation vs. BSE Sensex	
Best	4.0%	Last 90 Days	2.21	Positive Days Only	1.09	Last 90 Days	13%
Worst	-12.4%	Last 60 Months	13.81	Negative Days Only	1.28	Last 60 Months	71%
Monthly Returns (Last 60 Months)		Intra-Day Swing (Last 90 Days)		Beta vs. Group		Correlation vs. Group	
Best	41.6%	Average	2.6%	Positive Days Only	0.69	Last 90 Days	37%
Worst	-38.6%	Largest	8.6%	Negative Days Only	0.55	Last 60 Months	19%

HIGHLIGHTS

- Hindalco Industries currently has a Risk Rating of 7, which is significantly below the S&P BSE SENSEX index average rating of 9.4.
- On days when the market is up, HINDALCO tends to perform in-line with the S&P BSE SENSEX index. However, on days when the market is down, the shares generally decrease by more than the index does.
- In the short term, HINDALCO has shown low correlation (≥ -0.1 and < 0.2) with the S&P BSE SENSEX index. The stock has, however, shown high correlation (≥ 0.4) with the market in the long term.
- Over the last 90 days, HINDALCO shares have been more volatile than the overall market. The stock's daily price fluctuations have exceeded that of all 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
HINDALCO	4.0%	-12.4%	35	25	8.6%	41.6%	-38.6%
ARFIN	15.3%	-4.3%	26	34	18.3%	81.2%	-38.3%
MAANALU	17.0%	-9.2%	25	35	16.2%	62.7%	-46.4%
MANAKSIA	6.7%	-7.5%	25	34	12.0%	50.7%	-38.3%
NATIONALUM	9.8%	-10.2%	33	27	16.7%	43.4%	-28.5%
BSE Sensex	1.7%	-1.2%	36	23	2.1%	14.4%	-23.1%



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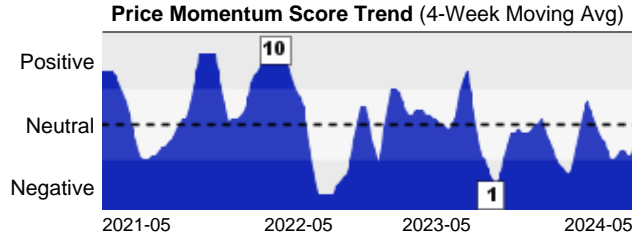
PRICE MOMENTUM Currency in INR

NEUTRAL OUTLOOK: Performance relatively in-line with the market.

PRICE MOMENTUM
5

Price Momentum Score Averages

Metals & Mining Group:	5.6	Large Market Cap:	6.2
Mineral Resources Sector:	6.0	BSE Sensex Index:	5.5



Peers	-6M	-3M	-1M	-1W	Current	1Y Trend
MAANALU	10	7	9	9	9	
ARFIN	10	4	8	7	8	
NATIONALUM	4	6	5	6	6	
HINDALCO	3	4	3	4	5	
MANAKSIA	8	3	2	2	1	

PRICE MOMENTUM INDICATORS

Relative Strength (50% weight)

Seasonality (50% weight)



Relative Strength Indicator (Scale from 1 to 100)

	HINDALCO	Industry Avg
Last 10 Days	75	49
Last 50 Days	63	52
Last 200 Days	56	53

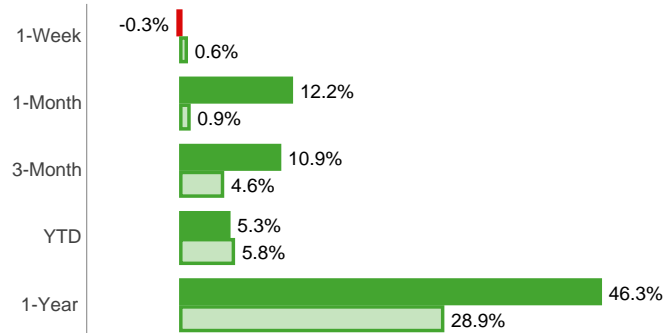
Average Monthly Return (Last 10 Years)

	May	Jun	Jul
Company Avg	2.2%	-0.95%	8.3%
Industry Avg	1.3%	7.1%	2.6%
Industry Rank	67 of 99	13 of 98	75 of 99

PRICE PERFORMANCE

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

■ HINDALCO
■ BSE 100



	HINDALCO	BSE 100
Close Price (2024-05-03)	647.10	23,680
52-Week High	661.60	23,854
52-Week Low	397.80	18,360

- On 2024-05-03, HINDALCO closed at 647.10, 2.2% below its 52-week high and 62.7% above its 52-week low.
- HINDALCO shares are currently trading 13.3% above their 50-day moving average of 571.28, and 23.2% above their 200-day moving average of 525.04.
- The S&P BSE 100 index is currently 0.70% below its 52-week high and 29.0% above its 52-week low.

DETAILED STOCK REPORT TIPS

The Stock Report from LSEG 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 classified within that industry.

Highlights

The automated text-generation system from LSEG 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 surprises, estimate revisions, 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 LSEG. The recommendations are presented on a five-point standardized scale: strong buy, buy, hold, sell, and strong 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

- Revenue Growth: $(\text{Net Sales} - \text{Previous Net Sales}) / \text{Previous Net Sales}$
- Gross Margin: $\text{Gross Profit} / \text{Net Sales}$
- Return on Equity: $\text{Net Income} / \text{Total Equity}$
- Net Margin: $\text{Net Profit} / \text{Net Sales}$

Debt

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

Earnings Quality

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

Dividend

The company must have a current dividend yield.

- Dividend Growth Rate: $(\text{Dividends per Share} - \text{Previous Dividends per Share}) / \text{Previous Dividends per Share}$
- Dividend Funding: $\text{Dividends} / \text{Operating Cash Flow}$
- Dividend Coverage: $(\text{Pre-Tax Income} + \text{Interest Expense}) / (\text{Interest Expense} + \text{Dividends})$
- Dividend Yield: $\text{Annual Dividends per Share} / \text{Current Market Price per Share}$

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, Trailing P/E, and Forward P/E. Each factor is equally weighted. Equal deciles are then 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: $\text{Close Price} / (\text{Sales for 4 Quarters or 1 Year} / \text{Shares Outstanding})$

- 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

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 relevant 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 and seasonality. The factors are equally weighted. Equal deciles are then 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 10 days, 50 days, and 200 days 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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