

Exceptional & Rich BSE 30™ Factsheet

Inception date April 2023

Description

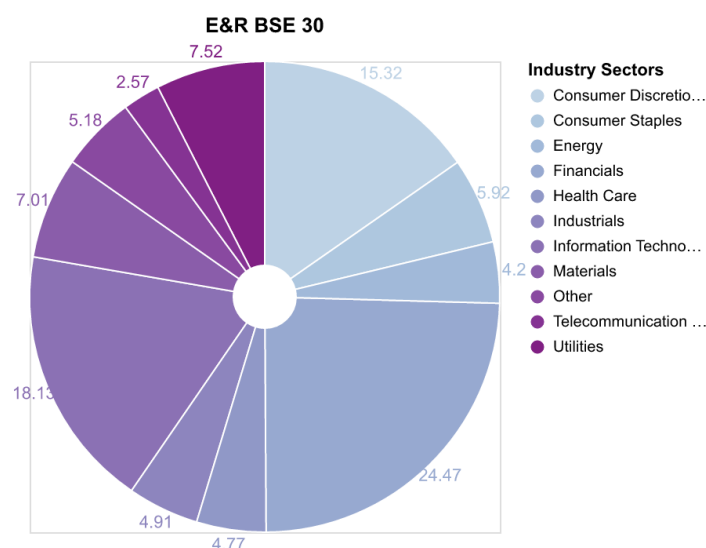
Exceptional & Rich BSE 30 Index [E&R BSE 30] has been created to improve the statistical and scientific design flaws of the market capitalization methodology used in the S&P SENSEX BSE 30 Index, which is widely regarded as the best single gauge of large-cap India equities. Unlike market capitalization methodology which is risk-increasing and return-reducing owing to its concentration, the E&R is designed to own 30 large-cap India equities, and deliver higher risk-weighted excess returns while maintaining low tracking error vs. the S&P SENSEX BSE 30 Index.

Methodology

The methodology is based on a modern science innovation, which uses Reversion-Divergence framework to dynamically score, weight and rebalance components in a group to deliver higher risk-weighted excess returns. The method removes the conflict between Efficient and Inefficient market thinking, statistically normal and non-normal behavior, or in simple terms the conflict between Value and Growth investing. The methodology is not Size biased, and obviates the need for concentration and running after winners but rather adopts a slower weight readjustment compared to the S&P SENSEX BSE 30 Index.

1. Exceptional & Rich BSE 30

1.1. Sector Breakdown (percentage)

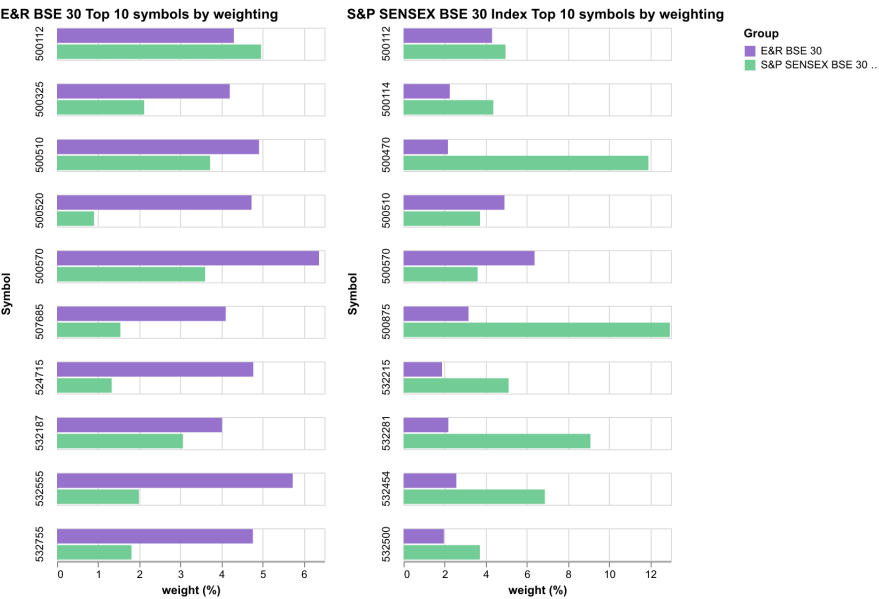


1.2. Top 10 Components

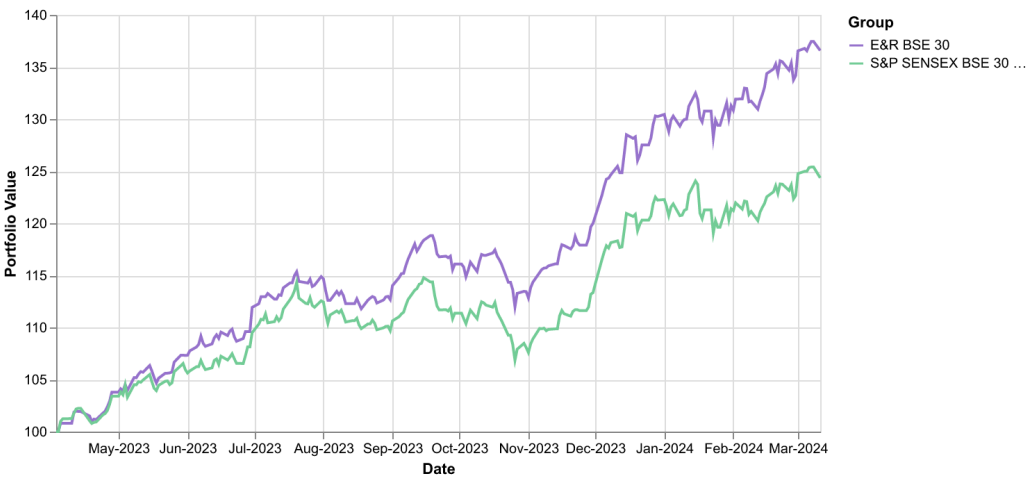
	Nr./Symbol	Name	Current Price	P&L(%)	E&R BSE 30 Proportion(%)	Unnamed: 6
1	500570	Tata Motors Limited	1028.00	4.13	6.37	2.18
2	532555	NTPC Ord Shs	347.80	26.56	5.73	1.99
3	500510	Larsen And Toubro Ord Shs	3638.60	34.23	4.91	5.11
4	524715	Sun Pharmaceutical Industries Ord Shs	1592.40	39.45	4.77	2.06
5	532755	Tech Mahindra Ord Shs	1289.65	-3.17	4.76	0.97
6	500520	Mahindra And Mahindra Ord Shs	1890.60	28.76	4.73	1.99
7	500112	State Bank of India Ord Shs	773.50	32.13	4.30	3.60
8	500325	Reliance Industries Ord Shs	2931.20	26.44	4.20	11.91
9	507685	Wipro Ord Shs	514.40	39.86	4.10	0.87
10	532187	Indusind Bank Ord Shs	1540.20	6.25	4.01	1.23

*In case components hit maximum weight constraints they are rebalanced back to lower inception weights.

1.3. Top 10 Comparisons



1.4. Performance Plot Since April 2023



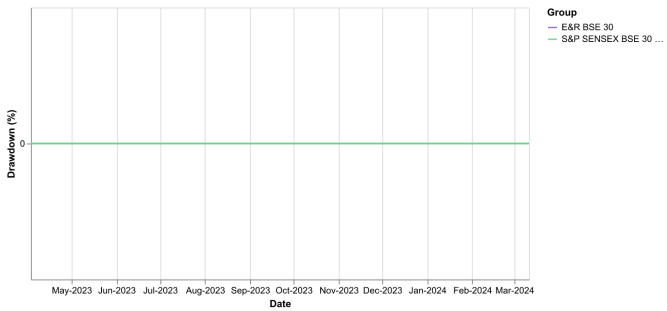
1.5. Performance Metrics

The table illustrates the performance across various parameters. The Performance (%) of Portfolio from different starting points, Current portfolio value of the funds invested at inception, Annualized (%) Returns, Annualized Standard Deviation (%), Average Tracking Error (%) and Average Information Ratio (%).

	Nr./Name	E&R BSE 30	S&P SENSEX BSE 30 Index
1	Performance (%) since January 2024	4.70	1.7
2	Current Portfolio Value (Invested in April 2023)	136.58	124.36
3	Annualized (%) Return (Since April 2023)	39.34	26.11
4	Annualized Std. Deviation (%)	9.53	9.66
5	Average Tracking Error (%)	1.40	-
6	Average Information Ratio (%)	2.34	-

1.6. Drawdown Analysis

A daily time series plot illustrating drawdowns of more than 10% from peak equity.



Nr./Portfolio	Drawdowns (%)	Start date	End date	Maximum (%)	Days
1	-	-	-	-	-

Nr./Benchmark	Drawdowns (%)	Start date	End date	Maximum (%)	Days
1	-	-	-	-	-

Bibliography

- [1] Matia, Kaushik and Pal, Mukul and Stanley, H. Eugene and Salunkay, H., Scale-Dependent Price Fluctuations for the Indian Stock Market. EuroPhysics Letters, Aug 2003
- [2] M. Pal, M. Shah, A. Mitroi, Temporal Changes in Shiller's Exuberance Data, SSRN, Feb 2011
- [3] M. Pal, Mean Reversion Framework, SSRN, May 2015
- [4] M. Pal, Markov and the Mean Reversion Framework, SSRN, May 2015
- [5] M. Pal, Momentum and Reversion, Aug 2015
- [6] M. Pal, What is Value, SSRN, Sep 2015
- [7] M. Pal, M. Ferent, Stock Market Stationarity, SSRN, Sep 2015
- [8] M. Pal, Reversion Diversion Hypothesis, SSRN, Nov 2015
- [9] M. Pal, How Physics Solved your wealth problem, SSRN, Oct 2016
- [10] M. Pal, Human AI, SSRN, Jul 2017
- [11] M. Pal, The Size Proxy, Aug 2017
- [12] M. Pal, The Beta Maths, SSRN, Mar 2017
- [13] Maureen, O. Bhattacharya, A. ETFs and Systematic Risk. CFA Research Institute, Jan 2020
- [14] M. Pal, [3N] model of life, SSRN, Apr 2021
- [15] M. Pal, The S&P 500 Myth, SSRN, Jul 2022
- [16] M. Pal, The Snowball Effect, SSRN, Jul 2022
- [17] M. Pal, Mechanisms of Psychology, SSRN, Jun 2022
- [18] M. Pal, The [3N] model of life, SSRN, Feb 2023
- [19] M. Pal, R. Fenesi, O.D. Cigan, A.G. Berciu, R.C. Tiric, F. Pal, D. Todor, E.H. Dulf, Revolutionizing Active Investing With Machine Learning, SSRN, Jan 2024
- [20] M. Pal, R.C. Tiric, F. Pal, Machine Beta, Statistical Factors, Non-Linear Mechanisms And The [3N] Methodology, SSRN, Jan 2024



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