

October 03,2024

Exceptional & Rich BSE 30 Q™

Inception date January 2007

Description

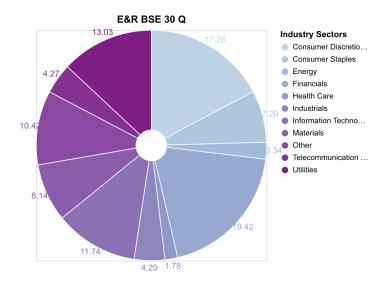
Exceptional & Rich BSE 30 Q Index [E&R BSE 30 Q] has been created to improve the statistical and scientific design flaws of the market capitalization methodology used in the S&P SENSEX BSE 30 Index, which is widely regarded as the best single gauge of large-cap India equities. Unlike market capitalization 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 Q

1.1. Sector Breakdown (percentage)

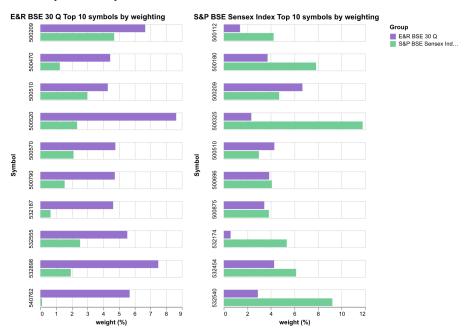


1.2. Top 10 Components

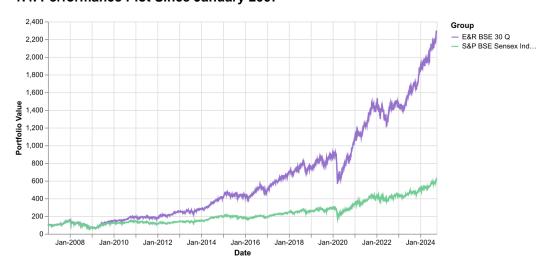
	Nr./Symbol	Name	Current Price	P&L(%)	E&R BSE 30 Q Proportion(%)
1	500520	Mahindra And Mahindra Ord Shs	3096.20	87.03	8.64
2	532898	Power Grid Of India Ord Shs	352.90	87.90	7.50
3	500209	Infosys Ord Shs	1876.00	29.80	6.67
4	540762	Tube Investment of India Ltd	4349.90	23.07	5.68
5	532555	NTPC Ord Shs	443.10	18.92	5.53
6	500570	Tata Motors Limited	974.70	-3.40	4.77
7	500790	Nestle India Ord Shs	2688.95	18.83	4.74
8	532187	Indusind Bank Ord Shs	1448.00	-6.15	4.63
9	500470	Tata Steel Ord Shs	168.45	-4.48	4.44
10	500510	Larsen And Toubro Ord Shs	3675.50	21.46	4.29

^{*}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 January 2007



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 (%).

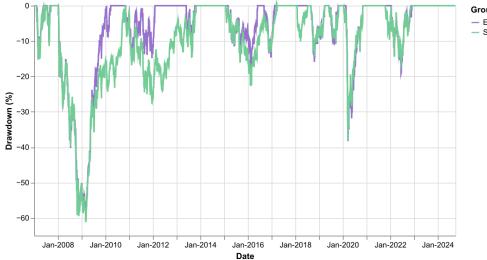
	Nr./Name	E&R BSE 30 Q	S&P BSE Sensex Index
1	Performance (%) since January 2008	1421.65	315.09
2	Performance (%) since January 2013	796.14	330.35
3	Performance (%) since January 2018	231.57	149.21
4	Performance (%) since January 2024	20.90	16.6
5	Current Portfolio Value (Invested in January 2007)	2275.82	601.26
6	Annualized (%) Return (Since January 2007)	19.24	10.63
7	Annualized Std. Deviation (%)	19.01	20.62
8	Average Tracking Error (%)	5.27	-
9	Average Information Ratio (%)	1.65	_

1.6. Annualized Rolling Return



1.7. Drawdown Analysis

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



- Group

 E&R BSE 30 Q

 S&P BSE Sensex Ind...

	Nr./Portfolio Drawdowns (%)	Start date	End date	Maximum (%)	Days		Nr./Benchmark Drawdowns (%)	Start date	End date	Maximum (%)	Days
1	-	7-Feb-07	31-May-07	-15.27	113	1	-	8-Feb-07	2-Jul-07	-15.27	144
2	-	23-Jul-07	6-Sep-07	-10.01	45	2	-	24-Jul-07	19-Sep-07	-11.43	57
3	-	7-Jan-08	26-Mar-10	-58.30	809	3	-	8-Jan-08	4-Nov-10	-60.91	1031
4	-	10-Nov-10	6-Feb-12	-15.80	453	4	-	5-Nov-10	30-Oct-13	-27.75	1090
5	-	30-May-13	11-Oct-13	-13.65	134	5	-	29-Jan-15	3-Apr-17	-22.67	795
6	-	3-Mar-15	2-Jun-16	-17.80	457	6	-	29-Jan-18	12-Jul-18	-10.16	164
7	-	6-Sep-16	21-Feb-17	-14.65	168	7	-	28-Aug-18	2-Apr-19	-14.26	217
8	-	28-Aug-18	2-Apr-19	-15.91	217	8	-	3-Jun-19	4-Nov-19	-10.37	154
9	-	3-Jun-19	30-Oct-19	-11.05	149	9	•	14-Jan-20	9-Nov-20	-38.07	300
10	-	19-Feb-20	9-Nov-20	-38.30	264	10	-	18-Oct-21	11-Nov-22	-16.85	389
11	-	17-Jan-22	1-Dec-22	-19.24	318						

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







This product is driven by AlphaBlock Research:

Mukul Pal

mukul@alphablock.org

Florina Pal

florina@alphablock.org

Bianca Bradea

bianca.bradea@alphablock.org

Ciprian Tiric

ciprian.tiric@alphablock.org

Oliviu Cigan

oliviu.cigan@alphablock.org

CONFIDENTIALITY NOTICE: The information contained in this communication is intended solely for the use of the individual or entity to whom it is addressed and others authorized toreceive it, It may contain confidential or legally privileged information. If you are not the intended recipient you are hereby notified that any disclosure, copying, distribution or taking anyaction in reliance on the contents of this information is strictly prohibited and may be unlawful. If you have received this communication in error, please notify us immediately byresponding to this email and then delete it from your system. We are neither liable for the proper and complete transmission of the information contained in this communication nor forany delay in its receipt.







