

## Exceptional & Rich India MidCap Select™ Factsheet

AS OF AUGUST 30, 2023

### Description

Exceptional & Rich India MidCap Select Index [E&R India MidCap Select] has been created to improve the statistical and scientific design flaws of the market capitalization methodology used in the S&P BSE MidCap Select, which is widely regarded as the best single gauge of mid-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 29 mid-cap Indian equities, and deliver higher risk-weighted excess returns while maintaining low tracking error vs. the S&P BSE MidCap Select.

### Index Attributes

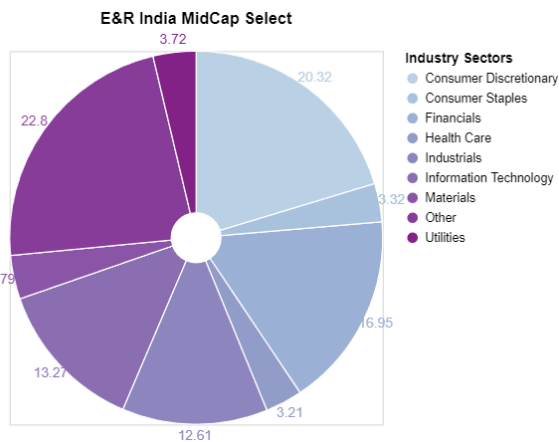
Launched on January 3, 2023, the E&R India MidCap Select leads a new generation of Smart Beta Indices that electronically delivers investable fund processes direct to Institutional and Individual investors. The lack of secondary market delivery is an essential attribute for the Index as it reduces the overall systematic risk inherent in Exchange Traded Funds today and allow the final investor to only pay-for-alpha above the S&P BSE MidCap Select.

### 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 BSE MidCap Select.

## 1. Exceptional & Rich India 100 - Inception date January 2017

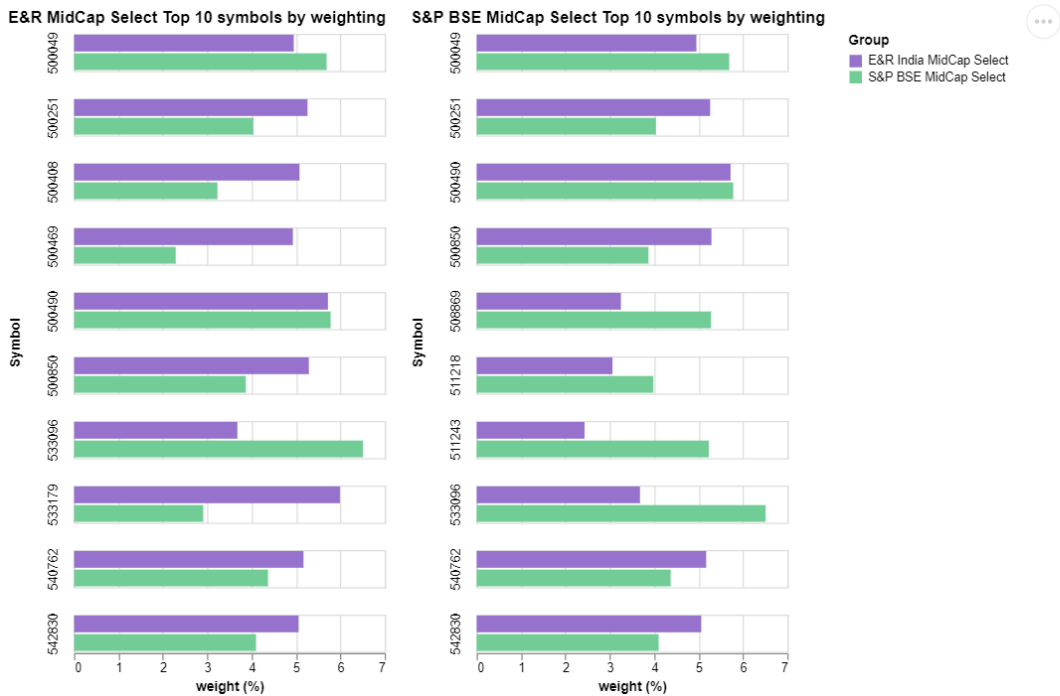
### 1.1. Sector Breakdown (percentage)



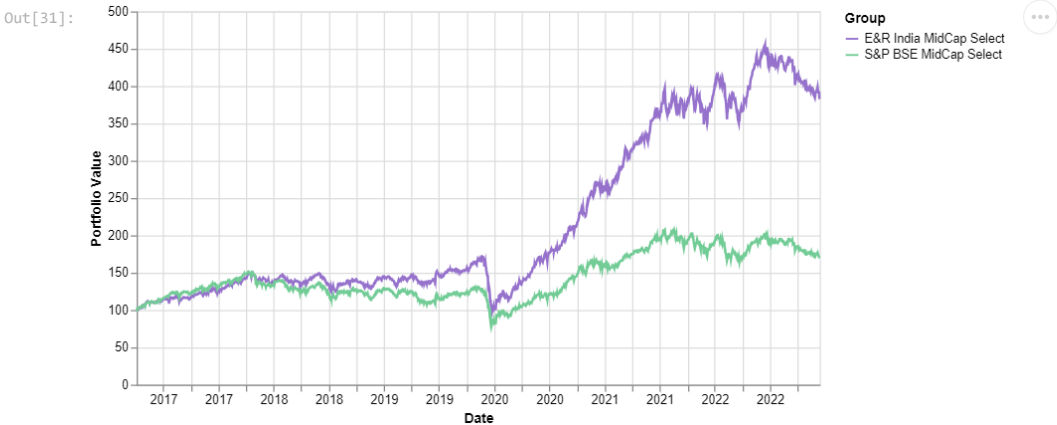
### 1.2. Top 10 Components

Out[29]:	Nr./Symbol	Name	Current Price	P&L(%)	E&R India MidCap Select Proportion(%)
1	533179	PERSISTENT	4522.35	11.71	5.99
2	500490	Bajaj Hold	6036.45	6.61	5.72
3	500850	INDIANHOTEL	315.55	-1.41	5.29
4	500251	TRENT	1320.40	-1.92	5.26
5	540762	Tube Investment of India Ltd	2681.05	-3.70	5.17
6	500408	Tata Elxsi	6089.60	-5.23	5.08
7	542830	Indian Railway Catering and Tourism Corporation Ltd	606.55	-5.78	5.06
8	500049	Bharat Electronics Ltd	92.64	-7.73	4.95
9	500469	FEDERALBANK	126.60	-8.06	4.93
10	533096	Adani Power	202.15	-31.43	3.68

1.3. Top 10 Comparisons



1.4. Performance Plot Since January 2017



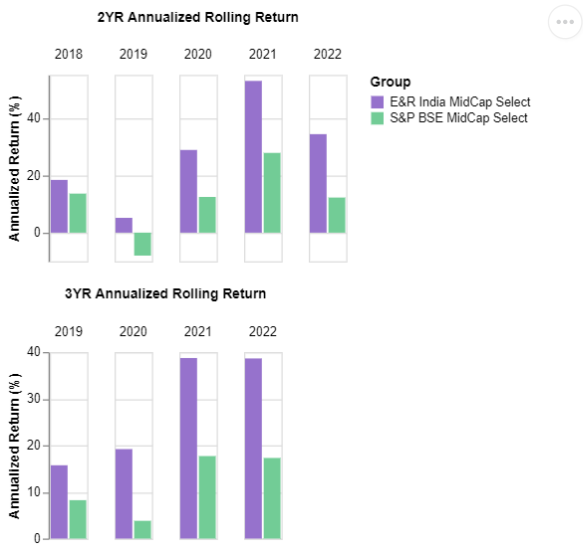
1.5. Performance Metrics

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 (%).

Out[32]:

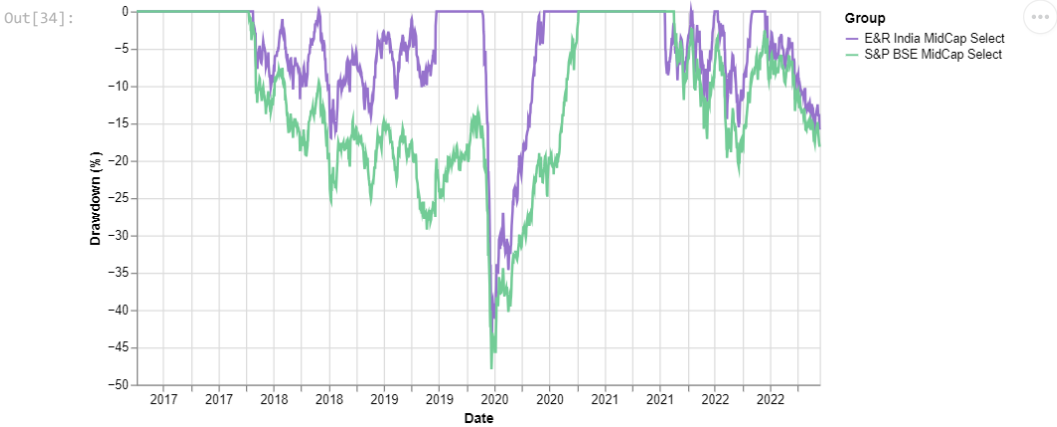
	Nr./Name	E&R India MidCap Select	S&P BSE MidCap Select
1	Performance (%) since January 2018	167.36	14.34
2	Performance (%) since January 2019	171.17	32.76
3	Performance (%) since January 2021	76.29	14.82
4	Performance (%) since January 2023	-7.71	-7.95
5	Current Portfolio Value (Invested in January 2017)	382.75	169.9
6	Annualized (%) Return (Since January 2017)	24.18	8.93
7	Annualized Std. Deviation (%)	19.74	19.39
8	Average Tracking Error (%)	7.30	-
9	Average Information Ratio (%)	1.93	-

1.6. Annualized Rolling Return



1.7. Drawdown Analysis

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



Out[35]:

Nr./Portfolio Drawdowns (%)	Start date	End date	Maximum (%)	Days
1	23-Jan-18	23-Sep-19	-16.92	608
2	21-Feb-20	14-Sep-20	-44.08	206
3	13-Jan-22	1-Apr-22	-12.25	78
4	11-Apr-22	4-Aug-22	-15.53	115
5	15-Sep-22	15-Mar-23	-15.84	181

Out[36]:

Nr./Benchmark Drawdowns (%)	Start date	End date	Maximum (%)	Days
1	8-Jan-18	5-Jan-21	-47.93	1093
2	17-Nov-21	15-Mar-23	-20.82	483

## 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

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