

# BSE Dividend Stability Index Methodology

June 2024

Asia Index Private Limited: Index Methodology

# Table of Contents

| Index Objec     | tive and Highlights  | 3  |
|-----------------|--|----|
|                 | Index Family   | 3  |
|                 | Supporting Documents                                       | 3  |
| Eligibility Cri | iteria   | 4  |
|                 | Eligibility Factors  | 4  |
| Index Const     | ruction  | 5  |
|                 | Company Data Points  | 5  |
|                 | Constituent Selection                                      | 5  |
|                 | Constituent Weightings                                     | 5  |
|                 | Index Calculations   | 5  |
| Index Mainte    | enance   | 6  |
|                 | Rebalancing  | 6  |
|                 | Ongoing Maintenance  | 6  |
|                 | Additions  | 6  |
|                 | Deletions  | 6  |
|                 | Graded Surveillance Measure (GSM)                          | 7  |
|                 | Corporate Actions  | 7  |
|                 | Currency of Calculation and Additional Index Return Series | 8  |
|                 | Base Date and History Availability                         | 8  |
| Index Data      |  | 9  |
|                 | Calculation Return Types – Equity Indices                  | 9  |
| Index Gover     | nance  | 10 |
|                 | Index Committee  | 10 |
| Index Policy    | ,  | 11 |
|                 | Announcements  | 11 |
|                 | Pro-forma Files  | 11 |
|                 | Holiday Schedule   | 11 |
|                 | Rebalancing  | 11 |
|                 | Unexpected Exchange Closures                               | 11 |
|                 | Recalculation Policy                                       | 11 |
|                 | Real-Time Calculation                                      | 12 |
|                 | End-of-Day Calculation                                     | 12 |

Asia Index Private Limited: BSE Dividend Stability Index Methodology

| Contact Information            | 12 |
|--------------------------------|----|
| Index Dissemination            | 13 |
| Tickers                        | 13 |
| Index Data                     | 13 |
| Web site                       | 13 |
| Appendix – Methodology Changes | 14 |
| Disclaimer                     | 15 |

#### Index Objective and Highlights

The BSE Dividend Stability Index is designed to measure the performance of companies in the BSE LargeCap that have paid stable and sustainable dividends over the past nine fiscal years. Constituents are weighted by indicated annual dividend yield, and the index composition is reviewed annually in September.

#### Index Family

The BSE Dividend Stability Index is part of the strategy family of BSE Indices.

For more information on other BSE Indices, please refer to www.bseindia.com or www.asiaindex.co.in.

#### **Supporting Documents**

This methodology is meant to be read in conjunction with supporting documents providing greater detail with respect to the policies, procedures and calculations described herein. References throughout the methodology direct the reader to the relevant supporting document for further information on a specific topic. The list of the main supplemental documents for this methodology and the hyperlinks to those documents is as follows:

| Supporting Document                        | URL                                       |
|--|---|
| AIPL Equity Index Policy                   | AIPL Equity Index Policy                  |
| AIPL Index Mathematics Methodology         | AIPL Index Mathematics Methodology        |
| AIPL Indices' Float Adjustment Methodology | AIPL Indices Float Adjustment Methodology |

This methodology was created by Asia Index Private Limited to achieve the aforementioned objective of measuring the underlying interest of each index governed by this methodology document. Any changes to or deviations from this methodology are made in the sole judgment and discretion of Asia Index Private Limited so that the index continues to achieve its objective.

# **Eligibility Criteria**

#### **Eligibility Factors**

**Index Universe.** The index universe is drawn from the constituents of the BSE LargeCap, which is a size sub-index of the BSE AllCap.

**Listing History.** Stocks must have a listing history of at least seven years on the BSE as of the rebalancing reference date.

Security Type. Only common stocks are eligible.

For details and index management rules of the BSE AllCap and BSE LargeCap, please refer to the BSE AllCap Methodology available at <u>www.bseindia.com</u> and <u>www.asiaindex.co.in</u>.

# **Index Construction**

#### **Company Data Points**

As part of the constituent selection process, the following are calculated for each eligible company:

- 1. Annual Dividends per share (DPS)/Annual Earnings per share (EPS)
- 2. Annual Dividends per share (DPS)/Par value per share (PVPS)

Data point 1 is calculated based on an observation period defined as the company's prior nine fiscal years, as of the rebalancing reference date.

Data point 2 is calculated based on an observation period defined as the company's prior two fiscal years, as of the rebalancing reference date.

#### **Constituent Selection**

At each annual rebalancing, eligible companies must meet the following criteria:

- 1. The most recent DPS/EPS must be at least 4% and less than 100%.
- 2. The DPS/EPS for at least seven of the past nine years must be at least 4%.
- 3. The DPS/PVPS for the past two years must be at least 10%.

Companies that do not satisfy the above criteria are excluded from index consideration. Those companies meeting the criteria detailed above are selected and form the index.

#### **Constituent Weightings**

Every company in the index is weighted by indicated annual dividend yield.

For more information on non-market capitalization weighting schemes, please see AIPL Index Mathematics Methodology.

#### **Index Calculations**

The indices are calculated by means of the divisor methodology used in all Asia Index Pvt, Ltd, equity indices.

For more information on the index calculation methodology, please refer to the Non-Market Capitalization Weighted Indices section of AIPL Index Mathematics Methodology.

### **Index Maintenance**

#### Rebalancing

The index is rebalanced annually, effective as of market open on the Monday following the third Friday of September, respectively. The rebalancing reference date is after the close of market on the third Friday of August. The reference universe for the index is composed of the underlying index as of market open on the upcoming rebalancing effective date.

Index shares are assigned based on prices after the close of market on the Wednesday prior to the second Friday of the rebalancing month. The actual weight of each stock at the rebalancing differs from these weights due to market movements.

Share Updates. For more information, please refer to AIPL Equity Index Policy.

**Float Adjustment.** Investable Weight Factors (IWFs), which define the available float for a company, are reviewed on an quarterly basis and are implemented at market open on the Monday following the third Friday of March, June, September & December.

Foreign investment limits are not applied while calculating the IWF for BSE index constituents.

For a detailed description of float adjustment and Investable Weight Factors, please refer to AIPL Indices' Float Adjustment Methodology.

#### **Ongoing Maintenance**

The index is also reviewed on an ongoing basis to account for corporate events such as mergers, takeovers, delistings, group changes, suspensions, spin-offs/demergers or bankruptcies. Changes to index composition and related weight adjustments are made as soon as they are effective. These changes are typically announced one to five business days prior to the implementation date.

#### Additions

No companies are added to the index between annual rebalancings.

#### Deletions

If a company is removed from the BSE LargeCap, it is also deleted from the BSE Dividend Stability Index simultaneously.

In addition, a company can be deleted from the index between annual rebalancings due to corporate events such as mergers, takeovers, delistings, group changes, suspensions, surveillance objections, graded surveillance measure objections, spin-offs/demergers, or bankruptcies. In addition, index constituents removed from an index's underlying universe are also deleted from the index on the same effective date.

- Whenever possible, changes in the index's components are announced at least one to five business days prior to the implementation date.
- Whenever practicable, Asia Index Private Limited Indices uses the day's closing price for all deletions.

#### Graded Surveillance Measure (GSM)

On a monthly basis, companies added to the GSM list are dropped from the indices. The effective date of the drop begins at market open on the Tuesday following the first Monday of each month. The reference date for the GSM list data is the third Friday of the previous month.

Any company dropped due to inclusion on the GSM list must remain off the list for six consecutive months prior to the rebalancing reference date to be reconsidered for index inclusion.

#### **Corporate Actions**

| Corporate Action  | Adjustment to Index   | Divisor<br>Adjustment? |
|---|---|------------------------|
| Spin Off  | In general, the parent company is dropped from the index. However, if information regarding price adjustment is available, the parent company may remain in the index with an adjusted price, at the discretion of the Index Committee. | Yes                    |
| Rights Offering   | The price is adjusted to the Price of the Parent<br>Company minus the Price of the Rights Offering/ Rights<br>Ratio. Index shares change so that the company's<br>weight remains the same as its weight before the rights<br>offering.  | No                     |
| Stock Dividend (Bonus),<br>Stock split, Reverse Stock<br>Split    | Index shares are multiplied by, and price is divided by, the split factor.  | No                     |
| Change in Shares (new issue, repurchase, warrant conversion etc.) | None.   | No                     |
| Special Dividend  | Price of stock making special dividend is reduced by the<br>per share special dividend amount after the close of<br>trading on the day before the dividend ex-date.   | Yes                    |
| Constituent Change  | No intraday rebalancing.  | No                     |
|   | Deletions due to delisting, acquisition or any other<br>corporate event resulting in the deletion of the stock<br>from the index will cause the weights of the rest of the<br>stocks in the index to change.                            | Yes                    |
|   | Stocks that are reclassified into Z group between<br>rebalancings are removed from the index as soon as<br>practicable.   | Yes                    |
|   | Rebalancing changes including additions, deletions, and weight changes  | Yes                    |

For more information, please refer to the Non-Market Capitalization Indices sections of AIPL Equity Index Policy.

#### **Currency of Calculation and Additional Index Return Series**

The index is calculated in Indian rupees.

For information on the index calculation, please refer to AIPL Index Mathematics Methodology.

#### Base Date and History Availability

Index history availability, base date, and base value are shown in the table below.

|                              | Launch    | First Value | Base      | Base  |
|------------------------------|-----------|-------------|-----------|-------|
| Index                        | Date      | Date        | Date      | Value |
| BSE Dividend Stability Index | 27-Jul-15 | 16-Sep-05   | 16-Sep-05 | 100   |

### Index Data

#### **Calculation Return Types – Equity Indices**

Asia Index Pvt. Ltd. calculates multiple return types which vary based on the treatment of regular cash dividends. The classification of regular cash dividends is determined by Asia Index Pvt. Ltd.

- Price Return (PR) versions are calculated without adjustments for regular cash dividends.
- Gross Total Return (TR) versions reinvest regular cash dividends at market close on the ex-date.

In the event there are no regular cash dividends on the ex-date, the daily performance of the above two indices will be identical.

For a complete list of indices available, please refer to the daily index levels file (".SDL").

For more information on the classification of regular versus special cash dividends, please refer to AIPL Equity Index Policy.

For more information on the calculation of return types, please refer to AIPL Index Mathematics Methodology.

# Index Governance

#### **Index Committee**

The Asia Index Pvt. Ltd.'s Index Committee oversees the index. The Index Committee meets regularly. At each meeting, the Index Committee reviews pending corporate actions that may affect index constituents, statistics comparing the composition of the index to the market, companies that are being considered as candidates for addition to the index, and any significant market events. In addition, the Index Committee may revise index policy covering rules for selecting companies, treatment of dividends, share counts, or other matters.

Asia Index Private Limited considers information about changes to its indices and related matters to be potentially market moving and material. Therefore, all Index Committee discussions are confidential.

Asia Index Pvt. Ltd.'s Index Committees reserve the right to make exceptions when applying the methodology if the need arises. In any scenario where the treatment differs from the general rules stated in this document or supplemental documents, clients will receive sufficient notice, whenever possible.

In addition to the daily governance of indices and maintenance of index methodologies, at least once within any 12-month period, the Index Committee reviews the methodology to ensure the indices continue to achieve the stated objectives, and that the data and methodology remain effective. In certain instances, AIPL may publish a consultation inviting comments from external parties.

For information on Quality Assurance and Internal Reviews of Methodology, please refer to AIPLEquity Index Policy.

# **Index Policy**

#### Announcements

All index constituents are evaluated daily for data needed to calculate index levels and returns. All events affecting the daily index calculation are typically announced in advance via the Index Corporate Events report (.SDE), delivered daily to all clients. Any unusual treatment of a corporate action or short notice of an event may be communicated via email to clients.

#### **Pro-forma Files**

In addition to the corporate events file (.SDE), Asia Index Private Limited provides constituent pro-forma files each time the index rebalances. The pro-forma file is typically provided daily days in advance of the rebalancing date and contains all constituents as well as their corresponding weights and index shares effective for the upcoming rebalancing. Since index shares are assigned based on prices prior to the rebalancing, the actual weight of each stock at the rebalancing differs from these weights due to market movements.

*Please visit <u>www.asiaindex.co.in</u> for a complete schedule of rebalancing timelines and pro-forma delivery times.* 

#### **Holiday Schedule**

The index is calculated on all business days when the BSE is open.

A complete holiday schedule for the year is available on the BSE Ltd. Web site at www.bseindia.com.

**Special Trading Sessions.** The index will be calculated on special trading sessions as declared by the BSE Ltd. Some examples include, but are not limited to, special trading sessions on Saturday and Mahurat trading. Asia Index Private Limited will issue a notice to apprise market participants of such special trading sessions.

If the special trading session falls on the Saturday following the third Friday of any rebalancing month, the new portfolio will be effective at the discretion of the Index Committee. Asia Index Private Limited will issue a notice to inform market participants of the new portfolio's effective date.

#### Rebalancing

The Index Committee may change the date of a given rebalancing for reasons including market holidays occurring on or around the scheduled rebalancing date. Any such change will be announced with proper advance notice where possible.

#### Unexpected Exchange Closures

For information on Unexpected Exchange Closures, please refer to AIPL Equity Index Policy.

#### **Recalculation Policy**

For information on the recalculation policy, please refer to AIPL Equity Index Policy.

#### **Real-Time Calculation**

Real-time, intra-day index calculations are executed for certain BSE Indices on the BSE real-time platform, "EPIC". Real-time indices are not restated.

For information on Calculations and Pricing Disruptions, Expert Judgment and Data Hierarchy, please refer to AIPL Equity Index Policy.

#### **End-of-Day Calculation**

End of day index calculations are executed on an Asia Index Pvt. Ltd. proprietary platform.

#### **Contact Information**

For questions regarding an index, please contact: bseindex@bseindia.com

## **Index Dissemination**

Index levels are available through BSE Ltd. Web site at bseindia.com, Asia Index Private Limited's Web site at <u>www.asiaindex.co.in</u>, major quote vendors (see codes below), numerous investment-oriented Web sites, and various print and electronic media.

#### Tickers

The table below lists headline indices covered by this document. All versions of the below indices that may exist are also covered by this document.

| Index (Currency)                | Bloomberg | RIC      |
|---------------------------------|-----------|----------|
| BSE Dividend Stability Index    | BSEDIVS   | BSEDIVS  |
| BSE Dividend Stability Index TR | BSEDIVST  | BSEDIVST |

#### Index Data

Daily constituent and index level data are available via subscription.

For product information, please contact Asia Index Pvt. Ltd., www.asiaindex.co.in/contact-us.

#### Web site

For further information, please refer to Asia Index Pvt. Ltd. Web site at www.asiaindex.co.in

# Appendix – Methodology Changes

Methodology changes since January 1, 2015, are as follows:

|   | Effective Date |   |   |  |
|---|----------------|---|---|--|
| Change  | (After Close)  | Previous  | Updated   |  |
| Index Maintenance   | 24-Sep-18      |   | On a monthly basis, companies added to the<br>GSM list are dropped. The effective date of<br>the drop is at market open on the Tuesday<br>following the first Monday of each month. The<br>reference date for the GSM list data is the<br>third Friday of the previous month.<br>Any company dropped due to inclusion on the<br>GSM list must remain off the list for six<br>consecutive months prior to the rebalancing<br>reference date to be reconsidered for index<br>inclusion. |  |
| Constituent<br>Selection  | 15-Sep-2017    | At each annual rebalancing, eligible<br>companies must meet the following<br>criteria:  | At each annual rebalancing, eligible<br>companies must meet the following<br>criteria:  |  |
|   |                | The most recent DPS/EPS must<br>be at least 4% and less than 100%   | <ul> <li>The most recent DPS/EPS must<br/>be at least 4% and less than 100%</li> </ul>  |  |
|   |                | The DPS/EPS for at least seven of<br>the past nine years must be at<br>least 4%   | <ul> <li>The DPS/EPS for at least seven of<br/>the past nine years must be at<br/>least 4%</li> </ul>   |  |
|   |                | <ul> <li>The DPS/PVPS for at least seven<br/>of the past nine years must be at<br/>least 4%</li> </ul>                                  | <ul> <li>The DPS/PVPS for the past two<br/>years must be at least 10%</li> </ul>  |  |
| Weighing Scheme   | 16-Sep-2016    | Float-adjusted market capitalization<br>weighing scheme. Index constituents are<br>weighted by float-adjusted market<br>capitalization. | Modified market capitalization weighing<br>scheme. Index constituents are<br>weighted by indicated annual dividend<br>yield.  |  |
| Corporate Action:<br>Rights Offering  | 16-Sep-2016    | The rights price is adjusted, and index<br>shares are increased as per the Rights<br>Ratio, with a divisor adjustment.                  | The price is adjusted to the Price of the<br>Parent Company minus the Price of the<br>Rights Offering/ Rights Ratio. Index<br>shares change so that the company's<br>weight remains the same as its weight<br>before the rights offering. There is no<br>divisor adjustment.  |  |
| Corporate Action:<br>Change in Shares<br>(new issue,<br>repurchase, warrant<br>conversion etc.) | 16-Sep-2016    | Index shares and weights are changed<br>as per the corporate action, with a<br>divisor adjustment.                                      | No impact on the index and no divisor adjustment.   |  |
| Rebalancing<br>Reference Date   | 18-Mar-2016    | Last trading day of August.   | Third Friday of August.   |  |

### Disclaimer

The BSE Indices are published by Asia Index Private Limited ("AIPL"), which is a wholly owned subsidiary of BSE Limited ("BSE"). BSE® and SENSEX® are registered trademarks of BSE. The trademarks have been licensed to AIPL and have been sublicensed for use for certain purposes by Licensee's "[Insert Product]" (the "Product") is/are not sponsored, endorsed, sold or promoted by AIPL or BSE. None of AIPL or BSE makes any representation or warranty, express or implied, to the owners of the Product(s) or any member of the public regarding the advisability of investing in securities generally or in the Product particularly or the ability of the Index to track general market performance. AIPL's and BSE's only relationship to Licensee with respect to the Index is the licensing of the Index and certain trademarks, service marks and/or trade names of AIPL, BSE and/or their licensors. The BSE Indices are determined, composed and calculated by AIPL or its agent without regard to Licensee or the Product. None of AIPL or BSE are responsible for and have not participated in the determination of the prices, and amount of the Product or the timing of the issuance or sale of the Product or in the determination or calculation of the equation by which the Product is to be converted into cash, surrendered or redeemed, as the case may be. AIPL and BSE have no obligation or liability in connection with the administration, marketing or trading of the Product. There is no assurance that investment products based on the Index will accurately track index performance or provide positive investment returns. AIPL and BSE are not investment advisors. Inclusion of a security within an index is not a recommendation by AIPL or BSE to buy, sell, or hold such security, nor is it considered to be investment advice.

AIPL, BSE AND THEIR THIRD PARTY LICENSORS DO NOT GUARANTEE THE ADEQUACY, ACCURACY, TIMELINESS AND/OR THE COMPLETENESS OF THE INDEX OR ANY DATA RELATED THERETO. AIPL, BSE AND THEIR THIRD PARTY LICENSORS SHALL NOT BE SUBJECT TO ANY DAMAGES OR LIABILITY FOR ANY ERRORS, OMISSIONS, OR DELAYS THEREIN. AIPL, BSE AND THEIR THIRD PARTY LICENSORS MAKE NO EXPRESS OR IMPLIED WARRANTIES. AND EXPRESSLY DISCLAIM ALL WARRANTIES. OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE OR AS TO RESULTS TO BE OBTAINED BY LICENSEE. OWNERS OF THE PRODUCT. OR ANY OTHER PERSON OR ENTITY FROM THE USE OF THE INDEX OR WITH RESPECT TO ANY DATA RELATED THERETO. WITHOUT LIMITING ANY OF THE FOREGOING. IN NO EVENT WHATSOEVER SHALL AIPL, BSE OR THEIR THIRD PARTY LICENSORS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, TRADING LOSSES, LOST TIME OR GOODWILL, EVEN IF THEY HAVE BEEN ADVISED OF THE POSSIBLITY OF SUCH DAMAGES, WHETHER IN CONTRACT, TORT, STRICT LIABILITY, OR OTHERWISE. THERE ARE NO THIRD PARTY BENEFICIARIES OF ANY AGREEMENTS OR ARRANGEMENTS BETWEEN AIPL AND LICENSEE, OTHER THAN THE LICENSORS OF AIPL (INCLUDING BSE).