



**NSE Indices Limited**

(Formerly known as India Index Services & Products Limited-IISL)

# **Nifty 1D Rate Index - Methodology Document**

November 2018

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## Introduction

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The overnight market in India is the most active component of the money market. Lenders agree to lend borrowers funds only "overnight" i.e. the borrower must repay the borrowed funds plus interest on next business day.

The objective of this index is to measure the returns generated by market participants lending in the overnight market.

The index uses the overnight rate provided through Triparty Repo Dealing System (TREPS) by Clearing Corporation of India Ltd. (CCIL). The details of TREPS are available on [CCIL](#).

The methodology of index computation is given in this document.

## Methodology

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- Annualised weighted average rate published by CCIL at end of the day is considered for computation of index
- The annualized rate is converted to the daily rate for index calculation, by dividing the annual rate by 365 days
- The interest based on daily rate is added to the index value of the previous day
- TREPS with T+0 settlement is considered
- If next day is a working day then rate with 1 day maturity is considered
- If next day is holiday or Saturday, rate of "n" days maturity is considered, where "n" is number of days until next working day. For example on Friday, rate for 3 days maturity would be considered for computation of index on (Friday, Saturday and Sunday)
- The index is computed daily at end of the day
- The base date for index is January 03, 2011 and base value is 1000

## Index Calculation

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$$\text{Index Value}_T = \left\{ \text{Index value}_{T-1} * \left( 1 + \frac{\text{Rate}_T}{36500} * \text{Number of days} \right) \right\}$$

Where:

*T = current working day and T-1 is previous working day*

*Rate = TREPS Rate*

## Index Governance:

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### Index Policy

The indices use transparent, researched and publicly documented rules for its maintenance. These rules are applied regularly to manage changes to the indices. Index reviews are carried out periodically to ensure that each security in the index fulfils eligibility criteria.

### Announcements:

All index-related announcements are posted on the websites of NSE Indices Limited and NSE. Changes impacting the constituent list are also posted on the Web site. Please refer to the [www.niftyindices.com](http://www.niftyindices.com) and [www.nseindia.com](http://www.nseindia.com).

### Holiday Schedule:

For the calculation of indices, the NSE Indices Limited follows the official holiday schedule. A complete holiday schedule for the year is available on the NSE Indices Limited and NSE website. Please refer to the [www.niftyindices.com](http://www.niftyindices.com) and [www.nseindia.com](http://www.nseindia.com).

### Data Source

Prices of index constituents are sourced from the Clearing Corporation of India Ltd. (CCIL).

### Index Precision

The level of precision for index calculation is as follows:

- Index values are disseminated up to two decimal places

### Index Recalculations

All NIFTY family of indices are recalculated whenever errors occur. Users of the NIFTY indices are notified through appropriate channel of communication.

### Market Feedback & Index Methodology Review

NSE Indices Limited is committed to ensure that all NIFTY indices are relevant for the market participants. In order to ensure this, NSE Indices Limited on an on-going basis interacts with the stakeholders inviting the feedback through various channels of communication. The feedback received from the market participants forms a key input for all index related aspects.

Review of methodology of NIFTY indices is carried out on an annual basis. Additionally, NSE Indices Limited also considers any feedback that it may receive with regards to index methodology as part of on-going market interactions. Any changes to the index methodology is approved by the Committee and the same is announced through a press release.

## **Other**

In case of a market stress or disruption, NSE Indices Limited will review and deal with the situation on consultative basis with the respective source of price data for computation of these indices.

All indices are expected to reflect the performance of a basket of stocks selected based on the defined guidelines and theme. Every index user is advised to evaluate the benefits of index and take an informed decision before using the index for self or creation of index-linked products. NSE Indices Limited does not accept any liability for any losses, claims, expenses etc. that may be incurred by any person as a result of usage of NIFTY family of indices as a result of reliance of the ground rules, any errors or inaccuracies.

## About Us

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### **About National Stock Exchange of India Limited (NSE):**

The National Stock Exchange of India Ltd. (NSE) is the leading stock exchange in India and the third largest in the world by nos. of trades in equity shares in 2017, according to World Federation of Exchanges (WFE) report. NSE was the first exchange in India to implement electronic or screen based trading. It began operations in 1994 and is ranked as the largest stock exchange in India in terms of total and average daily turnover for equity shares every year since 1995, based on SEBI data. NSE has a fully-integrated business model comprising exchange listings, trading services, clearing and settlement services, indices, market data feeds, technology solutions and financial education offerings. NSE also oversees compliance by trading and clearing members with the rules and regulations of the exchange. NSE is a pioneer in technology and ensures the reliability and performance of its systems through a culture of innovation and investment in technology. NSE believes that the scale and breadth of its products and services, sustained leadership positions across multiple asset classes in India and globally enable it to be highly reactive to market demands and changes and deliver innovation in both trading and non-trading businesses to provide high quality data and services to market participants and clients.

For more information, please visit: [www.nseindia.com](http://www.nseindia.com)

### **About NSE Indices Limited:**

(Formerly known as India Index Services & Products Limited-IISL)

NSE Indices Limited, a subsidiary of NSE, provides a variety of indices and index related services for the capital markets. The company focuses on the index as a core product. The company owns and manages a portfolio of indices under the NIFTY brand of NSE, including the flagship index, the NIFTY 50. NIFTY equity indices comprises broad-based benchmark indices, sectoral indices, strategy indices, thematic indices and customised indices. NSE Indices Limited also maintains fixed income indices based on Government of India securities, corporate bonds, money market instruments and hybrid indices. Many investment products based on NIFTY indices have been developed within India and abroad. These include index based derivatives traded on NSE, Singapore Exchange Ltd. (SGX) and Taiwan Futures Exchange (TAIFEX) and a number of index funds and exchange traded funds. The flagship 'NIFTY 50' index is widely tracked and traded as the benchmark for Indian Capital Markets.

For more information, please visit: [www.niftyindices.com](http://www.niftyindices.com)

### Contact Us

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