

National Stock Exchange of India Limited

Circular

Department: Capital Market Segment	
Download Ref No: NSE/CMTR/60945	Date: March 01, 2024
Circular Ref. No: 32/2024	

All Participants,

Implementation of TLS 1.2 (only with strong ciphers) and TLS 1.3

TLS (Transport Layer Security) is the protocol which secures HTTPS. TLS provides secure communication between web browsers and servers.

To enhance the security of data and communications, it has been decided to permit TLS 1.2 (only with strong ciphers) and TLS 1.3 protocols.

With this background and considering the implications, all members are requested to implement the following:

1. Upgrade the browsers to the latest versions.
 - a. Google's Chrome - <https://www.google.com/chrome/>
 - b. Mozilla's Firefox - <https://www.mozilla.org/en-US/firefox/new/>
 - c. Microsoft's Edge – <https://www.microsoft.com/en-in/edge/download?form=MA13FJ>
2. For members connecting to the application using any other variant of clients (like for making API call), members are requested to check and make necessary changes at their end so that client supports connections over TLS 1.2 (only with strong cipher) and/or TLS 1.3.

All market participants are requested to note that the eOFS platform (live system) (Live URL: <https://eofs.nseindia.com/>) would only support communication over TLS 1.2 (only with strong cipher) and/or TLS 1.3.

In order to enable members to test compatibility of systems/applications to support TLS 1.3, members may access the UAT system (UAT URL: <https://www.eofsuat.com>).

Members may kindly note that TLS 1.2 protocol may be discontinued in future and the effective date for the same shall be communicated subsequently.

Disclaimer:

1. The information contained in this notice has been extracted from the following reference links:
 - a. <https://security.googleblog.com/2018/10/modernizing-transport-security.html>
 - b. <https://www.ssl.com/article/tls-1-3-is-here-to-stay/>
 - c. <https://blog.mozilla.org/security/2018/10/15/removing-old-versions-of-tls/>
 - d. <https://kinsta.com/blog/tls-1-3/>
2. Members shall act upon this notice at their own discretion after conducting appropriate impact/risk analysis to their specific environment. Please test all the settings in a test environment before being deployed on production.

**For and on behalf of
National Stock Exchange of India Limited**

**Anjali Kunde
Chief Manager**

Toll Free No	Email id
1800-266-00-50 (Option 1)	msm@nse.co.in