

National Stock Exchange Of India Limited**Department : DEBT SEGMENT**

Download Ref No : NSE/DS/40594

Date : March 29, 2019

Circular Ref. No : 04/2019

All Members,

Enhancement in Two Factor Authentication on Debt segment

This is further to our Circular no. 015/2016 (Download Ref. no NSE/DS/32497) dated June 02, 2016 regarding Two factor Authentication (2FA) for user login on Debt Segment.

Members are requested to note that in order to enhance the security measures, the 2FA authentication mechanism has been revised as per Annexure-1.

The above changes shall be implemented w.e.f. **March 29, 2019 at EOD.**

For and on behalf of
National Stock Exchange of India Ltd

Abhijeet Sontakke
Chief Manager

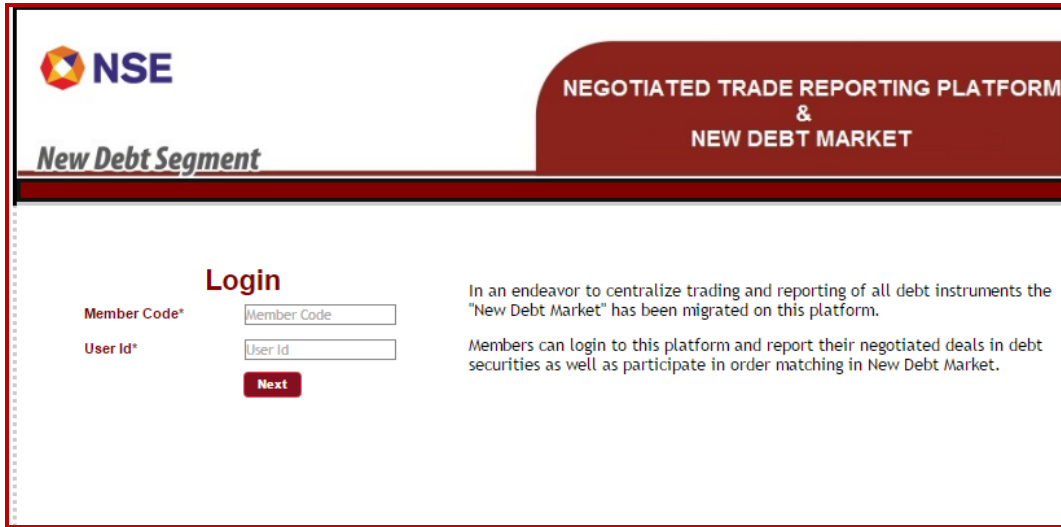
Technical Helpdesk	Fax No	Email id
1800 266 0053	022-26598155	msm@nse.co.in

Annexure - 1**Features of Two Factor Authentication**

- On first time login users shall get an alert message “save security settings for two factor authentication.”
- During login users shall be prompted to enter email address and mobile number.
- Either email address or mobile number shall be mandatory. User may choose to enter both the details.
- These details shall be used to send OTP to the users that shall be sent at the time of subsequent login.
- In case the member admin is not able to login into the application an option to reset password is available on login page. OTP shall be sent on the registered email address and/or mobile number for resetting password.
- OTP shall be required for allowing a user to login, along with a unique and authorized User ID and Password combination. The OTP shall be allowed to be input by a user, only after successful validation of the user ID/password combination.
- OTP is defined as a 4 digit number which is a randomly generated sequence of digits
- OTP shall be sent to a user, on either the mobile number or email address or both as registered.
- In case OTP is not entered within 15 minutes the same will expire and cannot be used again.
- In case the user enters wrong password and/or OTP the following pop up message shall be displayed “Invalid login id/password.
- User shall be allowed to submit a valid password / OTP for a maximum of 5 attempts – beyond which the user id shall get suspended and will have to request the member’s Admin to re-activate the user.

User Manual for OTP mechanism**A- 1st time login after implementation of OTP mechanism:**

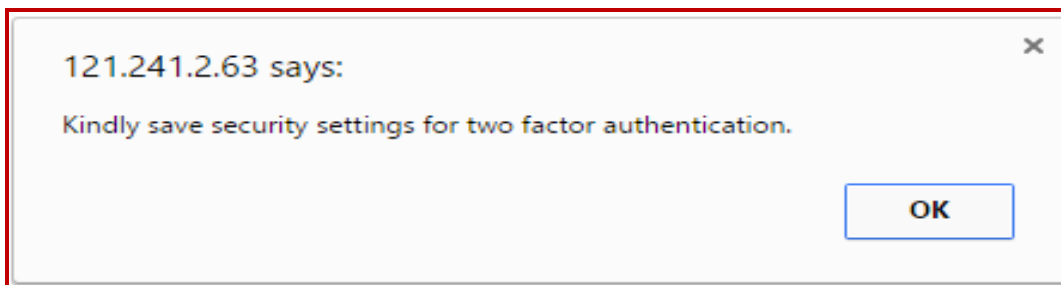
- 1) Enter Member code and User ID. Click on Next button



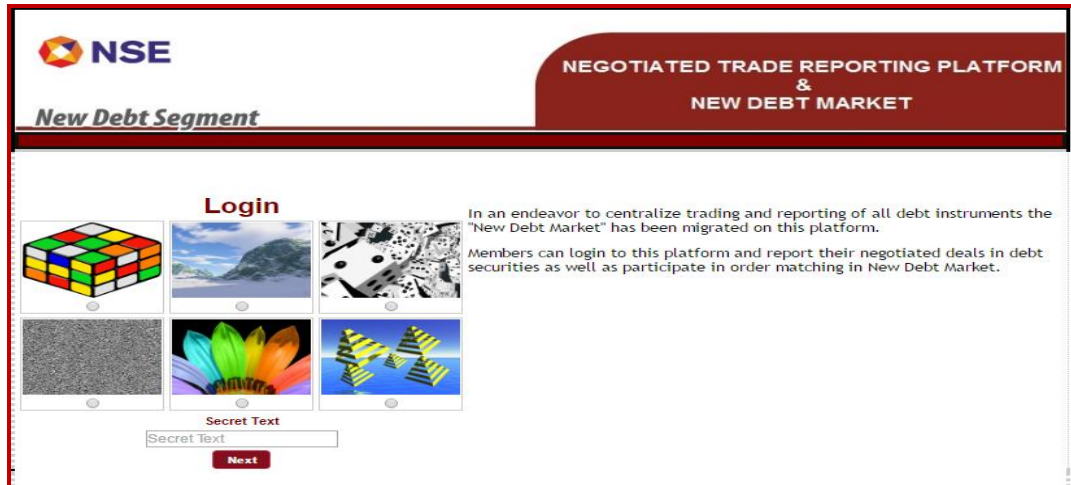
- 2) Enter password and click on Login button.



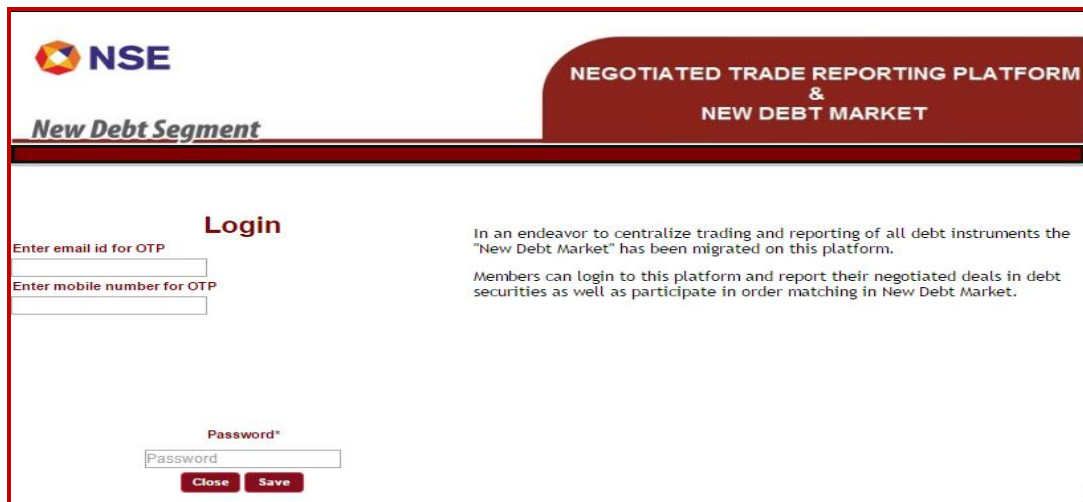
- 3) Will received Alert message to save 2FA setting, click on OK button.



- 4) Select secret image and text and click on Next button.



- 5) Enter email id, mobile number and re-enter password. Click on Save button.



- 6) The user shall receive an OTP on registered email id and/or mobile number. Kindly enter the OTP and click on Save button.

