

NATIONAL STOCK EXCHANGE OF INDIA LIMITED**DEPARTMENT : PRIMARY MARKET**

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All Members,

Two Factor Authentication-EIPO

In order to enhance the security measures, the Exchange shall be implementing Two Factor Authentication (2FA) for user of EIPO Web based application.

The Two Factor Authentication shall be implemented w.e.f June 20, 2016 for EIPO web based application.

2FA setting for users of EIPO web based platform shall be optional till June 24, 2016. During the optional period, users can choose to skip 2FA settings by clicking on 'Skip to Application' tab.

2FA settings shall be mandatory w.e.f June 27, 2016.

The salient features of 2FA is provided as Annexure-1 and the procedure for setting 2FA and log in with 2FA setting is provided as Annexure-2 respectively.

In case of queries kindly call on 1800 266 0053

For and on behalf of

National Stock Exchange of India Ltd**Abhijeet Sontakke****Senior Manager**

Toll Free No	Fax No	Email id
1800 26600 53	022-26598447	msm@nse.co.in

Annexure 1

Features of Two Factor Authentication

Setting up Two Factor authentication:

- 2FA shall be applicable for all types of users.
- The user shall have option to:
 - Provide text (max 50 characters) & click 'Next'
 - OR
 - select an image from a set of pre-configured images & click 'Next'
 - OR
 - Both, provide text as well as select an image & click 'Next'
 - OR
 - Choose to skip both by clicking 'Next'
- On clicking 'Next', 10 questions shall be displayed
- The user shall be required to set answer for any 5 questions (case sensitive) mandatorily
- On clicking 'Save' 2FA shall be set

Two factor authentication during Login:

- On successful authentication of user id, if the user had set text and/or image the same shall be displayed to the user for authentication.
- User needs to click the "Ok" button in case the text and/or the image set by him are displayed correctly.
- The user shall be asked to answer 1 question out of the 5 questions for which the answers were set by him in addition to the password. The answers provided by the user shall be **case sensitive**.
- User shall get logged in successfully only on providing the correct answer.
- In case the answer provided is wrong then the user will be taken back to the log in screen.
- 3 successive incorrect answers will lead to suspension/locking of the user.

In case user is locked due to 2FA:

- User shall be given 3 attempts for 2FA
- User shall be locked in case he fails to provide correct answer in 3 successive attempts.
- User shall contact Member's Admin User to enable the user and clear the 2FA settings.
- On enablement by member's admin user, the user shall be required to mandatorily set 2FA during next login
- Members can request the Exchange to enable and clear the 2FA settings for the Admin User ID, if it is locked due to 2FA.

Reset 2FA settings:

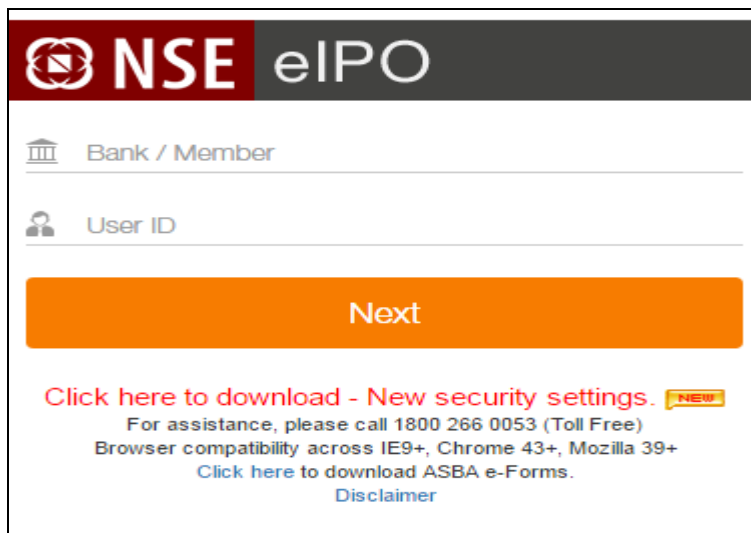
- Users can reset the answers to the question by going to "Security Settings" tab after login
- User can also change or set text/image by going to "Security Settings" after login

Annexure 2

Login procedure & 2FA setting procedure

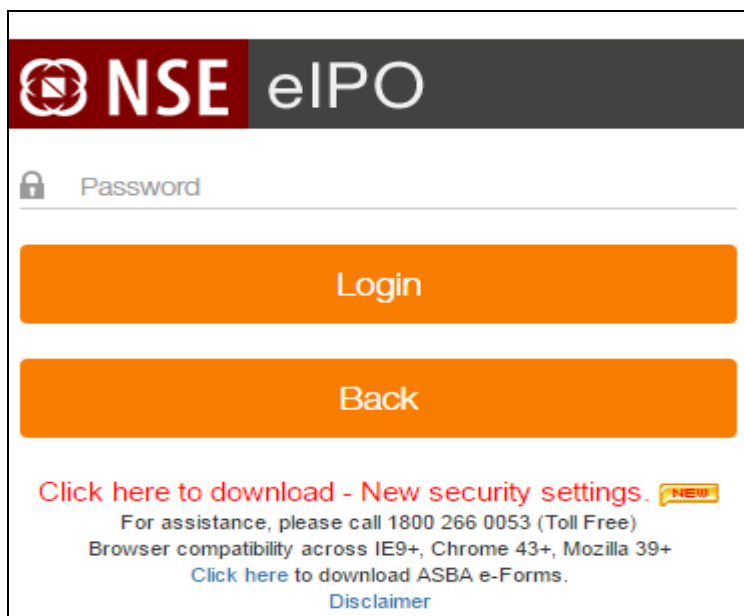
1. Steps for setting 2FA for user

- Enter Member ID / Bank Code & User ID



The screenshot shows the NSE eIPO login interface. At the top is the NSE eIPO logo. Below it are two input fields: 'Bank / Member' with a building icon and 'User ID' with a person icon. An orange 'Next' button is positioned below these fields. At the bottom, there is a red link 'Click here to download - New security settings.' with a 'NEW' badge, followed by text about assistance (1800 266 0053), browser compatibility (IE9+, Chrome 43+, Mozilla 39+), a link to download ASBA e-Forms, and a 'Disclaimer' link.

- Enter the password



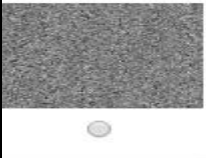
The screenshot shows the NSE eIPO login interface for the second step. It features the NSE eIPO logo at the top. Below it is a 'Password' input field with a lock icon. There are two orange buttons: 'Login' and 'Back'. At the bottom, there is a red link 'Click here to download - New security settings.' with a 'NEW' badge, followed by text about assistance (1800 266 0053), browser compatibility (IE9+, Chrome 43+, Mozilla 39+), a link to download ASBA e-Forms, and a 'Disclaimer' link.

As a part of user's 2FA setting, the user shall have an option to provide text (max 50 characters) and select an image from a set of pre-configured 6 images. Selection of image & entry of text is optional. During the optional period, the user can click on **Skip Application** to set the 2FA settings later on.











Next

Skip to application

Answer any 5 question out of 10 questions. The answers provided by user shall be case sensitive.



What is your pets name?

What is your father's middle name?

What is your favourite food?

What is your last school name?

Who is your favourite actor or actress?

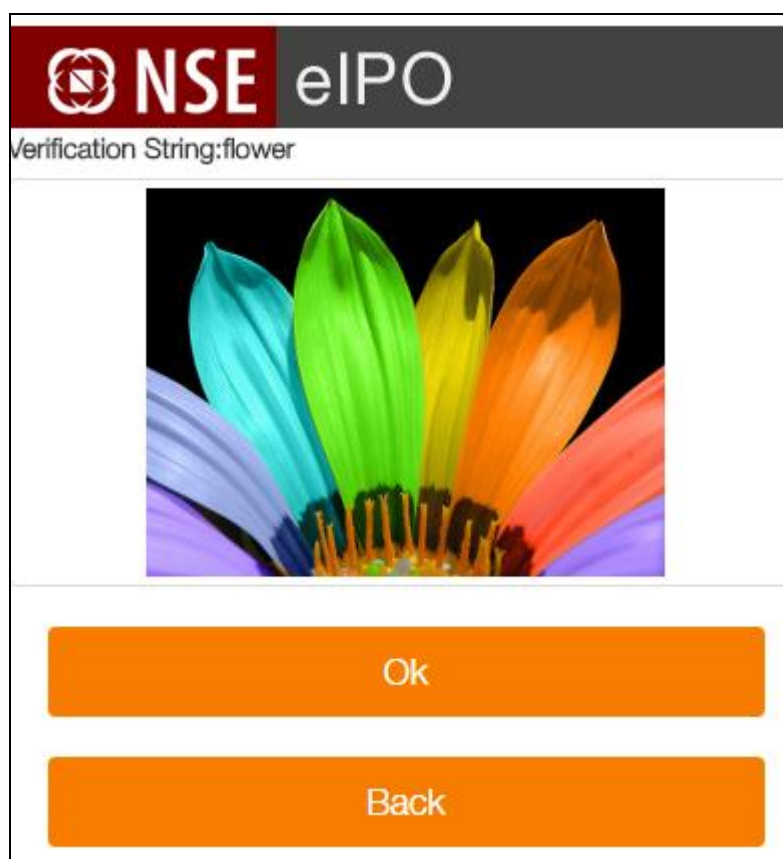
Back

Save

Skip to application

2. Subsequent Log-in

Authenticate the image and text (if selected) at subsequent Login & click on OK

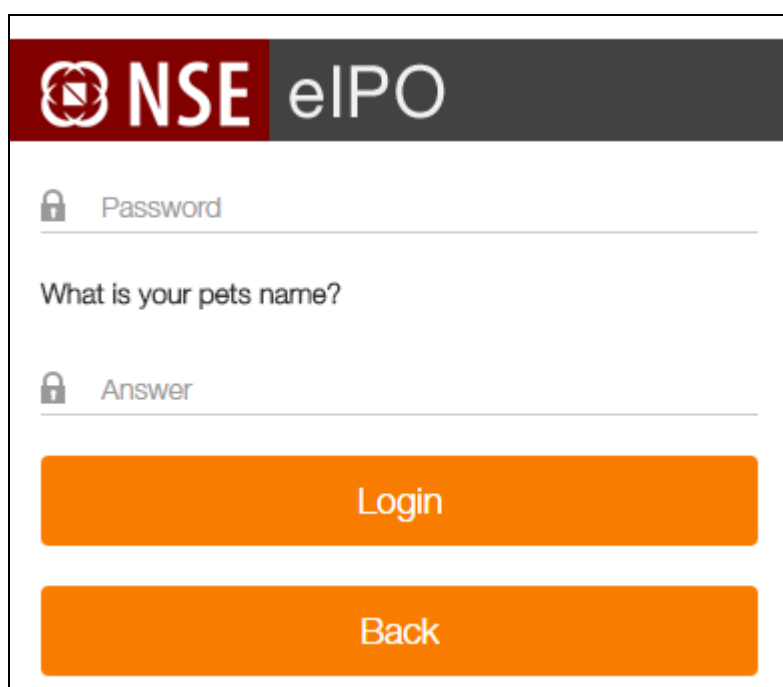


The image shows a verification screen for NSE eIPO. At the top, there is a header with the NSE logo and 'eIPO' text. Below the header, it says 'Verification String: flower'. In the center, there is a square image of a flower with colorful petals (blue, green, yellow, orange, and red). At the bottom, there are two orange buttons: 'Ok' and 'Back'.

Enter password and answer the randomly showed 1 question at subsequent login.

In case answers do not match it shall be treated as Login failure.

3 successive failed login attempts due to incorrect password or incorrect 2FA answers will lead to suspension/locking of the user.

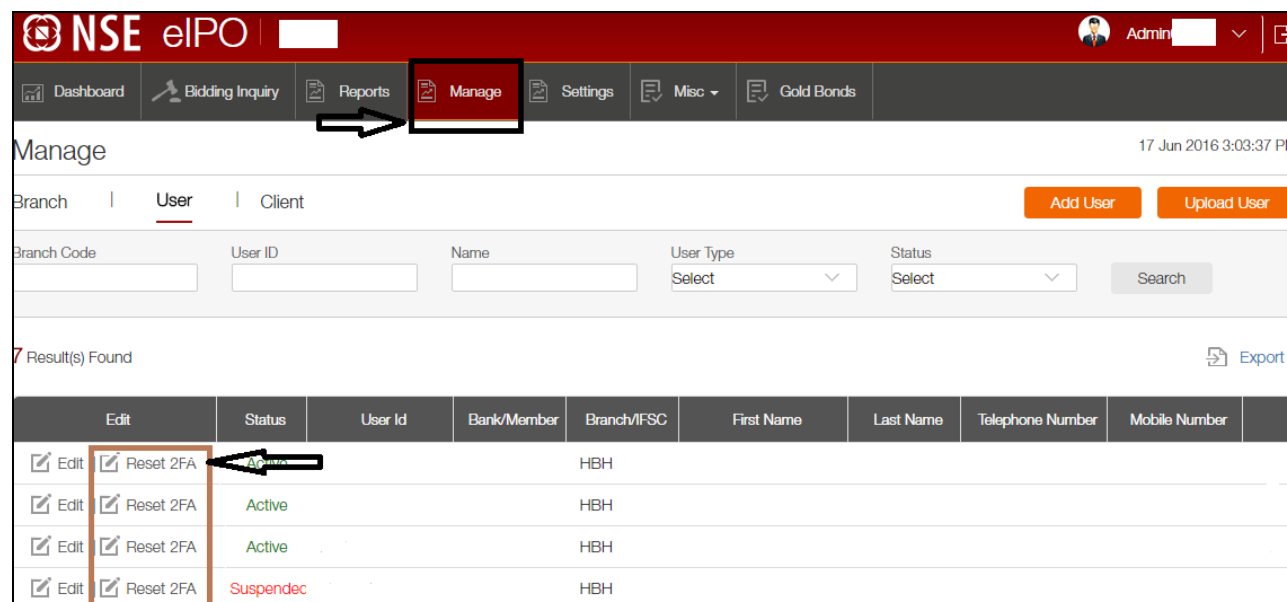


The image shows a login screen for NSE eIPO. At the top, there is a header with the NSE logo and 'eIPO' text. Below the header, there is a form with two input fields. The first field is labeled 'Password' with a lock icon. The second field is labeled 'Answer' with a lock icon and the text 'What is your pets name?'. At the bottom, there are two orange buttons: 'Login' and 'Back'.

3. In case User is locked due to 2FA

User will be locked from login in case he fails to provide correct answer for 3 successive attempts. Member's Admin User can enable the blocked user and clear his 2FA settings from the option 'Reset 2FA' available in 'Manage' tab under 'User'.

To clear the user 2FA settings select the user and click on 'Reset 2FA'

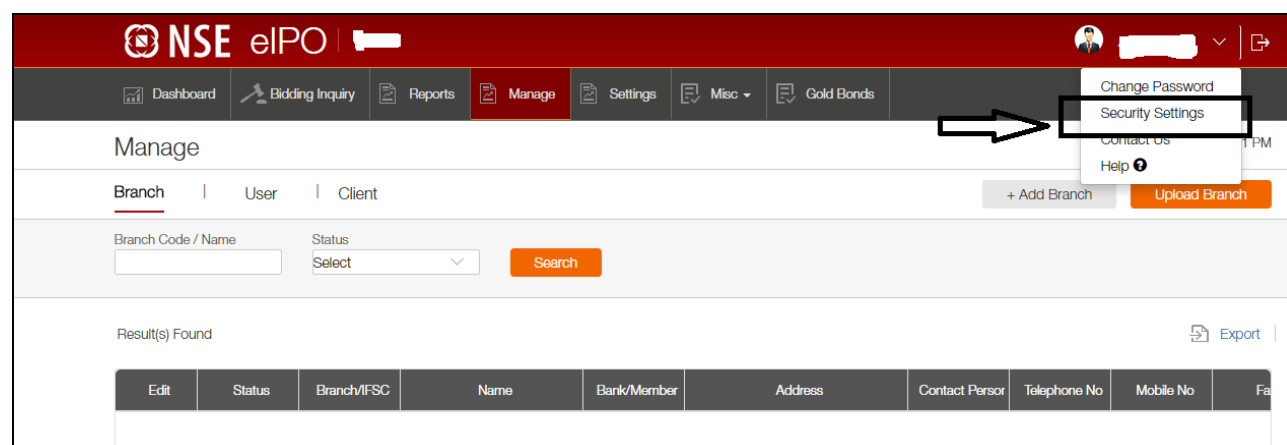


The screenshot shows the NSE eIPO Manage User interface. The 'Manage' tab is selected in the top navigation bar. Below it, the 'User' sub-tab is active. A table lists 7 results found. The first row is highlighted, and the 'Reset 2FA' link is clicked, opening a confirmation dialog.

Edit	Status	User Id	Bank/Member	Branch/IFSC	First Name	Last Name	Telephone Number	Mobile Number
☒ Edit	Reset 2FA			HBH				
☒ Edit	Reset 2FA			HBH				
☒ Edit	Reset 2FA			HBH				
☒ Edit	Reset 2FA			HBH				

4. Reset of 2FA settings

All Users can reset the answers of the question or image/text set earlier for 2FA setting from the 'Security Settings' tab.



The screenshot shows the NSE eIPO Manage User interface. The 'Manage' tab is selected in the top navigation bar. Below it, the 'User' sub-tab is active. A table lists 7 results found. The first row is highlighted, and the 'Reset 2FA' link is clicked, opening a confirmation dialog.

Edit	Status	Branch/IFSC	Name	Bank/Member	Address	Contact Person	Telephone No	Mobile No	Fa