

NATIONAL STOCK EXCHANGE OF INDIA LIMITED**DEPARTMENT : DEBT SEGMENT**

Download Ref No : NSE/DS/32652

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All Participants,

Two Factor Authentication-CBRICS

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

The Two Factor Authentication shall be implemented w.e.f June 28, 2016 for CBRICS web based application.

2FA setting for users of CBRICS web based platform shall be optional till July 05, 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 July 07, 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**

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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 Participant's/Custodian Admin User to enable the user and clear the 2FA settings.
- On enablement by participant's/custodian admin user, the user shall be required to mandatorily set 2FA during next login
- Participant/Custodian 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:

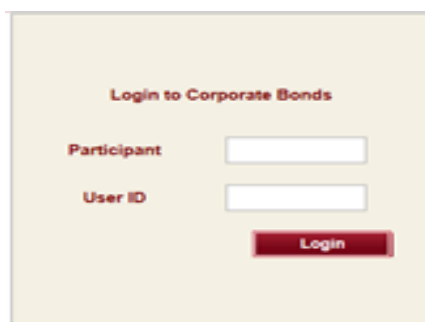
- Users can reset the answers to the question by going to "2FA Settings" tab after login
- User can also change or set text/image by going to "2FA Settings" after login

Annexure 2

Login procedure & 2FA setting procedure

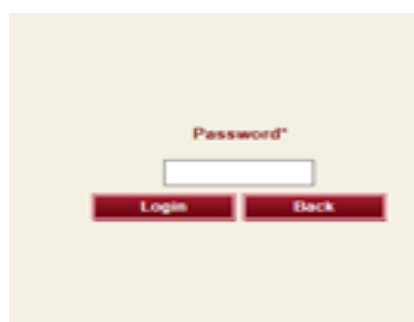
1. Steps for setting 2FA for user

- Enter Member ID / Bank Code & User ID



A login form titled "Login to Corporate Bonds". It contains two input fields: "Participant" and "User ID". Below the "User ID" field is a red "Login" button.

- Enter the password



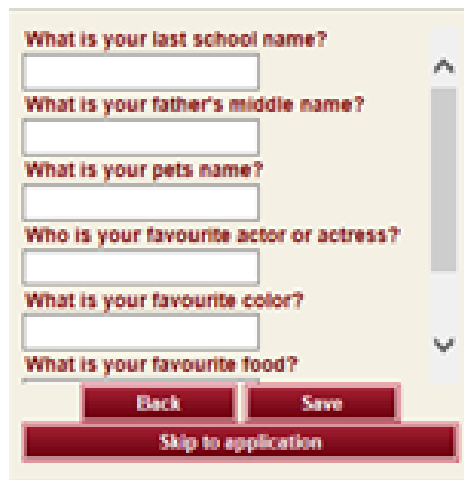
A password entry form titled "Password*". It contains a single input field for the password. Below the input field are two red buttons: "Login" and "Back".

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.



A screen for 2FA selection. It displays a 2x3 grid of six images: a Rubik's cube, a landscape, a panda, a textured square, a colorful abstract shape, and a yellow abstract shape. Below the grid is a "Secret Text" input field. At the bottom are two red buttons: "Next" and "Skip to application".

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



What is your last school name?

What is your father's middle name?

What is your pets name?

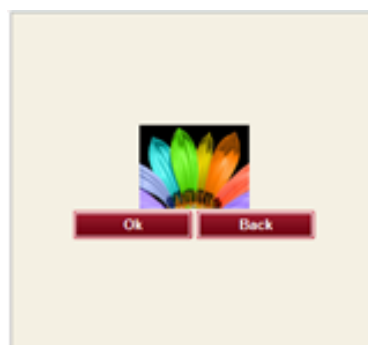
Who is your favourite actor or actress?

What is your favourite color?

What is your favourite food?

2. Subsequent Log-in

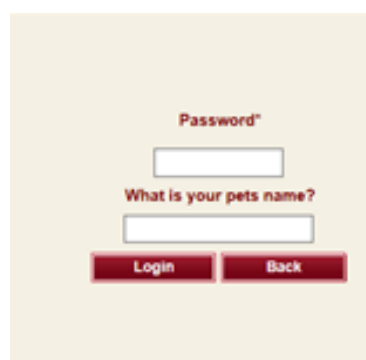
Authenticate the image and text (if selected) at subsequent Login & click on OK



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.



Password*

What is your pets name?

3. In case User is locked due to 2FA

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

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

The screenshot shows the NSE Corporate Bonds Participant Search interface. The 'Reset 2FA' button is circled in red. The interface includes a search bar with fields for User ID, Participant/Custodian, Name, and Status. Below the search bar is a table listing participants with columns for User ID, Status, User Type, Name, Mobile Number, Telephone Number, Email ID, Fax Number, Contact Person, Contact Name, Contact Details, and Custodian ID. The table contains several entries, including SBI, SBI INDORE, SBI Mutual Fund, SBI Funds Management Pvt. Ltd., SBI Pension Funds (P) Ltd., and SBI General Insurance Co. Ltd.

User ID	Status	User Type	Name	Mobile Number	Telephone Number	Email ID	Fax Number	Contact Person	Contact Name	Contact Details	Custodian ID
SBI	Active	Participant	STATE BANK OF INDIA	9900485428	22741432	udayraj.dhonde@sbi		UDAYRAJ DHONDE	Mr. Dhondhe-22665800,227-BNK JAMTASH-	SECURITIES SERVICE BRANCH	SBSB-SBPL
SBIINDORE	Suspended	Participant	STATE BANK OF INDORE	9620433570	02225445734	joshiy@sbindore.c		A.Y.Joshi	BNK	BNK	SBI LHO Building, 6th Floor, G Block, Plot No. C-5, (Bandra Kurla Complex, Bandra(E), Mumbai)
SBIvishal	Active	Dealer	vishal kulkarni	9900205608	22845803	vishal.kulkarni@sbi.c.22815246					
SBIASHUTOSH	Active	Dealer	ASHUTOSH JHA	9900205603	22845803	ashutosh.jha@sbi.c.22815246					
SBI LIFE	Active	Participant	SBI LIFE INSURANCE CO. LTD.	9633065030	02266362162	s.kamath@sbilife.co	02266362099	Kiran Shah	INS	INS	HDFC
SBI MF	Suspended	Participant	SBI MUTUAL FUND	9670165529	61793176	SANGITA.DHAMEJA		SANGITA DHAMEJA	MF	MF	HDFC
SBI FM	Active	Participant	SBI FUNDS MANAGEMENT PVT. LTD.	9909030887	02222186094	TONY LOBO@SBI		TONY LOBO	UNKNOWN	PMIS	HDFC
SBI PF	Active	Participant	SBI PENSION FUNDS (P) LTD.	9619925108	22022812	amit.vijay@sbi.co.in		AMIT VIJAY	PF	PF	HDFC
SBI GIC	Active	Participant	SBI GENERAL INSURANCE CO. LTD.	8879634584	02242412278	IFURANDAR.KARV	02242412279	AMOL BLADI	INS	INS	HDFC

Custodian's Admin User can enable the blocked user and clear his 2FA settings from the option 'Reset 2FA' available in 'Search User' tab

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

The screenshot shows the NSE Clearing & Settlement Search User interface. The 'Reset 2FA' button is circled in red. The interface includes a search bar with fields for User ID, Participant/Custodian, Name, and Status. Below the search bar is a table listing users with columns for User ID, Status, User Type, Name, Mobile Number, Telephone Number, Email ID, Fax Number, Contact Person, Contact Name, Contact Details, and Custodian ID. The table is currently empty.

4. Reset of 2FA settings

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

NSE User Participant Corporate Bonds													
Instrument Watch	Instrument Traded Today	Report CB	Accept My Trade	My Trades Today	Instrument Search	Participants Search	Clear & Settle	Calculator	Charting	Buyer's Standing Instruction	Bills		
ISIN	Issuer	Description	Rating	Issue Date	Maturity Date	Coupon	Trade Price	Trade Value(Crs)	Total Trade Value(Crs)	Total Number of Trades	Weighted Average Yield	Sec Type	
INE242A14295	INDIAN OIL CORPORATION LIMITED	INDIAN OIL CORPORATION LIMITED 7.30 CP 23JUL11	NA	11-04-2011	23-06-2011	0.0000	0.0000	0.00	0.00	0	0.0000	CP	
INE055D08332	TATA SONS LIMITED	TATA SONS LIMITED 9.75 NCD 21AP16 PVR510LAC	NA	21-04-2011	21-04-2016	9.7500	0.0000	0.00	0.00	0	0.0000	CC	
INE090A15ME8	ICICI BANK LIMITED	ICICI BANK LIMITED CD 06JUL11	NA	07-04-2011	06-07-2011	0.0000	0.0000	0.00	0.00	0	0.0000	CD	
INE433A15AN0	CENTRAL BANK OF INDIA	CENTRAL BANK OF INDIA CD 27JUL11	NA	29-03-2011	27-06-2011	0.0000	0.0000	0.00	0.00	0	0.0000	CD	
INE091A08165	TATA STEEL LIMITED	TATA STEEL LIMITED 11.8 NCD PERPETUAL PVR510LAC	NA	18-03-2011	31-12-2099	11.8000	0.0000	0.00	0.00	0	0.0000	CC	
INE001A075J5	HOUSING DEVELOPMENT FINANCE CORPORATION LTD SR-222 (H-026)	HOUSING DEVELOPMENT FINANCE CORPORATION LTD SR-222 (H-026) 9.9 NCD 11MR14 PVR510LAC	NA	11-03-2011	11-03-2014	9.9000	0.0000	0.00	0.00	0	0.0000	CC	
INE475A15BR4	CANARA BANK	CANARA BANK CD 04JUL11	NA	02-02-2011	04-07-2011	0.0000	0.0000	0.00	0.00	0	0.0000	CD	
INE645A15BM9	STATE BANK OF BIKANER AND JAIPUR	STATE BANK OF BIKANER AND JAIPUR CD 28JUL11	NA	31-12-2010	28-06-2011	0.0000	0.0000	0.00	0.00	0	0.0000	CD	
Add Bonds Remove Bonds													
June 22 2016 03:03:17										Alerts	News	IM	Ticker
OFF													