

NSE Clearing Limited

Circular

| DEPARTMENT: CAPITAL MARKET SEGMENT | |
|--|---------------------------------|
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All Members/Custodians/PCM

Sub: Migration of services from CIM to NMASS

The following functionality in CIM shall be discontinued and members/custodians can now access this facility on NMASS.

1. Securities Early Pay-in
2. Funds EPI
 - a. Funds Early Pay-in request
 - b. Funds Early Pay-in allocation
3. Full Payin
4. OFS
 - a. Funds Early Pay-in
 - b. Funds Utilization
 - c. Funds Early Pay-in TM Limit
 - d. Collateral TM Limit

There is no change in the process for the above functionalities and menus are as it is being provided in NMASS.

The rights to provide the above roles will be available with the Super Admin user in NMASS. The existing Clearing Management-OFS service will be shifted under new OFS service. Existing role menu mapping of Clearing Management OFS will be intact, and the same group of users will be able to access the new 'OFS' service.

Super admin needs to create or modify roles for assignment of above new services under OFS and EPI in NMASS. The detailed user manual for the above functionalities in NMASS is provided in Annexure.

NSE Clearing Limited

Clearing Member-Super admin users can create or modify roles from September 06, 2024. The above services shall be discontinued in CIM and made available in NMASS effective from September 09,2024.

**For and on behalf of
NSE Clearing Limited**

Huzefa Mahuvawala
Chief Risk Officer

| Telephone No | Email id |
|------------------------------|--|
| 1800 266 0050 (IVR option 2) | collaterals_ops@nscl.co.in |

EPI AND OFS

USER MANUAL

VERSION: 1.0



**NSE CLEARING LTD
EXCHANGE PLAZA,
C-1, BLOCK G,
BANDRA KURLA COMPLEX
BANDRA (E)
MUMBAI 400 051**

RELEASE NOTICE

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| 1 | 1.0 | NCL | User Manual for EPI and OFS module migration from CIM to N-MASS | |

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1. Introduction

1.1 Purpose

This document explains the functionality available in the system and serves as guideline to users for using the application.

1.2 Scope

The scope of this manual includes the EPI and OFS module in N-MASS.

1.3 Audience

This manual is for use by people who will use the system for carrying out the daily operations.

1.4 Conventions

Not Applicable.

1.5 Abbreviations and acronyms

TABLE 1.0 – ABBREVIATIONS AND ACRONYMS

| Acronym & Abbreviations | Full Form |
|------------------------------------|---------------------------------------|
| NSEIL | National Stock Exchange India Limited |
| NCL | NSE Clearing Limited |
| EPI | Early-Pay in |
| OFS | Offer for Sell |
| CM | Capital Market |
| SLB | Securities Lending and Borrowing |
| TM | Trading Member |
| CP | Custodial Participant |

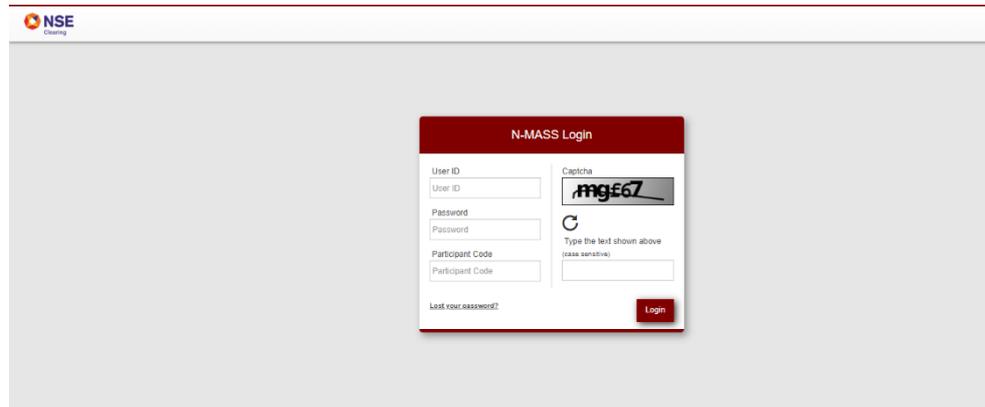
1.6 Definition

| Defined Term | Explanation |
|---------------------|--|
| Early-Pay-in | Funds or securities that is given by the member to the exchange before pay-in date |

2. N-MASS page navigation

2.1 Login Page

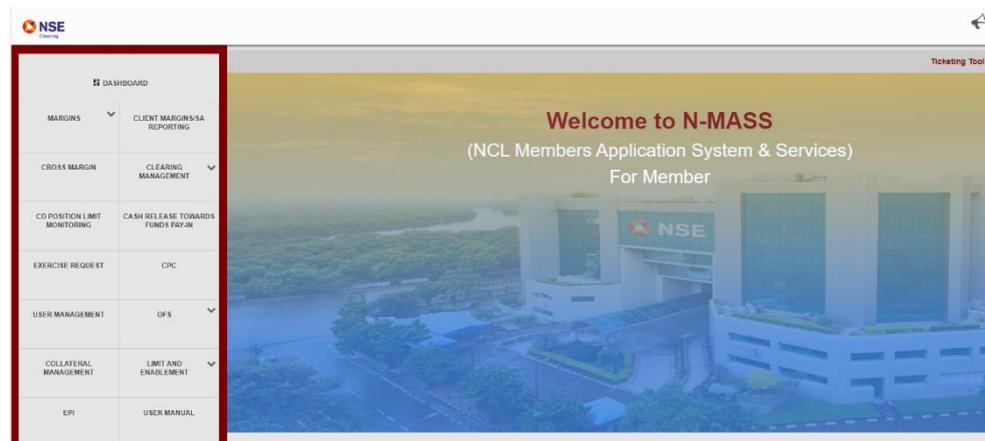
- Members have to login in N-MASS Member Environment by providing valid credentials on below URL: <https://www.connect2nsccl.com/login>.
- N-MASS displays the Login screen as shown below



- Enter Username, Password, Participant Code and Captcha in the relevant fields
- Click on login button
- After 3 unsuccessful attempts, user will get disabled.

2.2 Landing Page

- This will be the default page on successful login.



2.3 EPI Page

- Click on 'EPI' menu



2.4 OFS Page

- Click on 'OFS' menu



3. Role and Access Management

3.1 Role Management for OFS Service

- New service ‘OFS’ has been introduced.
- Existing ‘Clearing Management - Ofs’ will be shifted under ‘OFS’ service.
- Existing role menu mapping of Clearing Management Ofs will be intact, and the same group of users will be able to access the new ‘OFS’ service.
- For new users, super admin needs to create or modify roles for assignment of Ofs service.
- User can provide the read/ write menu level access for Ofs service.
- Eligible members in Ofs will be able to access the Ofs service.

| | | | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | OFS | |
| <input type="checkbox"/> | <input type="checkbox"/> | CLEARING MANAGEMENT | |
| | <input type="checkbox"/> | Bid Confirmation | <input checked="" type="radio"/> Read <input type="radio"/> Write |
| | <input type="checkbox"/> | Bid Inquiry | <input checked="" type="radio"/> Read |
| | <input type="checkbox"/> | Export All | <input checked="" type="radio"/> Read |
| <input type="checkbox"/> | <input type="checkbox"/> | OFS FUNDS PAY-IN | |
| | <input type="checkbox"/> | Funds Utilization Report | <input checked="" type="radio"/> Read <input type="radio"/> Write |
| <input type="checkbox"/> | <input type="checkbox"/> | OFS Funds | |
| | <input type="checkbox"/> | Funds Request | <input checked="" type="radio"/> Read <input type="radio"/> Write |
| | <input type="checkbox"/> | FUNDS EPI TM LIMIT | <input checked="" type="radio"/> Read <input type="radio"/> Write |
| | <input type="checkbox"/> | COLLATERAL TM LIMIT | <input checked="" type="radio"/> Read <input type="radio"/> Write |

3.2 Role Management for EPI Service

- New service ‘EPI’ has been introduced.
- To assign EPI service super admin needs to create or modify the roles.
- User can provide the read/ write menu level access for EPI service.
- Eligible members in FO/CM/SLB will be able to access this service.

| | | | |
|--------------------------|-------------------------------------|----------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | EPI | |
| | <input checked="" type="checkbox"/> | EPI Securities | <input type="radio"/> Read <input checked="" type="radio"/> Write |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | EPI Funds | |
| | <input checked="" type="checkbox"/> | Funds Request | <input checked="" type="radio"/> Read <input type="radio"/> Write |
| | <input checked="" type="checkbox"/> | Allocation | <input checked="" type="radio"/> Read <input type="radio"/> Write |
| | <input type="checkbox"/> | Full Payin | <input checked="" type="radio"/> Read <input type="radio"/> Write |

3.3 Access management based on the Member Type

| Sr.No | Menu Name | Service and Menu | Mem Type |
|-------|--------------------------|------------------|---|
| | OFS | New Service | Existing Ofs role CM – SCM, CMTM and Custody |
| 1 | Clearing Management | Existing Menu | Existing Ofs role |
| 2 | OFS FUNDS PAY-IN | New Menu | CM – SCM, CMTM and Custody |
| 2.1 | Funds Utilization Report | New Menu | CM – SCM, CMTM and Custody |

| | | | |
|-------|---------------------|--------------------|---|
| 2.2 | OFS Funds | New Menu | CM – SCM, CMTM and Custody |
| 2.2.1 | Funds Request | New Menu | CM – SCM, CMTM and Custody |
| 2.2.2 | FUNDS EPI TM LIMIT | New Menu | CM – CMTM |
| 2.2.3 | COLLATERAL TM LIMIT | New Menu | CM – CMTM |
| | EPI | New Service | FO - SCM, PCM, CMTM CM - SCM, CMTM and Custody SLB - SCM and Custody |
| 1 | EPI Securities | New Menu | FO - SCM, PCM, CMTM CM - SCM, CMTM and Custody SLB - SCM and Custody |
| 2 | EPI Funds | New Menu | FO - SCM, PCM, CMTM CM - SCM, CMTM and Custody SLB - SCM and Custody |
| 2.1 | Funds Request | New Menu | FO - SCM, PCM, CMTM CM - SCM, CMTM and Custody |
| 2.2 | Allocation | New Menu | FO - SCM, PCM, CMTM CM - SCM, CMTM and Custody |
| 2.3 | Full Payin | New Menu | FO - SCM, PCM, CMTM CM - SCM, CMTM and Custody |

4. EPI Module

4.1 SECURITIES EPI:

Using this option, Member may upload a file for client level early pay-in of securities.

- EPI file upload process:
 - Log on to N-MASS.
 - Click the EPI->Securities EPI File Upload menu

Click the Browse button to browse for the desired file and after selection of the appropriate file Click on Upload to upload the file

- File nomenclature -
 - CM: CLNTEPI_YYYYMMDD.Tnn
 - DEBT: CLNTEPI_R_YYYYMMDD.Tnnn
 - SLB (First Leg): CLNTEPI_L_YYYYMMDD.Tnn
 - SLB (Reverse Leg): CLNTEPI_S_YYYYMMDD.Tnn
 Where,
 - YYYYMMDD = Current Business Date
 - nn = Batch No. (01 to 99)
 - nnn = Batch No. (001 to 999)
- Batch number shall be unique number. This batch no will be sequential (incremental) for the day. A separate sequence will be followed for respective file. However, there are no validation for the unique batch number.

4.2 FUNDS EPI:

Using this option, member can provide EPI of funds and allocate the EPI to a clients at security-symbol-settlement type and settlement number level.

- **FUND REQUEST:** Member shall use this interface to provide EPI of funds request for a specific settlement type and settlement number at member level.

The Funds EPI - Request screen shows the following columns:

- a. Settlement Type
- b. Settlement No.
- c. Clearing Bank
- d. EPI amount
- e. EPI amount in words

The screenshot shows a web form titled "Funds Request". It includes a "Segment" dropdown menu set to "C", a "Bank" dropdown menu set to "BANK LTD", a "Slip Type" dropdown menu set to "M", an "EPI Amount" input field containing "100000", and an "Amount in Words" input field containing "Rs. One Lakh Only". A "Submit" button is located on the right side of the form.

On clicking “Submit” button, the submitted record will display following details:

- a. Request Id
- b. Segment
- c. Bank
- d. Settlement Type
- e. Settlement No.
- f. EPI Amount
- g. EPI Amount in words
- h. Status
- i. Remarks

The screenshot shows a table titled "Funds Enquiry" with the following data:

| REQUEST ID | SEGMENT | BANK | SLIP TYPE | SLIP NO | EPI AMT | AMOUNT IN WORDS | STATUS | REMARKS |
|------------|---------|----------|-----------|---------|-----------|--|---------|---------|
| 1 | C | BANK LTD | M | 2024143 | 8,755.00 | Rs. Eight Thousand Seven Hundred Fifty Five Only | Pending | |
| 2 | C | BANK LTD | M | 2024143 | 3,647.00 | Rs. Three Thousand Six Hundred Forty Seven Only | Pending | |
| 3 | C | BANK LTD | M | 2024143 | 10,000.00 | Rs. Ten Thousand Only | Pending | |
| 4 | C | BANK LTD | M | 2024143 | 9,650.00 | Rs. Nine Thousand Six Hundred Fifty Only | Pending | |

- **ALLOCATION:** Member shall use this interface to allocate the Early Payin of Funds.
 - Log on to N-MASS.
 - Click the EPI->Funds EPI menu.
 - Click the Allocation tab.

Under Allocation tab, 3 tabs will be provided i.e. Add, Modify and File Upload

ALLOCATION - ADD: Member shall use this interface to allocate EPI of funds to a client at security-symbol-settlement type and settlement number level.

This screen shows the following columns:

- a. Settlement Type
- b. Settlement No.
- c. TM/CP Code
- d. Client Code
- e. Symbol
- f. Series
- d. Requested amount
- e. Amount in words

EPI
SECURITIES EPI FUNDS EPI

Add Modify Upload

ADD ALLOCATION

Note :
a) * mandatory fields
b) Click on Save after adding all records

Segment * C Stop Type * M Stop No * 2024142
TM/CP Code * 01234 Client Code * AAA Symbol TCS close Series EO
Requested Amount * 100000 Amount in Words Rs. One Lakh Only

Add Submit

On clicking “Add” button, the record will be displayed on screen. On clicking “Submit” button, the added records will actually be saved which will be available for further modification.

ALLOCATION – MODIFY: Member shall use this interface to modify/delete the EPI of funds allocated to a client at security-symbol-settlement type and settlement number level. Allocation done through file upload are also available for modification.

EPI
SECURITIES EPI FUNDS EPI

Add Modify Upload

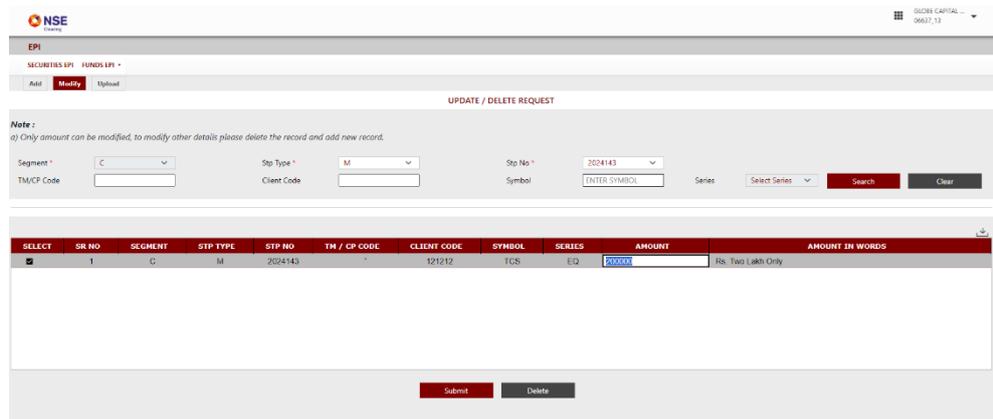
UPDATE / DELETE REQUEST

Note :
a) Only amount can be modified, to modify other details please delete the record and add new record.

Segment * C Stop Type * M Stop No * 2024142
TM/CP Code Client Code Symbol ENTER SYMBOL Series Select Series
Search Clear

Modify screen contains the following details.

- a. Settlement Type
- b. Settlement No.
- c. TM/CP Code
- d. Client Code
- e. Symbol
- f. Series
- f. Amount
- g. Amount in words



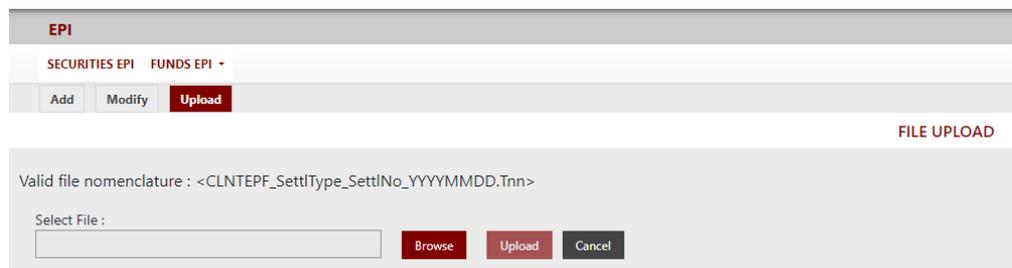
User will be able to modify as well as delete the records being displayed. On selecting the checkbox and clicking the “Edit” button, user can modify the Amount as shown in the screenshot.

On selecting the checkbox and clicking the “Delete” button, user can delete the selected records.

ALLOCATION – UPLOAD: Member: Member shall use this interface to upload the file to allocate EPI of funds to multiple clients at security-symbol-settlement type and settlement number level.

- Log on to N-MASS.
- Click the EPI->FUNDS EPI->ALLOCATION-> Upload

Click the Browse button to browse for the desired file and after selection of the appropriate file Click on Upload to upload the file



File nomenclature -

CLNTEPF_SettlType_SettlNo_YYYYMMDD.Tnn

Where,

YYYYMMDD = Current Business Date

nn = Batch No. (01 to 99)

Batch number shall be unique number. This batch no will be sequential (incremental) for the day. However, there are no validation for the unique batch number.

Return files will be shown on the same screen. The naming convention for return files will be:

<XXXXX>_CLNTEPF_N_XXXXXXXX_YYYYMMDD.Snn

In case the file is accepted (success) then the file extension 'Tnn' will get replaced with 'Snn' and the return file will be available under menu 'Funds EPI->File upload->Files successfully processed'. The return file will have S appended for successful records and R appended for rejected records.

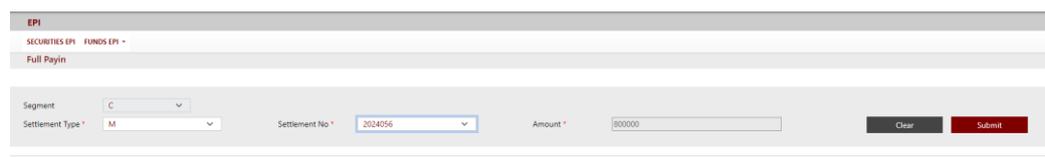
In case the file uploaded by the member gets rejected, then the file extension 'Tnn' will get replaced with 'Rnn' and the return file will be available under menu 'Funds EPI->File upload->Files failed in processing'. The control record in the file will have R appended.

- **FULL PAYIN:** Member shall use this interface to provide full payin of funds request only in 'C' segment for a specific settlement type and settlement number at member level.
 - Log on to N-MASS.
 - Click the EPI-> FUNDS EPI->Full Payin

N-MASS displays the Full Payin amount for confirmation in the screen as shown below.

User shall select settlement no. and settlement type from drop down for which user wants to put full pay-in request.

On selection of settlement no. and settlement type from drop down, amount will get auto populated and it cannot be edited by user.



The screenshot shows a web interface for 'Full Payin'. At the top, there are navigation links: 'EPI', 'SECURITIES EPI', and 'FUNDS EPI'. Below this, the title 'Full Payin' is displayed. The main form contains the following fields:

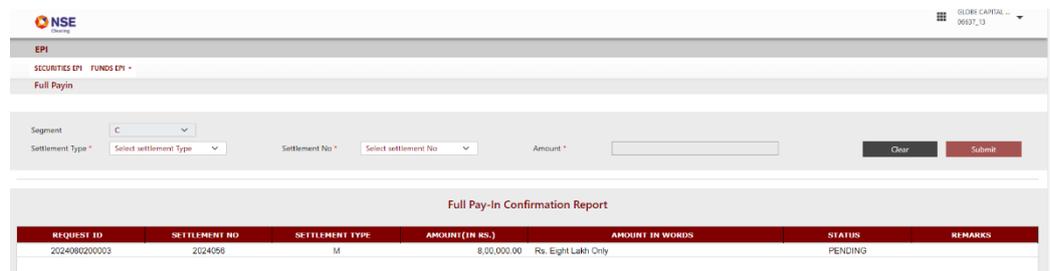
- Segment:** A dropdown menu with 'C' selected.
- Settlement Type:** A dropdown menu with 'M' selected.
- Settlement No.:** A dropdown menu with '2024056' selected.
- Amount:** A text input field with '800000' entered.

At the bottom right of the form, there are two buttons: 'Clear' and 'Submit'.

On click of submit button final confirmation message comes as "Do you want to proceed" and on click of "OK" button, Full Pay in Confirmation Request will go to Bank side.

Depending on the primary bank of member, further Cash confirmation maker and checker will be executed for Full Pay in.

Member can view the status accordingly in Full Pay-in Confirmation Report Screen which is there on same page of Full Pay in confirmation as shown below.



| REQUEST ID | SETTLEMENT NO | SETTLEMENT TYPE | AMOUNT (IN RS.) | AMOUNT IN WORDS | STATUS | REMARKS |
|---------------|---------------|-----------------|-----------------|---------------------|---------|---------|
| 2024080200003 | 2024056 | M | 8,00,000.00 | Rs. Eight Lakh Only | PENDING | |

If bank has confirmed the amount or request is pending then request for the same settlement number & type cannot be sent again.

There will be cut of time for settlement number and Settlement type placing a request for Full pay-in. After cut-off time, no request can be placed. The entire request placed before the cut off time but not confirmed by bank after cut off time will be treated as cancelled.

On click of clear button settlement no., settlement type and amount fields will get reset.

5. OFS Module

5.1 Funds Utilization Report:

Using this option, Member can view the Funds Utilization Report displaying the Funds addition, Funds confirmed by bank, Funds Utilized and Order details for the OFS of the symbols. Report can also be downloaded in CSV using the download option on the screen. Fund utilization report and Order details are to be downloaded separately. In case if there are more than 5000 client records, the details shall not be displayed on the screen and the details shall be available in file download option.

- Process to navigate to the Funds Utilization Report Menu:
 - Log on to N-MASS.
 - Click the OFS->OFS Funds Pay-In->Funds Utilization Report Menu



Order Details:

| ORDER NO | CLIENT CODE | CP CODE | SYMBOL | SERIES | SETTLEMENT TYPE NO. | QTY | PRICE | ORDER STATUS |
|-----------------|-------------|---------|-----------|--------|---------------------|--------|-------|--------------|
| 202407100000109 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000110 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000108 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000109 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000127 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000128 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000125 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000133 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000123 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000124 | ***** | - | TEST37001 | RS | 2024002 | 100.00 | 90.00 | Pending |
| 202407100000122 | ***** | - | TC537002 | RS | 2024002 | 100.00 | 90.00 | Pending |

5.2 OFS Funds:

Using this option, Member can provide EPI of funds for OFS, set funds EPI TM limit and TM limit for OFS Collateral.

- Process to navigate to the OFS Funds Menu:
 - Log on to N-MASS.
 - Click the OFS->OFS Funds Pay-In->OFS Funds->Funds Request

User shall select settlement no., settlement type, bank and enter EPI Amount to put OFS EPI Funds Pay-In request.

On click of submit button, OFS Funds EPI Request will go to Bank side.

Depending on the primary bank of member, further Cash confirmation maker and checker will be executed for OFS Funds EPI.

Member can view the status accordingly on enquiry section of OFS Funds EPI Request Screen.

- **Funds Request:** Members shall use this interface to request fund addition for OFS EPI.

The OFS - Funds Request screen shows the following columns:

- Settlement Type
- Settlement No.
- Clearing Bank
- EPI amount
- Amount in words

On clicking “Submit” button, the submitted record will display following details:

- Request Id
- Segment
- Bank
- Settlement Type
- Settlement No.
- EPI Amount
- Amount in words
- Status
- Remarks

| REQUEST ID | SEGMENT | BANK | STP TYPE | STP NO | EPI AMT | AMOUNT IN WORDS | STATUS | REMARKS |
|------------|---------|----------|----------|---------|---------|------------------------|---------|---------|
| 1 | C | BANK LTD | H | 2024552 | 500000 | Rs. Five Lakh Only | Pending | |
| 2 | C | BANK LTD | H | 2024552 | 5000 | Rs. Five Thousand Only | Pending | |

- **Funds EPI TM Limit:** Members shall use this interface to allocate Funds EPI at TM level.
 - Log on to N-MASS.
 - Click the OFS->OFS Funds Pay-In->OFS Funds->Funds EPI TM Limit

User shall select settlement no., settlement type and enter TM code and Amount to put Funds EPI TM Limit.

On click of submit button, the record gets saved.

Only amount for the saved record can be edited. Amount edited should only be more than the existing amount.

The OFS - Funds EPI TM Limit screen shows the following columns:

- a. Settlement Type
- b. Settlement No.
- c. TM Code
- d. Amount
- e. Amount in words

On clicking “Submit” button, the submitted record will display following details:

- a. Settlement Type
- b. Settlement No.
- c. TM Code
- d. Amount
- e. Amount in words

| SELECT | STP TYPE | STP NO | TM CODE | AMOUNT | AMOUNT IN WORDS |
|--------------------------|----------|---------|---------|--------|-----------------------|
| <input type="checkbox"/> | H | 2024552 | | 10000 | Rs. Ten Thousand Only |

[Edit](#)

- **Collateral TM Limit:** Members shall use this interface to set limit for OFS collateral at TM level.
 - Log on to N-MASS.
 - Click the OFS->OFS Funds Pay-In->OFS Funds->Collateral TM Limit

User shall enter TM code and Amount to put Collateral TM Limit.

On click of submit button, the record gets saved.

Only amount for the saved record can be edited. Amount edited should only be more than the existing amount.

The Collateral TM Limit screen shows the following columns:

- a. TM Code
- b. Amount
- c. Amount in words

The screenshot shows the 'Collateral TM Limit' form. It includes a 'Note' section with instructions: 'a) * mandatory fields' and 'b) Click on Submit to save or update'. Below the note are three input fields: 'TM Code *' (empty), 'Amount *' (containing '5000'), and 'Amount in Words' (containing 'Rs. Five Thousand Eight Hundred Seventy One Only'). A red 'Submit' button is located to the right of the 'Amount in Words' field. At the bottom left, it states 'Available Limit : Rs.5000000'.

On clicking “Submit” button, the submitted record will display following details:

- a. Settlement Type
- b. Settlement No.
- c. TM Code
- d. Amount
- e. Amount in words

The screenshot shows the 'Collateral TM Limit' form after submission. The 'Available Limit' is now 'Rs.4750000'. Below the form is a table with the following data:

| SELECT | TM CODE | AMOUNT | AMOUNT IN WORDS |
|--------------------------|---------|--------|----------------------------------|
| <input type="checkbox"/> | L | 250000 | Rs. Two Lakh Fifty Thousand Only |

At the bottom center of the table area, there is a red 'Edit' button.