FAQ on NSE MF Invest – API

Disclaimer:

*"This document/FAQ summarizes the queries relating to the above topic(s) in a concise manner for the Member's ease of understanding. The information and/ or content (collectively '**Information**') provided herein is general information only and NSE has issued detailed circulars to such effect from time to time. While reasonable care has been exercised to ensure that the Information is adequate and reliable, no representation is made by NSE as to its accuracy, correctness or completeness and NSE, its affiliates and subsidiaries accepts no liability of whatsoever nature for any direct/indirect or consequential loss, including without limitation any loss of profits, arising from reliance on this Information. In the event of any difference/ inconsistencies between the Information as provided herein and in the circulars, the Information in the circulars shall be construed as final and binding. NSE does not in any way control, warrant or provide guarantee on the suitability of the Information for the readers usage. The readers are expected to undertake their own diligence and are advised not to solely rely on this document. Any such reliance shall be at the reader's own risk. Nothing stated herein shall bind NSE, in any manner whatsoever."*

[Updated on: 31/Jul/25]

Table of Content:

FREQUENTLY ASKED QUESTIONS ON API ACCESS

1. Access Related

1.1 What is the requirement to integrate through API on the NSE MF Invest platform?

- To obtain API access, member to send an email with their details and environment to create secret key and member key
  - Member Type: TM/MFD/RIA/PMS
  - TM/ARN/RIA/PMS Code:
  - TM/ ARN/RIA/PMS Name:
  - Environment: LIVE/UAT
  - Login ID / Sub user:
- Post receipt of the above details create the secret key & member key
- Member can access API with static IP (upto 4 IPs can register) against each user, if required.

1.2 What is the requirement to provide IP based access?

- If member wish to procure IP based access, member to send an email with their details:
  - TM/ARN/RIA/PMS Code:
  - TM/ARN/RIA/PMS Name:
  - Environment: LIVE/UAT
  - Login ID / Sub user:
  - Static IP: upto 4 IPs can register per user

1.3 What are the required API documents for initial integration?

- Member requires the Collection and Environment file to be imported through Postman. Also refer the connection Level document which is the prerequisite to establish the connection through Postman and your application to avoid getting timeout error and request getting blocked. All headers mentioned in the connection level document are mandatory.

1.4 What are the steps to establish the connection through Postman?

- Kindly follow the below steps to establish the connection through Postman
  - Import the collection and environment file through Postman, Connection level doc is the prerequisite to establish the connection through Postman and your application to avoid getting timeout error and request getting blocked. (Note: Update your API secret, API Member license KEY, TM Code in environment file)
  - Select the environment in top right corner.
  - Check the TLS version should be 1.3 or above and cypher suites to be enabled.
  - In User agent the value same as Postman while connecting to the application and all the below headers are required. The value in Host will be the URL of UAT and production respectively. Referer and Cookie as provided in the Connection document as all other headers are already present in the attached txt files.

SN	Header Key	Example
1	Content-Type	application/json or any as per Business requirement
2	User-Agent	eg.,PostmanRuntime/7.29.0, PostmanRuntime/7.43.0 or any Browser type headers ex - Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:109.0) Gecko/20100101 Firefox/109.0.
3	Host	https://nseinvestuat.nseindia.com
4	Connection	keep-alive
5	Accept-Encoding	gzip, deflate, br
6	Accept-Language	en-US
7	Accept	*/*
8	Cookie	Needs to be set by requestor or keep blank
9	Referer	Needs to be set by requestor or keep blank

1.5 Which API will provide the current status of purchase transactions?

- The 'Order Cycle Report' will provide the status of the transaction.

1.6 Regarding Mandate API, kindly clarify whether the 'From Date' and 'To Date' in Mandate API returns only the 'Created' status, or both 'Created' and 'Updated' status?

- Yes. The data is 'As and when presented'.

1.7 What is the date parameter logic to fetch the Provisional and Order lifecycle reports?

- Provisional Order and Order Lifecycle Report can be fetched for 7 days.

1.8 What are the API error responses for the below errors?

- Connection timeout: Given by the network/server when the API is not connecting.
- Read timeout: Given by the network/server when the API is not connecting.
- Missing required authorization parameters: Improper authorization header.
- Invalid request URL/Service unavailable/Service not found: Improper API name.

1.9 What is Bank elog Upload API?

- This API provides an alternate solution for TPV failure cases. This API is not mandatory.

1.10 What is meant by "bank_account_no must be active?

- NSE validates the bank. We have jobs (PAN based API and Penny less API) for bank account verification. In verification, if the bank status fails, cancel cheque copy to be uploaded. **API method-** To check bank status- Client Master Report and Client Authorization Report

1.11 When do we call Client Cancel Cheque Upload API?

- This is used when the bank verification done through PAN based/Penny less mode fails. Connection timeout: Given by the network/server when the API is not connecting. This API is used when TPV fails. **API method- To upload cancel cheque- CANCELCHEQUE**

1.12 **What is POA Upload API?**

- POA refers to Power of Attorney, required for POA-registered clients. This API is not mandatory.

1.13 **What is SIP UMRN Mapping API?**

- This API is required for SIP to X-SIP conversion wherein SIP is without any UMRN and for XSIP UMRN is mandatory.

1.14 **How can we test the purchase API in the UAT environment?**

- Kindly refer API method- ORDERENTRY.

1.15 **Even if the purchase API returns a "Success" status, how will the user be redirected to the payment gateway to complete the transaction?**

- Kindly refer API method- Purchase Order Payment API. There is a provision to provide the callback url in the request.

1.16 **When UPI or Netbanking is selected as the purchase mode, the payment mode and bank account details should be set to read-only?**

- Currently it is set to read only, we do not allow to modify or update.

1.17 **How can we update nominee details via API?**

- In order to update a nominee via API, Member needs to use CLIENT COMMON 183 API. Further, if the member wants to update any data with regards to the nominee in the folio, he can use the NFT API.

1.18 **What are the list of values for amc_code for KYC Fresh Register API?**

- The RTA AMC code for E-KYC is as under:

SN	AMC Code	AMC Name
1	B	Aditya Birla
2	K	Kotak Mahindra
3	H	HDFC Mutual Fund
4	G	Bandhan Mutual Fund
5	CR	Canara Robeco Mutual Fund
6	O	HSBC Asset Management
7	UK	Union Asset Management

2. Issues Faced

2.1 **We are encountering the Error message - Invalid authorization header or IP Address not mapped with user when accessing the NSE MF Invest APIs on UAT environment?**

- Member to update environment file provided with member id, API secret key, member API key, login id to which API access is provided.
- On importing the environment and collection file, kindly ask the member to select the environment in top right corner.
- Add additional headers as well.
- Referer and Cookie as provided in the Connection document as all other headers are already auto present. The Connection level prerequisite document has all headers highlighted in yellow which are mandatory while establishing the connection through Postman as well as the application to avoid the request being blocked at Akamai.

2.2 **When creating a profile (client_code) using the CLIENTCOMMON API, the only available client type options are Demat and Physical (Non-Demat). Could you confirm which option should be selected for digital profiles?**

- AOF will only be for non-individual. The process is digital only. The classification of UCC type is based on Demat and Non Demat.

2.3 **Which key should be used to check if a profile is activated? Additionally, where can we find the rejection reason, and which API should be used for this purpose?**

- There is no separate UCC activation process on the New Platform.
- For Demat UCC – Demat Status should be active to place the orders. Also, redemption payout to be made in verified bank account. Under member login, navigate Member Desk>> Masters>> Client registration >> View
- For Non Demat UCC – Refer Client Authorization Report and Client KYC report. FATCA should be present. Either ELOG or AOF to exist and KYC should be verified to place the orders. Under member login, navigate Member Desk>> Reports>>Client KYC report and Client Authorization Report.

2.4 **Member gets the error of "Invalid Authorization Header"/" Invalid IP"/Timed out error or gets no response on accessing API?**

- Member to refer the Updated Collection and Environment file with the Connection level prerequisites along with details mentioned in **2.1**

2.5 **Member questions about an API for downloading the scheme master?**

- **Scheme Master & NAV Download API** can be used for downloading Scheme master & NAV file respectively. Refer WEB API File Structure in Circular 67716 Page no 182.
- Member can download the same from Member Desk too. Menu Path- Member Desk>> Downloads>> Scheme Master.
- Member can download the same from the login page of Member desk too. Masters > Scheme Master.

2.6 **Is there any API for KYC?**

- **KYC Status Check API can be used** to check KYC status and **KYC FRESH REGISTER API can be used** for KYC registration. KYC Status check can be done only in Live Environment.

2.7 **Is there any API to Authorize and make payments?**

- The member can use the API of GET_SHORT_LINK for the links to Authorize and make payments.

2.8 **Member unable to find any Order data of the orders placed by him?**

- Provisional Order Status Report can be used by the member to view the orders placed by him. Orders in the Order Status API are visible only post RTA Validation.

2.9 **Scan mandate image upload through API?**

- Scan Mandate Image Upload API can be used.

2.10 **The XSIP Mandate Registration API is not available?**

- There is no separate XSIP mandate registration API. Kindly use the Mandate registration API for Emandate and Physical mandate.

2.11 **Member states that the Mandate Status report is not giving any data?**

- Mandate Status Report API can be used to fetch the Mandate Detailed Status.

2.12 **Is there an API available for downloading and uploading the AOF?**

- API members can create/generate the AOF using the blank NSE AOF template and filling the required data as available via API. There is no AOF Download API. AOF Image is downloaded from Member Desk. Path is Member Desk>>Utilities>> AOF download. AOF Image Upload API can be used to upload the AOF.

2.13 **Member Portal is currently not working and is returning a 404 error and the APIs are continuously loading without a response?**

- Member to write to Support team so that the same can be checked with their respective Network Team.

2.14 **Meaning of "valid and Invalid" for "order_status" in nsemfdesk/api/v2/reports/PROV_ORDERS, nsemfdesk/api/v2/reports/ORDER_STATUS and nsemfdesk/api/v2/reports/order_lifecycle?**

Description	Order Status	Order Provisional Remarks	Order Remarks
Action 1- Order is placed by investor	2FA PENDING	2FA PENDING	2FA PENDING
Action 2- 2FA complete or pending for 2FA	AUTH PENDING	AUTH PENDING	AUTH PENDING
Action 3- Payment Complete/ Payment Pending	PAYMENT PENDING	PAYMENT CONFIRMATION PENDING	PAYMENT CONFIRMATION PENDING
Action 4- Reconciliation done	PENDING FOR RTA	PROVISIONAL ORDER	PROVISIONAL ORDER

2.15 **Member has updated the client details using the API URL, however, facing issues in transaction API?**

- Prior to placing the order, the UCC needs to be authorized.

2.16 **Member Portal is encountering an issue where the API consistently returns a 415 Unsupported Media Type error?**

- Kindly refer table mentioned in point 1.4

2.17 **Member encountering an issue with the NSE Invest link received via the Get Link API ‘"Sorry, you have already opened a link to process this request."?**

- This error occurs when the previously opened link is not closed properly hence, kindly close the tab or browser properly in which the link was opened in first place. If the user moves backward in the journey without closing the browser and tries to make payment the said error message will be displayed.

2.18 **For XSIP transactions in NSE Invest platform, "End Date" field is available in the UI whereas the same is missing in the API. Kindly check and update as we have all the logics related to End date only."?**

- End date is derived basis the Start date and the number of frequencies hence available in UI for display purpose. The same will not be provided in API as it is derived field.

2.19 **Is there any update on the Exception API? Or is exception handling managed within the existing shared API?**

- There is no separate Exception API on NSE MF Invest platform.

2.20 **The account number is marked as mandatory for redemption. Could you please confirm if the system defaults to the investor’s registered bank account in the absence of an explicitly provided account number for purchase transactions?**

- In purchase transaction, payment can be done only from active banks. Bank to be selected while making payment.

2.21 **There is no field available for specifying the payment mode. How does the system determine or handle the payment method in such cases?**

- Investor receives the authorization link, payment mode selection is available.

2.22 **Member not receiving emails post FATCA declaration?**

- Member to check the Client Authorization Report. Check the tag- "auth_email_sent": "Y", "auth_status": "SUCCESS", If “N” and status is Pending use RESEND_COMM API to retrigger authorization link.

2.23 **There is no field for account number or bank details in SIP transactions. Could you please explain how the system processes these transactions without this information?**

- For SIP, collection will be done at member end. For XSIP, mandate details are mandatory, the bank mapped against the mandate collection will be made from that account. In case of FOT-

Y, then investor will receive the payment link, the payment mode and account number can be selected.

2.24 **Could you please elaborate on the purpose and behaviour of the First_order_today field in systematic transactions?**

- FOT -Y, is where the lumpsum order can be placed with Systematic Registration. The feature is like Purchase with SIP where then the first installment is triggered on the date of registration and as per RTA requirement, second instalment is aligned with SIP date and need to have 30 days gap from first instalment. (as per the frequency)

2.25 **What all switch types are allowed?**

- The switch types allowed are:
  - Regular to Direct
  - Regular to Regular
  - Direct to Direct

2.26 **What are the common errors faced by the member and the steps to be taken for resolution?**

- The common errors faced by the members and the steps to be taken are as under:

SN	Error Code	Error Description
1	400	Bad Request
2	403	Forbidden error
3	404	Service Unavailable
4	405	Method not Allowed / supported
5	415	Unsupported Media Type
6	422	Unable to place order
7	500	System error while updating bank details
8	504	Gateway timeout

- Member to check - URL endpoint, all the tags are proper, API keys, headers and in user id its case sensitive, so it checks CAPS and small letters as well.