BSE STAR MF – WEB SERVICES STRUCTURE

Version 3.0

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Introduction to the WEB Services API Structure Document

BSE StAR MF Mutual Fund Platform provides Web Services based Order routing services and Additional Services for all Mutual Fund Intermediaries (MFIs)/Mutual Fund Distributors (MFDs) / Vendors / Application Solution Providers (ASP Vendors) using third party vendor solutions and/or in-house developed trading applications over the Internet

Going Live of your software for the BSE Mutual fund Segment
The following steps are needed to be taken.
1. Member can receive the API documents and request for Test Market credentials by sending mail with their existing Live BSE StAR MF Member ID.
2. Develop your own software using the BSE StAR MF Test Market.
3. Once ready request the Exchange for a demo of the product to be conducted in the Test Market.
4. Once Demo is given and product is confirmed member shall receive the Live API links.
5. Member can integrate the Live API links within their product and go live.

Pre-Requisites
Infrastructure
The BSE StAR MF Webservices is used over the Internet to connect from the Member/ Vendor Server to the BSE StAR MF server. Members /Vendors can utilize their existing Internet Connectivity for using the Webservices, however It is recommended to have dedicated bandwidth and low latency connectivity.

Software
Any language that has support for a SOAP based Library (SOAP Ver 1.2) can be used in development for using the Web Services API.

Access to Test Environment
BSE Provides a Test Environment to its members for testing, development and Integration of their Products using the BSE StAR MF Web Services API. If the Member/Vendor desires access for the same, he can send a mail requesting access to Navaneeth.krishnan@bseindia.com or Aqsa.shaikh@bseindia.com with his BSE StAR MF Member ID.

Testing Tools
It is recommended to use SOAPUI (Open Source Version) available at https://www.soapui.org/ for testing the Web Services API. It is also possible to use POSTMAN for testing however it will require manual crafting of the XML SOAP requests which is done automatically by SOAPUI.

Web Services APIs
The WEB SERVICE API is an ASP.NET XML based service using SOAP which is language agnostic and can be called by any language having SOAP 1.2 libraries.

Understanding the Web Service API

- All Web Services are separated in their own sections based on their own Authentication mechanism.
- All APIs require a Session ID /Encrypted Password to be generated by the Authentication method before calling the actual API eg. `getPassword` method for Order API
- Each Section has the API web service link for the API provided in the Introduction or start of the sections.
- For each web service on opening the API Link Members are given two links for WSDL definition, Members have to use the `?singleWsdl` link to generate the Methods for their language if required eg. .NET, Java etc..

You can also access the service description as a single file:

https://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc?singleWsdl

- Please use the /Secure Endpoint as given in the WSDL definition for all communication as it uses HTTPS.

```xml
<wsdl:service name="MFOrder">
    <wsdl:port name="WSHttpBinding_MFOrderEntry" binding="tns:WSHttpBinding_MFOrderEntry">
        <soap12:address location="http://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc"/>
        <wsa10:EndpointReference>
            <wsa10:Address>http://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc</wsa10:Address>
        </wsa10:EndpointReference>
    </wsdl:port>
    <wsdl:port name="WSHttpBinding_MFOrderEntry1" binding="tns:WSHttpBinding_MFOrderEntry1">
        <soap12:address location="https://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc/Secure"/>
        <wsa10:EndpointReference>
            <wsa10:Address>https://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc/Secure</wsa10:Address>
        </wsa10:EndpointReference>
    </wsdl:port>
</wsdl:service>
```

- If you are using a SOAP library to connect to the Web Service kindly ensure that you are targeting the correct Service and the HTTPS endpoint (/Secure) eg given in the Web Service `?singleWsdl` configuration. In this case 'MFOrder' and ' WSHttpBinding_MFOrderEntry1'
- All API Table Descriptions are given in the same order as the module definitions given in the WSDL method for the given API
- Methods are given along with the API Structure with the snapshot of the relevant in the API Sample requests and Response are provided in the Member

Common Fields and Nomenclature used in the Web Service API

User ID:

Login ID/ User ID /Web Service ID is the Main ID which is used for Login along with the Member ID. This is provided by the Exchange for the API.

Member ID:

Member ID/ Member Code is assigned to the member on registration with the Exchange. This is not the ARN Code.

Password:

The Password which is provided for User ID/ Login ID.

Passkey:

The Passkey is an random Alphanumeric string used to increase the session Entropy when creating the Encrypted Password / Session ID

Client Code:

The Client for which the transaction or service has to be invoked.

getPassword:

The Authentication method that is used to establish a session for the additional requests. The validity for the Encrypted Password /Session ID generated is 1 hour for MFOrder.svc and 5 minutes for the rest.

Note: This is not required in methods in which authentication is built-in

Encrypted Password

This is the session ID to be used after being generated through the getPassword method to authenticate the session.

MUTUAL FUND ORDER ENTRY REQUEST AND RESPONSE SERVICES MESSAGE STRUCTURE

NOTE : This section contains a SOAP Only service

The Order Entry API exposes the Order Entry functionality through which members/vendors can enter Orders through API into the BSE StAR MF System.

The Web Service through which order entry and response can be facilitated is available at.

URL	https://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc

This Order Entry API Document Section contains Message Structures for

1) Login Entry
2) Login Response
3) Normal Order Entry
4) Normal Order Entry Response
5) SIP Order Entry
6) SIP Order Entry Response
7) X-SIP Order Entry
8) X-SIP Order Entry Response
9) Spread Order Entry
10) Spread Order Entry Response
11) Switch Order Entry
12) Switch Order Entry Response

MF Order Web Service Authentication Details

1. The Session Validity for MFOrder.svc Service is 1 Hour for all other services it is 5 minutes
2. Member session has to be Authenticated before sending any messages
3. Pass Key Validity can be Time based or One Time.
4. Member will have to enter the Web Service ID and password provided to them with a pass key (Alpha numeric with no special characters) each time they login.
5. Pass key can be different each time they login
6. Once user provides all the above / required details and submits it the Exchange, a response code will be sent to the member.
7. If the login is successful then response code "100" will be sent and after pipe an encrypted password will be sent to the member.
8. If the login is not successful then response code "101" will be sent.
9. This encrypted password will be unique each time the member logins into BSE web service.
10. Member has to use this encrypted password whenever they punch the order.

Web Service Authentication Request

The Method used for order Entry is `getPassword`

Parameter Name	Type	Length	Description	Sample Values	Mandatory
User ID	Varchar	5	Login ID for Web Service	0123	mandatory
Password	Varchar	20	Password for the Login ID	mf@abc	mandatory
Pass Key	Varchar	10	Random Alphanumeric value entered by member used for Entropy	abcdef1234	mandatory

WSDL Definition

```xml
▼<xs:element name="getPassword">
  ▼<xs:complexType>
    ▼<xs:sequence>
        <xs:element minOccurs="0" name="UserId" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="Password" nillable="true" type="xs:string"/>
        <xs:element minOccurs="0" name="PassKey" nillable="true" type="xs:string"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Sample SOAP Request

```xml
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
xmlns:bses="http://bsestarmf.in/">

<soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">
<wsa:Action>http://bsestarmf.in/MFOrderEntry/getPassword</wsa:Action>
<wsa:To>
https://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc/Secure
</wsa:To>
</soap:Header>
<soap:Body>
<bses:getPassword>
<bses:UserId>{{LoginID}}</bses:UserId>
<bses:Password>{{Password}}</bses:Password>
<bses:PassKey>{{Passkey}}</bses:PassKey>
</bses:getPassword>
</soap:Body>
</soap:Envelope>
```

Web Service Authentication Request Response

The Method used for order Entry is `getPasswordResponse`

Response	Type	Length	description/values	sample values
Response Code	Varchar	3	Request Response	**100-Success / 101 Invalid**
Encrypted Password	Varchar	250	Encrypted password	

WSDL Definition

```
▼<xs:element name="getPasswordResponse">
  ▼<xs:complexType>
    ▼<xs:sequence>
        <xs:element minOccurs="0" name="getPasswordResult" nillable="true" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

Sample SOAP Response

```
<s:Envelope xmlns:s="http://www.w3.org/2003/05/soap-envelope"
xmlns:a="http://www.w3.org/2005/08/addressing">
    <s:Header>
        <a:Action
s:mustUnderstand="1">http://bsestarmf.in/MFOrderEntry/getPasswordResponse</a:A
ction>
    </s:Header>
    <s:Body>
        <getPasswordResponse xmlns="http://bsestarmf.in/">

<getPasswordResult>100|UWQ/yLAS7KmiHyExtsKKq3DuHTWuyGGYnAOwLKjOzy0P4s38PSL8nA=
=</getPasswordResult>
        </getPasswordResponse>
    </s:Body>
</s:Envelope>
```

Response Code |Encrypted Password (Session ID)

100|UWQ/yLAS7KmiHyExtsKKq3DuHTWuyGGYnAOwLKjOzy0P4s38PSL8nA==

ERROR MESSAGES	DESCRIPTION
USER ID SHOULD NOT BE BLANK	Blank value in user Id field
MEMBER ID SHOULD NOT BE BLANK	Blank value in member Id field
PASSWORD SHOULD NOT BE BLANK	Blank value in password field
PASSKEY SHOULD NOT BE BLANK	Blank value in passkey field
USER IS DISABLED. CONTACT ADMIN	User is blocked or disabled
YOU HAVE EXCEEDED MAXIMUM LOGIN ATTEMPTS. CONTACT ADMIN	User has entered wrong password more than 5 times
INVALID ACCOUNT INFORMATION	Incorrect Login details
INVALID USER ID	Incorrect Login ID
THE MEMBER IS SUSPENDED. CONTACT ADMIN	when the given member is blocked or inactive
THE BRANCH IS SUSPENDED. CONTACT ADMIN	when the given member branch is blocked or inactive]
ACCESS TEMPORARILY SUSPENDED. KINDLY BEAR WITH US	when forced login is "YES"
PASSWORD EXPIRED	when the user password has expired
USER NOT EXISTS	when user doesn't pass proper login details

LUMPSUM PURCHASE & REDEMPTION ORDER ENTRY MESSAGE STRUCTURE

Introduction

- Lumpsum transactions in StAR MF are Single Investments in a Mutual Fund Asset.
- For a new Lumpsum transaction NEW has to be sent. Modification/ Cancellation is no longer available due to real-time integration with RTA. (FIELD: TRANSCODE)
- A unique no has to be sent for each request, this has to be unique even if the request is rejected. (FIELD: TRANSNO)
- The Order ID is generated by the Exchange so it is kept blank for new order requests. (FIELD: ORDERID)
- Lumpsum can be Purchased or Redeemed (FIELD: BUYSELL)
- On Purchase the Mutual Fund Investments are received as Units, These units can be received as Physical or in an Demat Account. (FIELD: BUYSELL)

LUMPSUM PURCHASE & REDEMPTION Order Entry Web Service Request

The Method used for order Entry is `orderEntryParam`

Parameter Name	Type	Length	Description	Sample Values	Mandatory
Transaction code	varchar	3	Order : New/ Modification/ Cancellation	NEW/MOD/CXL	mandatory
Transaction Number	varchar	19	Unique reference number from the member. Number can be incremental for each order(000001, 000002,….). The number will be reset the next day.	YYYYMMDD<memberid>000001	mandatory
OrderId	bigint	8	BSE unique order number, for new order this field will be blank and incase of modification and cancellation the order number has to be given		non mandatory/ mandatory
UserID	bigint	5	User ID as given by BSE		mandatory

MemberId	varchar	20	Member code as given by BSE		mandatory
ClientCode	varchar	20	Client Code		mandatory
SchemeCd	varchar	20	BSE scheme code available from BSE Scheme Code Master		mandatory
BuySell	varchar	1	Type of transaction i.e. Purchase or Redemption	P/R	mandatory
BuySellType	varchar	10	Buy/Sell type i.e. Fresh Folio or Additional in existing Folio	FRESH/ADDITIONAL	mandatory
DPTxn	varchar	10	CDSL/NSDL/PHYSICAL	C/N/P	mandatory
AMOUNT	money	14	Purchase/Redemption amount (redemption amount only in case of physical redemption)		either amount or qty
Qty	money	8	Redemption quantity		either amount or qty
AllRedeem	varchar	1	All units flag, If this Flag is "Y" then units and amount column should be blank	Y/N	mandatory
FolioNo	varchar	20	Incase Demat transaction this field will be blank and mandatory in case of physical redemption and physical purchase + additional		For Physical Additional
Remarks	varchar	255			non mandatory
KYCStatus	varchar	1	KYC status of client	Y/N	mandatory
RefNo	varchar	20	Internal reference number		non mandatory
SubBrCode	varchar	15	Sub Broker code		non mandatory
EUIN	varchar	20	EUIN number		mandatory
EUIN flag	varchar	1	EUIN decleration	Y/N	mandatory
MinRedeem	varchar	1	Minimum redemption flag	Y/N	mandatory
DPC	varchar	1	DPC flag for purchase transactions	Y	mandatory

IPAdd	varchar	20			
Password	varchar	250	Encrypted password		mandatory
Pass Key	varchar	10			mandatory
Param1 (Sub Broker ARN)	varchar	20	Filler 1 Will Be Used As Sub Broker ARN Code		Non mandatory
PG Reference No	varchar	25	Purchase Only, Used for Funds Mapping		Non mandatory
Bank Account No	varchar	20	Redemption Only, to choose the account in which the Funds are redeemed to.		Mandatory for redemption

WSDL Definition for Request

```xml
<xs:element name="orderEntryParam">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="TransCode" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="TransNo" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="OrderId" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="UserID" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="MemberId" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="ClientCode" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="SchemeCd" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="BuySell" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="BuySellType" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="DPTxn" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="OrderVal" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="Qty" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="AllRedeem" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="FolioNo" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="Remarks" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="KYCStatus" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="RefNo" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="SubBrCode" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="EUIN" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="EUINVal" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="MinRedeem" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="DPC" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="IPAdd" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="Password" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="PassKey" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="Parma1" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="Param2" nillable="true" type="xs:string"/>
            <xs:element minOccurs="0" name="Param3" nillable="true" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
```

```xml
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
                xmlns:bses="http://bsestarmf.in/">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">

    <wsa:Action>http://bsestarmf.in/MFOrderEntry/orderEntryParam</wsa:Action>

    <wsa:To>https://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc/Secure</wsa:To>
    </soap:Header>
    <soap:Body>
        <bses:orderEntryParam>
            <bses:TransCode>NEW</bses:TransCode>
            <bses:TransNo>20191220100060007</bses:TransNo>
            <bses:OrderId/>
            <bses:UserID>{{LoginID}}</bses:UserID>
            <bses:MemberId>{{MemberID}}</bses:MemberId>
            <bses:ClientCode>{{ClientCode}}</bses:ClientCode>
            <bses:SchemeCd>02-DP</bses:SchemeCd>
            <bses:BuySell>P</bses:BuySell>
            <bses:BuySellType>FRESH</bses:BuySellType>
            <bses:DPTxn>P</bses:DPTxn>
            <bses:OrderVal>5000</bses:OrderVal>
            <bses:Qty/>
            <bses:AllRedeem>N</bses:AllRedeem>
            <bses:FolioNo/>
            <bses:Remarks/>
            <bses:KYCStatus>Y</bses:KYCStatus>
            <bses:RefNo/>
            <bses:SubBrCode/>
            <bses:EUIN/>
            <bses:EUINVal>N</bses:EUINVal>
            <bses:MinRedeem>N</bses:MinRedeem>
            <bses:DPC>Y</bses:DPC>
            <bses:IPAdd/>
            <bses:Password>{{EncPassword}}</bses:Password>
            <bses:PassKey>{{Passkey}}</bses:PassKey>
            <bses:Parma1/>
            <bses:Param2/>
            <bses:Param3/>
        </bses:orderEntryParam>
    </soap:Body>
</soap:Envelope>
```

```xml
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
               xmlns:bses="http://bsestarmf.in/">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">

    <wsa:Action>http://bsestarmf.in/MFOrderEntry/orderEntryParam</wsa:Action>

    <wsa:To>https://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc/Secure</wsa:To>
    </soap:Header>
    <soap:Body>
        <bses:orderEntryParam>
            <bses:TransCode>NEW</bses:TransCode>
            <bses:TransNo>20191025109960007</bses:TransNo>
            <bses:OrderId/>
            <bses:UserID>{{LoginID}}</bses:UserID>
            <bses:MemberId>{{MemberID}}</bses:MemberId>
            <bses:ClientCode>{{ClientCode}}</bses:ClientCode>
            <bses:SchemeCd>02-DP</bses:SchemeCd>
            <bses:BuySell>R</bses:BuySell>
            <bses:BuySellType>FRESH</bses:BuySellType>
            <bses:DPTxn>P</bses:DPTxn>
            <bses:OrderVal>1000</bses:OrderVal>
            <bses:Qty/>
            <bses:AllRedeem>N</bses:AllRedeem>
            <bses:FolioNo>10001</bses:FolioNo>
            <bses:Remarks/>
            <bses:KYCStatus>Y</bses:KYCStatus>
            <bses:RefNo/>
            <bses:SubBrCode/>
            <bses:EUIN/>
            <bses:EUINVal>N</bses:EUINVal>
            <bses:MinRedeem>N</bses:MinRedeem>
            <bses:DPC>Y</bses:DPC>
            <bses:IPAdd/>
            <bses:Password>{{EncPassword}}</bses:Password>
            <bses:PassKey>{{Passkey}}</bses:PassKey>
            <bses:Parma1/>
            <bses:Param2/>
            <bses:Param3/>
        </bses:orderEntryParam>
    </soap:Body>
</soap:Envelope>
```

Web Service Order Entry Request Response

The Method used for order Entry is `orderEntryParamResponse`

Parameter Name	Type	Length	Description	Sample values
Transaction code	varchar	3	Transaction Code as given in the request	
Unique Reference number	varchar	19	Unique reference number as given in the request	YYYYMMDD\<memberid\>000001
Order number	bigint	8	BSE order number will be given in this field	
UserID	bigint	5	User ID as given by BSE	
MemberId	varchar	20	Member code as given by BSE	
ClientCode	varchar	20	Client Code	
BSE remarks	varchar	1000	Bse Response Return remarks	
Success flag	varchar	1	Order success flag	

WSDL Definition

```
<xs:element name="orderEntryParamResponse">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" name="orderEntryParamResult" nillable="true" type="xs:string"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
```

```xml
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
               xmlns:bses="http://bsestarmf.in/">
    <soap:Header xmlns:wsa="http://www.w3.org/2005/08/addressing">

    <wsa:Action>http://bsestarmf.in/MFOrderEntry/orderEntryParam</wsa:Action>

    <wsa:To>https://bsestarmfdemo.bseindia.com/MFOrderEntry/MFOrder.svc/Secure</wsa:To>
    </soap:Header>
    <soap:Body>
        <bses:orderEntryParam>
            <bses:TransCode>NEW</bses:TransCode>
            <bses:TransNo>20191220100600007</bses:TransNo>
            <bses:OrderId/>
            <bses:UserID>{{LoginID}}</bses:UserID>
            <bses:MemberId>{{MemberID}}</bses:MemberId>
            <bses:ClientCode>{{ClientCode}}</bses:ClientCode>
            <bses:SchemeCd>02-DP</bses:SchemeCd>
            <bses:BuySell>P</bses:BuySell>
            <bses:BuySellType>FRESH</bses:BuySellType>
            <bses:DPTxn>P</bses:DPTxn>
            <bses:OrderVal>5000</bses:OrderVal>
            <bses:Qty/>
            <bses:AllRedeem>N</bses:AllRedeem>
            <bses:FolioNo/>
            <bses:Remarks/>
            <bses:KYCStatus>Y</bses:KYCStatus>
            <bses:RefNo/>
            <bses:SubBrCode/>
            <bses:EUIN/>
            <bses:EUINVal>N</bses:EUINVal>
            <bses:MinRedeem>N</bses:MinRedeem>
            <bses:DPC>Y</bses:DPC>
            <bses:IPAdd/>
            <bses:Password>{{EncPassword}}</bses:Password>
            <bses:PassKey>{{Passkey}}</bses:PassKey>
            <bses:Parma1/>
            <bses:Param2/>
            <bses:Param3/>
        </bses:orderEntryParam>
    </soap:Body>
</soap:Envelope>
```

SIP MESSAGE STRUCTURE

Web Service SIP Request

The Method used for SIP Request is `sipOrderEntryParam`

Parameter Name	Type	Length	Description	Sample values	Mandatory
Transaction code	varchar	3	New SIP or Cancellation of SIP	NEW/CXL	mandatory
Unique reference number	varchar	19	Unique reference number from the member. Number can be incremental for each order(000001, 000002,….). The number will be reset the next day.	YYYYMMDD<usercode>000001	mandatory
SchemeCd	varchar	20	BSE scheme code		mandatory
MemberId	varchar	20	BSE member code		mandatory
ClientCode	varchar	20	BSE client code		mandatory
UserId	bigint	5	user id		mandatory
INTERNALREFNO	varchar	10	internal referance number		non - mandatory
TRANSMODE	varchar	2	demat or physical	D/P	mandatory
DP TRANSACTION MODE	char	1	CDSL/NSDL/PHYSICAL	C/N/P	mandatory
START DATE	varchar	10	start date of the SIP	DD/MM/YYYY	mandatory
FREQUENCY TYPE	varchar	20	type of frequency	MONTHLY/QUARTERLY/WEEKLY	mandatory
frequency allowed	int	1	rolling frequency	1	mandatory
INSTALLMENT AMOUNT	int	8	installment amount		mandatory
NO OF INSTALLMENTS	int	4	number of installments		mandatory

REMARKS	varchar	100			non mandatory
FOLIO NO	varchar	20	mandatory incase of physical SIP		
FIRSTORDERFLAG	char	1	first order today flag	Y/N	mandatory
SUBBRCODE	varchar	15	sub broker code		non - mandatory
EUIN	varchar	20	EUIN number		mandatory
EUIN DECLERATION FLAG	varchar	1	EUIN declaration flag	Y/N	mandatory
DPC	char	1	DPC flag	Y	mandatory
REGID	bigint	10	SIP reg number. Incase of new registration this will be blank		
IPAdd	varchar	20			
Password	varchar	250	encrypted password		mandatory
Pass Key	varchar	10			
Param1 (Sub Broker ARN)	varchar	20	Filler 1 Will Be Used As Sub Broker ARN Code		non - mandatory
Param2 (End Date)	varchar	10	End Date for Daily SIP	DD/MM/YYYY	Mandatory only in case of daily SIP only for MFI/RFI
Param3	varchar	10			

Web Service SIP Request Response

The Method used for SIP Request Response is `sipOrderEntryParamResponse`

Parameter Name	Type	Length	Description	Sample values
Transaction code	varchar	3	Transaction Code as given in the request	NEW/CXL
Unique reference number	varchar	19	Unique reference number as given in the request	YYYYMMDD<usercode>000001
MemberId	varchar	20	BSE member code	
ClientCode	varchar	20	BSE client code	
UserId	bigint	5	user id	
SIP REG_ID	bigint	10	in case new SIP, BSE XSIP registration will be populated.	
Bse remarks	varchar	1000	Bse Response Return remarks	
Success flag	varchar	1	Order success flag	

Web Service XSIP/ISIP Request

The Method used for XSIP/ISIP Request is `xsipOrderEntryParam`

Parameter Name	Type	Length	Description	Sample values	Mandatory
Transaction code	varchar	3	New XSIP or Cancellation of XSIP	NEW/CXL	mandatory
Unique reference number	varchar	19	Unique reference number from the member. Number can be incremental for each order(000001, 000002,….). The number will be reset the next day.	YYYYMMDD<usercode>000001	mandatory
SchemeCd	varchar	20	BSE scheme code		mandatory
MemberId	varchar	20	BSE member code		mandatory
ClientCode	varchar	20	BSE client code		mandatory
UserId	bigint	5	user id		mandatory
INTERNAL_REF_NO	varchar	10	internal referance number		non-mandatory
TRANS_MODE	varchar	2	demat or physical	D/P	mandatory
DP transaction mode	char	1	CDSL/NSDL/PHYSICAL	C/N/P	mandatory
start date	varchar	10	start date of the SIP	DD/MM/YYYY	
FREQUENCY TYPE	varchar	20	type of frequency	MONTHLY/QUARTELY/WEEKLY	mandatory
frequency allowed	int	1	rolling frequency	1	mandatory
INSTALLMENT_AMOUNT	numeric	8	installment amount		mandatory
NO_OF_INSTALLMENTS	int	4	number of installments		mandatory
REMARKS	varchar	100			non-mandatory

FOLIO_NO	varchar	20	mandatory incase of physical SIP		non-mandatory
FIRST_ORDER_FLAG	char	1	first order today flag	Y/N	mandatory
BROKERAGE	money	8			non-mandatory
XSIP MANDATEID/ EMANDATE ID	bigint	8	BSE mandate ID (XSIP/Emandate) for XSIP Orders		Mandatory for XSIP Orders
SUBBRCODE	varchar	15	sub broker code		non-mandatory
EUIN	varchar	20	EUIN number		mandatory
EUIN flag	varchar	1	EUIN decleration flag	Y/N	mandatory
DPC	varchar	1	DPC flag	Y	mandatory
XSIP REG_ID	int	10	XSIP reg number. Incase of new registration this will be blank		
IPAdd	varchar	20			
Password	varchar	250	encrypted password		mandatory
Pass Key	varchar	10			
Param1 (Sub Broker ARN)	varchar	20	Filler 1 Will Be Used As Sub Broker ARN Code		non-mandatory
Param2 (ISIP Mandate ID)	varchar	15	ISIP Mandate		Mandatory for ISIP Orders
Param3	varchar	10			

The Method used for XSIP/ISIP Request Response is `xsipOrderEntryParamResponse`

Parameter Name	Type	Length	Description	Sample values
Transaction code	varchar	3	Transaction Code as given in the request	NEW/CXL
Unique reference number	varchar	19	Unique reference number as given in the request	YYYYMMDD<usercode>000001
MemberId	varchar	20	BSE member code	
ClientCode	varchar	20	BSE client code	
UserId	bigint	5	user id	
XSIP REG_ID	bigint	10	in case new XSIP, BSE XSIP registration will be populated.	
IPAdd	varchar	20		
BSE remarks	varchar	1000	Bse Response Return remarks	
Success flag	varchar	1	Order success flag	

Web Service SPREAD Order Request (Overnight)

The Method used for SPREAD Order Request is `spreadOrderEntryParam`

Parameter Name	Type	Length	Description	Sample values	Mandatory
Transaction code	Varchar	3	New Spread Order or Cancellation of Spread Order	NEW	mandatory
Unique referance number	Varchar	19	Unique reference number from the member. Number can be incremental for each order(000001, 000002,….). The number will be reset the next day.	YYYYMMDD<usercode>000001	mandatory
Orderid	Bigint	8	BSE unique order number, for a new order this field will be blank and incase of modification and cancellation the order number has to be given		
Userid	Bigint	5	User ID which will be given by BSE		mandatory
Memberid	Varchar	20	Member code given by BSE		mandatory
Clientcode	Varchar	20	Client code		mandatory
Schemecd	Varchar	20	BSE scheme code		mandatory
Buysell	Varchar	1	Type of transaction i.e. Purchase or redemption	P/R	mandatory
Buyselltype	Varchar	10	Type of buy/sell type i.e. Fresh or additional	FRESH/ADDITIONAL	mandatory
Dptxn	Varchar	10	CDSL/NSDL/PHYSICAL	C/N/P	mandatory
Purchase amount	Money	14	Purchase amount		
Redemption amount	Money	14	Redemtion amount		

All units flag	Varchar	1	All units flag, If this Flag is"Y" then units and amount column should be blank	Y/N		mandatory
Redeemdate	Varchar	10	Redemption date	DD/MM/YYYY		mandatory
Foliono	Varchar	20	Incase of demat transaction this field will be blank and mandatory in case of physical redemption and physical purchase+additional			non-mandatory
Remarks	Varchar	255				non-mandatory
Kycstatus	Varchar	1	Kyc status of client	Y/N		mandatory
Refno	Varchar	20	Internal referance number			non-mandatory
Subbrcode	Varchar	15	Sub broker code			non-mandatory
Euin	Varchar	20	Euin number			mandatory
Euinval	Varchar	1	EUIN decleration	Y/N		mandatory
Minredeem	Varchar	1	Minimum redemption flag	Y/N		mandatory
Dpc	Varchar	1	Dpc flag for purchase transactions	Y		mandatory
Ipadd	Varchar	20				
Password	Varchar	250	Encrypted password			mandatory
Pass key	Varchar	10				
Param1 (sub broker arn)	Varchar	20	Filler 1 will be used as sub broker arn code			non-mandatory
PG Reference No (Param 2)	Varchar	25	Purchase Only, Used for Funds Mapping			non-mandatory
Bank Account No (Param3)	Varchar	20	Redemption Only, to choose the account in which the Funds are redeemed to.			Mandatory

Web Service SPREAD Order Request Response (Overnight)

The Method used for SPREAD Order Request Response is `spreadOrderEntryParamResponse`

Parameter Name	Type	Length	Description	Sample Values
Transaction code	Varchar	3	Value will be same as value given in the request	NEW/CXL
Unique referance number	Varchar	19	Unique referance number as given in the request	YYYYMMDD<usercode>000001
Orderid	Bigint	8	BSE order number will be given in this field	
Userid	Bigint	5	User ID which will be given by BSE	
Memberid	Varchar	20	Member code given by BSE	
Clientcode	Varchar	20	Client code	
Success flag	Varchar	1	Bse return remarks	
BSE remarks	Varchar	1000	Order success flag	

Web Service SWITCH Order Request

The Method used for SWITCH Order Request is `switchOrderEntryParam`

Parameter Name	Type	Length	Description	Sample values	Mandatory
Transaction code	Varchar	3	New Switch Order or Cancellation of Switch Order	NEW	Mandatory
Unique referance number	Varchar	19	Unique reference number from the member. Number can be incremental for each order(000001, 000002,....). The number will be reset the next day.	YYYYMMDD<usercode>000001	Mandatory
Orderid	Bigint	8			
Userid	Bigint	5	User ID which will be given by BSE		Mandatory
Memberid	Varchar	20	Member code given by BSE		Mandatory
Clientcode	Varchar	20	Client code		Mandatory
From scheme code	Varchar	20	Bse scheme code		Mandatory
To scheme code	Varchar	21	Bse scheme code		Mandatory
Buysell	Varchar	2	Switchout/switchin	SO/SI	Mandatory
Buyselltype	Varchar	10	Type of buy/sell type i.e. Fresh or additional	FRESH/ADDITIONAL	Mandatory
Dptxn	Varchar	10	CDSL/NSDL/PHYSICAL	C/N/P	Mandatory
Switch amount	Money	14	Switch amount		
Switch units	Money	8	Switch units		
All units flag	Varchar	1	All units flag	Y/N	Mandatory

Foliono	Varchar	20	Incase of a demat transaction this field will be blank and mandatory in case of physical redemption and physical purchase+additional		Non-mandatory
Remarks	Varchar	255	Kyc status of client		Non-mandatory
Kycstatus	Varchar	1	Internal referance number		Non-mandatory
Subbrocode	Varchar	20	Sub broker code		Non-mandatory
Euin	Varchar	20	Euin number		Mandatory
Euinval	Varchar	2	EUIN decleration	Y/N	Mandatory
Minredeem	Varchar	1	Minimum redemption flag	Y/N	Mandatory
Ipaddress	Varchar	20			
Password	Varchar	250	Encrypted password		Mandatory
Pass key	Varchar	10			
Param1 (sub broker arn)	Varchar	10	filler 1 will be used as sub broker arn code		Non-mandatory
Param2	Varchar	10			
Param3	Varchar	10			

Web Service SWITCH Order Request Response

The Method used for SWITCH Order Request Response is `switchOrderEntryParamResponse`

Parameter Name	Type	Length	Description	Sample Values
Transaction code	varchar	3	value will be same as value given in the request	NEW/CXL
Unique referance number	varchar	19	Unique referance number as given in the request	YYYYMMDD<usercode>000001
OrderID	bigint	8		
UserID	bigint	5	User ID which will be given by BSE	
MemberId	varchar	20	member code given by BSE	
ClientCode	varchar	20	Client code	
Success flag	varchar	1	BSE return remarks	
Bse remarks	varchar	1000	order success flag	

MUTUAL FUND ADDITIONAL SERVICES MESSAGE STRUCTURE

MUTUAL FUND ADDITIONAL SERVICES AUTHENTICATION MESSAGE STRUCTURE

NOTE : This section contains a SOAP Only service

In Addition to the Existing Order Routing Services additional Services are available through Web Services for the BSE StAR MF system for the Mutual Fund Platform

1.) **FATCA** via Webservices

2.) ~~**UCC MFI/MFD** — *Multi Bank* — via Webservices~~ Depreciated please use UCC API

3.) **Online Payment Gateway** via Webservices Depreciated Available for Legacy use

4.) **Change Password for Web Services ID and User IDs** via Webservices

5.) **Mandate Registration** via Webservices

6.) **STP/SWP Registration** via Webservices

7.) **Client Payment Status** via Webservices

8.) **CKYC** via Webservices

9.) **Mandate Status** via Webservices

10.)~~**Client SMS Authentication** via Webservices~~ Depreciated

11.)~~**Client Systematic Plan Authentication** via Webservices~~ Depreciated

Methods of online Payment Gateway Available as a selectable option

1.) Payment gateways - Direct mode

2.) Payment Gateways - Nodal mode

3.) One Time Mandate (OTM) for Lumpsum purchases in addition to SIPs

4.) Provision to put UTR number in case of NEFT / RTGS

The Web Service through which Additional services request and response can be facilitated is available at.

| URL | https://bsestarmfdemo.bseindia.com/MFUploadService/MFUploadService.svc |

MUTUAL FUND Additional Services Login Request

The Method used for MUTUAL FUND Additional Services Login Request is `getPassword`

Request parameters

Parameters	Type	Length	Sample Values	Mandatory
User ID	Varchar	20	12301	mandatory
Member ID	Varchar	20	123	mandatory
Password	Varchar	30	mf@abc	mandatory
Passkey	Varchar	10	abcdef1234	mandatory

MUTUAL FUND Additional Services Login Request Response

The Method used for MUTUAL FUND Additional Services Login Request Response is `getPassword`

Parameters	Type	Length	Remarks
Status Code	Varchar	3	100- Success
			101- Failure
Encrypted Password/Error Reason	Varchar	500	

Notes

1. The session Validity is only for 5 minutes
2. Member has to be Authenticated before sending any messages
3. Pass Key Validity can be Time based or One Time.
4. Member will have to enter the Web Service ID and password provided to them with a pass key (Alpha numeric with no special characters) each time they login.
5. Pass key can be different each time they login
6. Once user provides all the above / required details and submits it the Exchange, a response code will be sent to the member.
7. If the login is successful then response code "100" will be sent and also an encrypted password will be sent to the member.
8. If the login is not successful then response code "101" will be sent.
9. This encrypted password will be unique each time the member logins into BSE web service.
10. Member has to use this encrypted password whenever they punches the order.

MUTUAL FUND Additional Services Request

The Method used for MUTUAL FUND Additional Services Request is `MFAPI`

Parameters	Type	Length	Sample Values	Remarks
Flag	Varchar	2	01	FATCA UPLOAD
			~~02~~	~~UCC – MFD~~
			03	PAYMENT GATEWAY
			04	CHANGE PASSWORD
			~~05~~	~~UCC – MFI~~
			06	MANDATE REGISTRATION
			07	STP REGISTRATION
			08	SWP REGISTRATION
			09	STP CANCELLATION
			10	SWP CANCELLATION
			11	CLIENT ORDER PAYMENT STATUS
			~~12~~	~~CLIENT REDEMPTION SMS AUTHENTICATION~~
			13	CKYC UPLOAD
			~~15~~	~~SYSTEMATIC PLAN AUTHENTICATION~~
			~~16~~	~~ORDER REJECTION~~
User Id	Varchar	20		
Encrypted Password	Varchar	10		
Parameters		Max		

Crossed off APIs are no longer available

Notes

1. Member has to be Authenticated before sending any messages
2. The Flag Value sent denotes the Additional Service that is used.
3. The Value of the Parameters are different for each of the Additional Services Flag
4. The values of the Parameters and the details for their variable are as given below.
5. The Response of the request send are given separately in the next section.

All Values are to be sent as pipe separated (|) unless specified otherwise

Parameters	Type	Length	Sample Values
FATCA UPLOAD	Varchar	MAX	Pipe Separated Values as per File Structure
PAYMENT GATEWAY	Varchar	MAX	MemberCode|ClientCode|LogoutURL
CHANGE PASSWORD	Varchar	MAX	Old Password|newpassword|conf password
MANDATE REGISTRATION	Varchar	MAX	Pipe Separated Values as per Table Below
STP REGISTRATION	Varchar	MAX	Pipe Separated Values as per Table Below
SWP REGISTRATION	Varchar	MAX	Pipe Separated Values as per Table Below
STP CANCELLATION	Varchar	MAX	Pipe Separated Values as per Table Below
SWP CANCELLATION	Varchar	MAX	Pipe Separated Values as per Table Below
CLIENT ORDER PAYMENT STATUS	Varchar	MAX	ClientCode|OrderNo|Segment
~~CLIENT REDEMPTION SMS AUTHENTICATION~~	~~Varchar~~	~~MAX~~	~~MemberCode |ClientCode~~
CKYC UPLOAD	Varchar	MAX	Pipe Separated Values as per File Structure Document
~~SYSTEMATIC PLAN AUTHENTICATION (Registration/ Cancellation)~~	~~Varchar~~	~~MAX~~	~~Pipe Separated Values as per Table Below~~
ORDER REJECTION	Varchar	MAX	MemberCode|ClientCode| OrderNo|Settlement No

FATCA UPLOAD Structure

SR NO	FIELD DESCRIPTION	Field Type	M/O M- Mandatory O- Optional	Description
1	PAN_RP	Varchar(10)	M	PAN of the Reporting Person - Investor / Guardian - Mandatory
2	PEKRN	Varchar(10)	M [If PAN column in Null]	PAN Exempt KYC Ref No. of the Investor/Guardian - Mandatory if PAN is not provided
3	INV_NAME	Varchar(70)	M	Name of the Investor / Guardian - Mandatory
4	DOB	Date	M [if PAN is not provided]	Date of Birth
5	FR_NAME	Varchar(70)	M [if PAN is not provided]	
6	SP_NAME	Varchar(70)	M [if PAN is not provided]	
7	TAX_STATUS	Varchar(3)	M	Tax Status of the investor - Refer Tax Status Master
8	DATA_SRC	Varchar(3)	M	This is to indicated data sources whether it is obtained Electronically or through physical request; Values - 'E' / 'P'
9	ADDR_TYPE	Varchar(1)	M	1 - Residential or Business; 2 - Residential; 3 - Business; 4 - Registered Office; 5 - Unspecified
10	PO_BIR_INC	Varchar(60)	M	Applicable to Individuals/Non Individuals
11	CO_BIR_INC	Varchar(50)	M	Refer Country/Nationality master enclosed and provide values accordingly

				M	Refer Country/Nationality master enclosed and provide values accordingly
12	TAX_RES1	Varchar(50)			
13	TPIN1	Varchar(20)		M	Tax Payer Identification Number / other Equivalent Number
14	ID1_TYPE	Varchar(1)		M	Type of Identification document to be provided - Refer Identification Type master
15	TAX_RES2	Varchar(50)		M	Refer Country/Nationality master enclosed and provide values accordingly
16	TPIN2	Varchar(20)		M	Tax Payer Identification Number / other Equivalent Number
17	ID2_TYPE	Varchar(1)		M	Type of Identification document to be provided - Refer Identification Type master
18	TAX_RES3	Varchar(50)		M	Refer Country/Nationality master enclosed and provide values accordingly
19	TPIN3	Varchar(20)		M	Tax Payer Identification Number / other Equivalent Number
20	ID3_TYPE	Varchar(1)		M	Type of Identification document to be provided - Refer Identification Type master
21	TAX_RES4	Varchar(50)		M	Refer Country/Nationality master enclosed and provide values accordingly
22	TPIN4	Varchar(20)		M	Tax Payer Identification Number / other Equivalent Number

			M	Type of Identification document to be provided - Refer Identification Type master
23	ID4_TYPE	Varchar(1)		
24	SRCE_WEALT	Varchar(3)	M	Refer Source of wealth Sheet for values to be populated
25	CORP_SERVS	Varchar(2)	M for Non-Individuals	01 - Foreign Exchange / Money Changer Services 02 - Gaming / Gambling / Lottery Services [e.g. casinos, betting syndicates] 03 - Money laundering / Pawning 04 – to be blank if the same is not applicable
26	INC_SLAB	Varchar(5)	M	App_Income_code as indicated in the app_income master to be provided
27	NET_WORTH	Numeric (19,2)	M for Non-Individuals	Provide the net worth of the investor only if the same is Corporate Category [INR. In Lacs]
28	NW_DATE	Date	M for Non-Individuals	Provide the net worth of the investor
29	PEP_FLAG	Varchar(2)	M for Individuals	Values to be 'Y' if the investor is politically exposed person; 'N' if the investor is not; 'R' if the investor is a relative of the politically exposed person
30	OCC_CODE	Varchar(2)	M	Values to be provided as per the Occupation Master enclosed
31	OCC_TYPE	Varchar(1)	M	S - Service; B - Business, O - Others; X - Not Categorized
32	EXEMP_CODE	Varchar(2)	M for Non-Individuals	Provide the values as specified under 'Exemption Code' sheet
33	FFI_DRNFE	Varchar(20)	M for Non-Individuals	Values - FFI, DRNFE, NA
34	GIIN_NO	Varchar(19)	M for Non-Individuals	Applicable to FFI, DRNFE, NA

			O	Name of the Sponsoring Entity if GIIN_NO of Sponsoring Entity is given
35	SPR_ENTITY	Varchar(60)		
36	GIIN_NA	Varchar(3)	O	Value to be provided: AF - Applied for; NR - Not required to apply for; NO - Not obtained - Non-participating FI
37	GIIN_EXEMC	Varchar(2)	O	Refer GIIN_EXEMPT sheet and applicable codes to be populated
38	NFFE_CATG	Varchar(3)	O	L - Listed entity; RL - Related to listed entity; A-Active NFFE, P - Passive NFFE, NA - Not Applicable - for Non NFFE
39	ACT_NFE_SC	Varchar(3)	O	Refer sheet 'ACTIVE_NFE_SUB_CATG' and populate suitable values
40	NATURE_BUS	Varchar(30)	M if NFFE_CATG is 'A' or 'P'	Applicable for Active NFE & Passive NFE
41	REL_LISTED	Varchar(70)	O	Name of the Listed Company where Entity is its associate / related company
42	EXCH_NAME	Varchar(2)	M	B - BSE, N - NSE, O - Others
43	UBO_APPL	Varchar(2)	M	Values should be 'Y' / 'N'. Default - 'Y' for Entities for other than Listed Company / Group / Associate Company of the Listed Company / Company controlled by Listed Company
44	UBO_COUNT	Varchar(3)	M [if UBO_APPL is 'Y'	Provide the count of UBO, if the value is more than '1', then multiple rows to be provided as per the count i.e. if the count is 2, additional one row with same investor PAN and only UBO details will be different

45	UBO_NAME	Varchar(70)	M [if UBO_APPL is 'Y'	Name of the UBO
46	UBO_PAN	Varchar(10)	M / O [if UBO_TIN is not provided, this field is mandatory	PAN of UBO to be provided
47	UBO_NATION	Varchar(3)	M [if UBO_APPL is 'Y'	Refer Country/Nationality master enclosed and provide values accordingly
48	UBO_ADD1	Varchar(50)	M [if UBO_APPL is 'Y'	
49	UBO_ADD2	Varchar(50)	M [if UBO_APPL is 'Y'	
50	UBO_ADD3	Varchar(50)	M [if UBO_APPL is 'Y'	
51	UBO_CITY	Varchar(50)	M [if UBO_APPL is 'Y'	
52	UBO_PIN	Varchar(6)	M [if UBO_APPL is 'Y'	
53	UBO_STATE	Varchar(3)	M [if UBO_APPL is 'Y'	State Code to be provided as per the existing practice
54	UBO_CNTRY	Varchar(4)	M [if UBO_APPL is 'Y'	Refer Country/Nationality master enclosed and provide values accordingly
55	UBO_ADD_TY	Varchar(2)	M [if UBO_APPL is 'Y'	1 - Residential or Business; 2 - Residential; 3 - Business; 4 - Registered Office; 5 - Unspecified
56	UBO_CTR	Varchar(4)	M [if UBO_APPL is 'Y'	UBO's Country of Tax Residency - Refer Country/Nationality master enclosed and provide values accordingly

			M / O [if UBO_PAN is not provided, this field is mandatory]	UBO's Tax Payer Identification Number or any other relevant reference number
57	UBO_TIN	Varchar(20)		
58	UBO_ID_TY	Varchar(2)	M / O [if UBO_APPL is 'Y'	Refer Identification type master given
59	UBO_COB	Varchar(30)	M [if UBO_APPL is 'Y'	UBO Country of Birth
60	UBO_DOB	Date	O	UBO Date of Birth
61	UBO_GENDER	Varchar(1)	O	Value to be provided as 'M' or 'F' or 'O'
62	UBO_FR_NAM	Varchar(50)	O	UBO Father's name to be provided
63	UBO_OCC	Varchar(2)	O	As per Occupation List
64	UBO_OCC_TY	Varchar(2)	O	S - Service; B - Business, O - Others; X - Not Categorized - Refer Applicable Occupation Type for the relevant Occupation Codes under 'Occupation' sheet
65	UBO_TEL	Varchar(12)	O	UBO Telephone Number
66	UBO_MOBILE	Varchar(12)	O	UBO Mobile Number
67	UBO_CODE	Varchar(3)	M	Code as per master given in UBO_CODE sheet
68	UBO_HOL_PC	Varchar(3)	O	Should not be greater than 100 and less than 0
69	SDF_FLAG	Varchar(2)	M / O	This flag is to indicate whether Values - 'Y', 'N' - Default 'Y' for Entities; Optional for Individuals,
70	UBO_DF	Varchar(2)	M	Values - 'Y', 'N' - Default 'Y' for Entities and 'N' for Individuals
71	AADHAAR_RP	Varchar(30)	O	Aadhaar of the Reporting Person shall be provided

			M / O	N- New - This value should be updated for first time update by the channel distributors for the given PAN C- Change - This Value should be provided for change in already provided information if CP is aware of that this is change in the existing information In case of 'C', Channel should provide PAN_RP or PERKN, Status and applicable fields where change is required
72	NEW_CHANGE	Varchar(2)		
73	LOG_NAME	Varchar(30)	M / O	Mandatory if DATA_SRC is 'E' Eg. 196.15.16.107#23-Nov-15;16:4
74	FILLER1	Varchar(30)	O	These columns are added to meet future requirements but CP may provide any other related information in these columns
75	FILLER2	Varchar(30)	O	These columns are added to meet future requirements but CP may provide any other related information in these columns

Country Nationality

S No	Country Code	Country
1	AD	Andorra
2	AE	United Arab Emirates
3	AF	Afghanistan
4	AG	Antigua And Barbuda
5	AI	Anguilla

6	AL	Albania
7	AM	Armenia
8	AN	Netherlands Antilles
9	AO	Angola
10	AQ	Antarctica
11	AR	Argentina
12	AS	American Samoa
13	AT	Austria
14	AU	Australia
15	AW	Aruba
16	AX	Aland Islands
17	AZ	Azerbaijan
18	BA	Bosnia And Herzegovina
19	BB	Barbados
20	BD	Bangladesh
21	BE	Belgium
22	BF	Burkina Faso
23	BG	Bulgaria
24	BH	Bahrain
25	BI	Burundi
26	BJ	Benin
27	BL	Saint Barthelemy
28	BM	Bermuda
29	BN	Brunei Darussalam
30	BO	Bolivia
31	BQ	Bonaire, Sint Eustatius And Saba
32	BR	Brazil
33	BS	Bahamas
34	BT	Bhutan
35	BV	Bouvet Island
36	BW	Botswana
37	BY	Belarus
38	BZ	Belize
39	CA	Canada
40	CC	Cocos (Keeling) Islands
41	CD	Congo, The Democratic Republic Of The
42	CF	Central African Republic
43	CG	Congo
44	CH	Switzerland
45	CI	Côte D'ivoire
46	CK	Cook Islands

47	CL	Chile
48	CM	Cameroon
49	CN	China
50	CO	Colombia
51	CR	Costa Rica
52	CU	Cuba
53	CV	Cape Verde
54	CW	Curacao
55	CX	Christmas Island
56	CY	Cyprus
57	CZ	Czech Republic
58	DE	Germany
59	DJ	Djibouti
60	DK	Denmark
61	DM	Dominica
62	DO	Dominican Republic
63	DZ	Algeria
64	EC	Ecuador
65	EE	Estonia
66	EG	Egypt
67	EH	Western Sahara
68	ER	Eritrea
69	ES	Spain
70	ET	Ethiopia
71	FI	Finland
72	FJ	Fiji
73	FK	Falkland Islands (Malvinas)
74	FM	Micronesia, Federated States Of
75	FO	Faroe Islands
76	FR	France
77	GA	Gabon
78	GB	United Kingdom
79	GD	Grenada
80	GE	Georgia
81	GF	French Guiana
82	GG	Guernsey
83	GH	Ghana
84	GI	Gibraltar
85	GL	Greenland
86	GM	Gambia
87	GN	Guinea

88	GP	Guadeloupe
89	GQ	Equatorial Guinea
90	GR	Greece
91	GS	South Georgia And The South Sandwich Islands
92	GT	Guatemala
93	GU	Guam
94	GW	Guinea-Bissau
95	GY	Guyana
96	HK	Hong Kong
97	HM	Heard Island And McDonald Islands
98	HN	Honduras
99	HR	Croatia
100	HT	Haiti
101	HU	Hungary
102	ID	Indonesia
103	IE	Ireland
104	IL	Israel
105	IM	Isle Of Man
106	IN	India
107	IO	British Indian Ocean Territory
108	IQ	Iraq
109	IR	Iran, Islamic Republic Of
110	IS	Iceland
111	IT	Italy
112	JE	Jersey
113	JM	Jamaica
114	JO	Jordan
115	JP	Japan
116	KE	Kenya
117	KG	Kyrgyzstan
118	KH	Cambodia
119	KI	Kiribati
120	KM	Comoros
121	KN	Saint Kitts And Nevis
122	KP	Korea, Democratic People's Republic Of
123	KR	Korea, Republic Of
124	KW	Kuwait
125	KY	Cayman Islands
126	KZ	Kazakhstan
127	LA	Lao People's Democratic Republic

128	LB	Lebanon
129	LC	Saint Lucia
130	LI	Liechtenstein
131	LK	Sri Lanka
132	LR	Liberia
133	LS	Lesotho
134	LT	Lithuania
135	LU	Luxembourg
136	LV	Latvia
137	LY	Libyan Arab Jamahiriya
138	MA	Morocco
139	MC	Monaco
140	MD	Moldova, Republic Of
141	ME	Montenegro
142	MF	Saint Martin
143	MG	Madagascar
144	MH	Marshall Islands
145	MK	Macedonia, The Former Yugoslav Republic Of
146	ML	Mali
147	MM	Myanmar
148	MN	Mongolia
149	MO	Macao
150	MP	Northern Mariana Islands
151	MQ	Martinique
152	MR	Mauritania
153	MS	Montserrat
154	MT	Malta
155	MU	Mauritius
156	MV	Maldives
157	MW	Malawi
158	MX	Mexico
159	MY	Malaysia
160	MZ	Mozambique
161	NA	Namibia
162	NC	New Caledonia
163	NE	Niger
164	NF	Norfolk Island
165	NG	Nigeria
166	NI	Nicaragua
167	NL	Netherlands
168	NO	Norway

169	NP	Nepal
170	NR	Nauru
171	NU	Niue
172	NZ	New Zealand
173	OM	Oman
174	PA	Panama
175	PE	Peru
176	PF	French Polynesia
177	PG	Papua New Guinea
178	PH	Philippines
179	PK	Pakistan
180	PL	Poland
181	PM	Saint Pierre And Miquelon
182	PN	Pitcairn
183	PR	Puerto Rico
184	PS	Palestinian Territory, Occupied
185	PT	Portugal
186	PW	Palau
187	PY	Paraguay
188	QA	Qatar
189	RE	Reunion Island
190	RO	Romania
191	RS	Serbia
192	RU	Russian Federation
193	RW	Rwanda
194	SA	Saudi Arabia
195	SB	Solomon Islands
196	SC	Seychelles
197	SD	Sudan
198	SE	Sweden
199	SG	Singapore
200	SH	Saint Helena, Ascension And Tristan da Cunha
201	SI	Slovenia
202	SJ	Svalbard And Jan Mayen Islands
203	SK	Slovakia
204	SL	Sierra Leone
205	SM	San Marino
206	SN	Senegal
207	SO	Somalia
208	SR	Suriname
209	SS	South Sudan

210	ST	Sao Tome And Principe
211	SV	El Salvador
212	SX	Sint Maarten (Dutch Part)
213	SY	Syrian Arab Republic
214	SZ	Swaziland
215	TC	Turks And Caicos Islands
216	TD	Chad
217	TF	French Southern Territories
218	TG	Togo
219	TH	Thailand
220	TJ	Tajikistan
221	TK	Tokelau
222	TL	Timor-Leste
223	TM	Turkmenistan
224	TN	Tunisia
225	TO	Tonga
226	TR	Turkey
227	TT	Trinidad And Tobago
228	TV	Tuvalu
229	TW	Taiwan, Province Of China
230	TZ	Tanzania, United Republic Of
231	UA	Ukraine
232	UG	Uganda
233	UM	United States Minor Outlying Islands
234	US	United States
235	UY	Uruguay
236	UZ	Uzbekistan
237	VA	Vatican City State
238	VC	Saint Vincent And The Grenadines
239	VE	Venezuela, Bolivarian Republic Of
240	VG	Virgin Islands, British
241	VI	Virgin Islands, U.S.
242	VN	Viet Nam
243	VU	Vanuatu
244	WF	Wallis And Futuna
245	WS	Samoa
246	XX	Not categorised
247	YE	Yemen
248	YT	Mayotte
249	ZA	South Africa
250	ZM	Zambia

251	ZW	Zimbabwe
252	ZZ	Others

Source of Wealth

S No	Source	Source Code
1	Salary	01
2	Business Income	02
3	Gift	03
4	Ancestral Property	04
5	Rental Income	05
6	Prize Money	06
7	Royalty	07
8	Others	08

Tax Status

S No	Tax Code	Tax Status	Category
1	01	Individual	R - Retail
2	02	On Behalf Of Minor	R - Retail
3	03	HUF	R - Retail
4	04	Company	C - Corporate
5	05	AOP/BOI	C - Corporate
6	06	Partnership Firm	C - Corporate
7	07	Body Corporate	C - Corporate
8	08	Trust	C - Corporate
9	09	Society	C - Corporate
10	10	Others	C - Corporate
11	11	NRI-Others	R - Retail
12	12	Banks / Financial Institutions	C - Corporate
13	13	Sole Proprietorship	C - Corporate
14	14	Banks	C - Corporate
15	15	Association of Persons	C - Corporate
16	21	NRI - NRE (Repatriation)	R - Retail
17	22	Overseas Corporate Body	C - Corporate
18	23	Foreign Institutional Investor	C - Corporate
19	24	NRI - NRO [Non Repatriation]	R - Retail
20	25	Overseas Corporate Body-Others	C - Corporate

21	26	NRI - Minor (NRE)	R - Retail
22	27	NRI-HUF(NRO)	R - Retail
23	28	NRI - Minor (NRO)	R - Retail
24	29	NRI-HUF(NRE)	R - Retail
25	31	Providend Fund / EPF / PF Trust	C - Corporate
26	32	Superannuation	C - Corporate
27	33	Gratuity Fund	C - Corporate
28	34	Pension and Retirement Fund	C - Corporate
29	36	Mutual Funds FOF Schemes	C - Corporate
30	37	NPS Trust	C - Corporate
31	38	Global Development Network	C - Corporate
32	39	FCRA	C - Corporate
33	41	Qualified Foreign Investor-Individual	R - Retail
34	42	Qualified Foreign Investor-Minors	R - Retail
35	43	Qualified Foreign Investor-Corporate	C - Corporate
36	44	Qualified Foreign Investor-Pension Fund	C - Corporate
37	45	Qualified Foreign Investor-Hedge Funds	C - Corporate
38	46	Qualified Foreign Investor-Mutual Funds	C - Corporate
39	47	Limited Liability Partnership	C - Corporate
40	48	Non-Profit organization [NPO]	C - Corporate
41	51	Public Limited Company	C - Corporate
42	52	Private Limited Company	C - Corporate
43	53	Unlisted Company	C - Corporate
44	54	Mutual Funds	C - Corporate
45	55	FPI - Category I	C - Corporate
46	56	FPI - Category II	C - Corporate
47	57	FPI - Category III	C - Corporate
48	58	Financial Institutions	C - Corporate
49	59	Body of Individuals	C - Corporate
50	60	Insurance Company	C - Corporate
51	61	OCI - Repatriation	R - Retail
52	62	OCI - Non Repatriation	R - Retail
53	70	Person of Indian Origin [PIO]	R - Retail
54	72	Government Body	C - Corporate
55	73	Defence Establishment	C - Corporate
56	74	Non-Government Organisation [NGO]	C - Corporate
57	75	Artificial Juridical Person	C - Corporate
58	76	Trust - Liquidator	C - Corporate

Occupation

S No	Occupation	Occupation Code	Type
1	Business	01	Business
2	Service	02	Service
3	Professional	03	Service
4	Agriculturist	04	Service
5	Retired	05	Others
6	Housewife	06	Others
7	Student	07	Others
8	Others	08	Others
9	Doctor	09	Service
10	Private Sector Service	41	Service
11	Public Sector Service	42	Service
12	Forex Dealer	43	Business
13	Government Service	44	Service
14	Unknown / Not Applicable	99	Others

Applicant Income

S No	Income Code	Income
1	31	Below 1 Lakh
2	32	> 1 <=5 Lacs
3	33	>5 <=10 Lacs
4	34	>10 <= 25 Lacs
5	35	> 25 Lacs < = 1 Crore
6	36	Above 1 Crore

UBO Code

S No	UBO Code	UBO Detail
1	C01	CP of legal person-ownership
2	C02	CP of legal person-other means
3	C03	CP of legal person-senior managing official

4	C04	CP of legal arrangement-trust-settlor
5	C05	CP of legal arrangement-trust-trustee
6	C06	CP of legal arrangement-trust-protector
7	C07	CP of legal arrangement-trust-beneficiary
8	C08	CP of legal arrangement-trust-other
9	C09	CP of legal arrangement-trust-other-settlor equivalent
10	C10	CP of legal arrangement-trust-other-trustee-equivalent
11	C11	CP of legal arrangement-trust-other-protector equivalent
12	C12	CP of legal arrangement-trust-other-beneficiary-equivalent
13	C13	CP of legal arrangement-trust-other-other-equivalent
14	C14	Unknown

Identification Type

S No	Identification Code	Identification Type
1	A	Passport
2	B	Election ID Card
3	C	PAN Card
4	D	ID Card
5	E	Driving License
6	G	UIDIA / Aadhar letter
7	H	NREGA Job Card
8	O	Others
9	X	Not categorized
10	T	TIN [Tax Payer Identification Number]
11	C1	Company Identification Number
12	G1	US GIIN
13	E1	Global Entity Identification Number

State Code

S No	State Code	State Name
1	AN	Andaman & Nicobar
2	AP	Andhra Pradesh
3	AR	Arunachal Pradesh
4	AS	Assam
5	BR	Bihar
6	CH	Chandigarh
7	CG	Chattisgarh
8	DN	Dadra and Nagar Haveli
9	DD	Daman & Diu

10	DL	Delhi
11	GA	Goa
12	GJ	Gujarat
13	HR	Haryana
14	HP	Himachal Pradesh
15	JK	Jammu & Kashmir
16	JH	Jharkhand
17	KA	Karnataka
18	KL	Kerala
19	LD	Lakshadweep
20	MP	Madhya Pradesh
21	MH	Maharashtra
22	MN	Manipur
23	ML	Meghalaya
24	MZ	Mizoram
25	NL	Nagaland
26	OR	Orissa
27	PY	Pondicherry
28	PB	Punjab
29	RJ	Rajasthan
30	SK	Sikkim
31	TN	Tamil Nadu
32	TR	Tripura
33	UP	Uttar Pradesh
34	UA	Uttarakhand
35	WB	West Bengal
36	XX	Others

Exemption Code

S No	Exemption Code	Exemption Reason
1	A	An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)
2	B	The United States or any of its agencies or instrumentalities
3	C	A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities
4	D	A corporation the stock of which is regularly traded on one or more established securities markets, as described in Reg. section 1.1472-1(c)(1)(i)
5	E	A corporation that is a member of the same expanded affiliated group as a corporation described in Reg. section 1.1472-1(c)(1)(i)
6	F	A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state
7	G	A real estate investment trust
8	H	A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

9	I	A common trust fund as defined in section 584(a)
10	J	A bank as defined in section 581
11	K	A broker
12	L	A trust exempt from tax under section 664 or described in section 4947(a)(1)
13	M	A tax exempt trust under a section 403(b) plan or section 457(g) plan
14	N	Not Applicable

GIIN Exempt

S No	GIIN Exempt Code	GIIN Exempt Detail
1	1	Governmental Entity, International Organization or Central Bank
2	2	Treaty Qualified Retirement Fund; a Broad Participation Retirement Fund; a Narrow Participation Retirement Fund; or a Pension Fund of a Governmental Entity, International Organization or Central Bank
3	3	Non-public fund of the armed forces, an employees' state insurance fund, a gratuity fund or a provident fund
4	4	Entity is an Indian FI solely because it is an investment entity
5	5	Qualified credit card issuer
6	6	Investment Advisors, Investment Managers& Executing Brokers
7	7	Exempt collective investment vehicle
8	8	Trustee of an Indian Trust
9	9	FI with a local client base
10	10	Non-registering local banks
11	11	FFI with only Low-Value Accounts
12	12	Sponsored investment entity and controlled foreign corporation
13	13	Sponsored, Closely Held Investment Vehicle
14	14	Owner Documented FFI

S No	Active NFE Sub Category Code	Active NFE Sub Category Detail
1	01	Less than 50 percent of the NFE's gross income for the preceding financial yearis passive income and less than 50 percent of the assets held by theNFE during the preceding financial year are assets that produce or are held for the production of passive income;
2	02	The NFE is a Governmental Entity, an International Organization, a Central Bank , or an entity wholly owned by one or more of the foregoing;
3	03	Substantially all of the activities of the NFE consist of holding (in whole or in part) the outstanding stock of, or providing financing and services to, one or more subsidiaries that engage in trades or businesses other than the business of a Financial Institution, except that an entity shall not qualify for this status if the entity functions as an investment fund, such as a private equity fund, venture capital fund, leveraged buyout fund, or any investment vehicle whose purpose is to acquire or fund companies and then hold interests in those companies as capital assets for investment purposes;
4	04	The NFE is not yet operating a business and has no prior operating history, but is investing capital into assets with the intent to operate a business other than that of a Financial Institution, provided that the NFE shall not qualify for this exception after the date that is 24 months after the date of the initial organization of the NFE;
5	05	The NFE was not a Financial Institution in the past five years, and is in the process of liquidating its assets or is reorganizing with the intent to continue or recommence operations in a business other than that of a Financial Institution;
6	06	The NFE primarily engages in financing and hedging transactions with, or for, Related Entities that are not Financial Institutions, and does not provide financing or hedging services to any Entity that is not a Related Entity, provided that the group of any such Related Entities is primarily engaged in a business other than that of a Financial Institution;

| 7 | 07 | Any NFE that fulfills all of the following requirements:
* It is established and operated in India exclusively for religious, charitable, scientific, artistic, cultural, athletic, or educational purposes; or it is established and operated in India and it is a professional organization, business league, chamber of commerce, labor organization, agricultural or horticultural organization, civic league or an organization operated exclusively for the promotion of social welfare;
* It is exempt from income tax in India;
* It has no shareholders or members who have a proprietary or beneficial interest in its income or assets; The applicable laws of the NFE's country or territory of residence or the NFE's formation documents do not permit any income or assets of the NFE to be distributed to, or applied for the benefit of, a private person or non-charitable Entity other than pursuant to the conduct of the NFE's charitable activities, or as payment of reasonable compensation for services rendered, or as payment representing the fair market value of property which the NFE has purchased; and The applicable laws of the NFE's country or territory of residence or the NFE's formation documents require that, upon the NFE's liquidation or dissolution, all of its assets be distributed to a governmental entity or other non-profit organization, or escheat to the government of the NFE's country or territory of residence or any political subdivision thereof.
Explanation.- For the purpose of this sub-clause, the following shall be treated as fulfilling the criteria provided in the said sub-clause, namely:-
(I) an Investor Protection Fund referred to in clause (23EA);
(II) a Credit Guarantee Fund Trust for Small Industries referred to in clause 23EB; and
(III) an Investor Protection Fund referred to in clause (23EC), of section 10 of the Act; |

Mandatory Fields for Individual:-

- When PAN is available :-

Sr. Nos.	Name
1	PAN_RP
2	INV_NAME
3	TAX_STATUS
4	DATA_SRC
5	ADDR_TYPE
6	PO_BIR_INC
7	CO_BIR_INC
8	TAX_RES1
9	TPIN1
10	ID1_TYPE
11	SRCE_WEALT
12	INC_SLAB
13	PEP_FLAG
14	OCC_CODE
15	OCC_TYPE
16	EXCH_NAME
17	UBO_APPL
18	SDF_FLAG
19	UBO_DF
20	Log Name

- When PAN is not available:-

21	DOB
22	FR_NAME
23	SP_NAME

Mandatory Fields for Non-Individuals:-

Sr. No.	Name
1	PAN_RP
2	INV_NAME
3	TAX_STATUS
4	DATA_SRC

5	ADDR_TYPE
6	PO_BIR_INC
7	CO_BIR_INC
8	TAX_RES1
9	TPIN1
10	ID1_TYPE
11	SRCE_WEALT
12	CORP_SERVS
13	INC_SLAB
14	NET_WORTH
15	NW_DATE
16	PEP_FLAG
17	OCC_CODE
18	OCC_TYPE
19	EXEMP_CODE
20	FFI_DRNFE
21	NFFE_CATG
22	EXCH_NAME
23	UBO_APPL
24	SDF_FLAG
25	UBO_DF
26	NEW_CHANGE
27	LOG_NAME

Payment Gateway Values

Parameters	Type	Length
Membercode	Varchar	20
Clientcode	Varchar	10
Logout Url	Varchar	500

CHANGE PASSWORD

Parameters	Field Description	Values
OLD PASSWORD	Minimum	6
NEW PASSWORD	Maximum	14
CONF PASSWORD	Type	Alpha Numeric with one special character

UCC/CLIENT CREATION– MFI

Pipe Separated Values as per Section: UCC/ CLIENT MASTER UPLOAD (MFI) of the BSE StAR MF File Structure Document/ Web File Structure Document

MANDATE REGISTRATION

XSIP/ISIP Mandate: Member Type: MFI/MFD

Parameters	TYPE	Length	Sample	Mandatory/ Non Mandatory Fields	
				MFD	MFI
CLIENT CODE	VARCHAR	10		Yes	Yes
AMOUNT	MONEY			Yes	Yes
Mandate Type	CHAR	1	X / I /N (XSIP/ISIP/Net Banking)	Yes	Yes
ACCOUNT NO.	VARCHAR	20		Yes	Yes
A/C TYPE			SB/CB/NE/NO	Yes	Yes
IFSC CODE	VARCHAR	11		Yes	Yes
MICR CODE	VARCHAR	9		No	No
START DATE	DATE		DD/MM/YYYY	Yes	Yes
END DATE	DATE		DD/MM/YYYY Default date would be current date + 100 yrs.	Yes	Yes

STP REGISTRATION

Parameters	Type	Length	Sample
Client Code	**Varchar**	**10**	
From Bse Scheme Code	Varchar	20	
To Bse Scheme Code	Varchar	20	
Buy / Sell Type	Varchar	10	Fresh/Additional
Transaction Mode	Varchar	1	P- Physical
Folio Number	Varchar	15	
Internal Ref Number	Varchar	10	
Start Date	Date	10	
Frequency Type	Varchar	20	Weekly / Monthly / Quarterly
No Of Transfers	Int	8	

Installment Amount	Numeric	25,3	
First Order Today	Varchar	1	Y/N
Sub Broker Code	Varchar	15	
EUIN Declaration	Varchar	1	Y/N
EUIN Number	Varchar	7	
Remarks	Varchar	100	
Sub Broker - ARN	Varchar	20	

SWP REGISTRATION

Parameters	Type	Length	Sample
Client Code	Varchar	10	
Bse Scheme Code	Varchar	20	
Transaction Mode	Varchar	1	D- Demat, P- Physical
Folio Number	Varchar	15	
Internal Ref Number	Varchar	10	
Start Date	Date	10	
Number Of Withdrawls	Int	8	
Frequency Type	Varchar	20	Weekly / Monthly / Quarterly
Installment Amount	Numeric	25,3	
Installment Units	Numeric	25,3	
First Order Today	Varchar	1	Y/N
Sub Broker Code	Varchar	15	
EUIN Decleration	Varchar	1	Y/N
EUIN Number	Varchar	7	
Remarks	Varchar	100	
Sub Broker - Arn	Varchar	20	

STP CANCELLATION

Parameters	Type	Length	Sample
STP registration no	Varchar	8	
client code	Varchar	10	
remarks	Varchar	100	

SWP CANCELLATION

Parameters	Type	Length	Sample
SWP registration no	Varchar	8	
client code	Varchar	10	
remarks	Varchar	100	

CLIENT ORDER PAYMENT STATUS

Parameters	Type	Length	Sample
Client Code	Varchar	10	10178
Order No	BigInt		1815505
Segment	varchar	10	BSEMF- when MF Order is placed
			SGB- when SGB order is placed

CLIENT REDEMPTION SMS AUTHENTICATION

Particular	Type	Length
Membercode	Varchar	20
Clientcode	Varchar	10

CKYC UPLOAD

Pipe Separated Values as per Section: CKYC UPLOAD of the BSE StAR MF File Structure Document/ Web File Structure Document

SYSTEMATIC PLAN AUTHENTICATION (Registration/ Cancellation)

Parameters	Type	Length	Sample
Action	varchar	10	NEW/CXL
Member code	varchar	10	
Client code	varchar	10	
Logout URL	varchar	15	Optional

ORDER REJECTION

Parameters	Type	Length	Sample
member code	varchar	10	
Client code	varchar	10	
order no	bigint	10	
settlement no	varchar	7	

The Method used for MUTUAL FUND Additional Services Request Response is `MFAPI`

Parameters	Type	Length	Remarks
Status Code	Varchar	3	100- Success
			101- Failure
Response /Remarks	Varchar	1000	FATCA – Verbose Messages/ Error Reason
			UCC MFD– Verbose Messages/ Error Reason
			PYMT GTY – Payment Gateway Link
			CHNG PASS - – Verbose Messages/ Error Reason
			UCC MFI– Verbose Messages/ Error Reason
			MANDATE REGISTRATION – Verbose Messages *(Table Below)/* Error Reason
			STP REGISTRATION – Verbose Messages/ Error Reason
			SWP REGISTRATION – Verbose Messages/ Error Reason
			STP CANCELLATION – Verbose Messages/ Error Reason
			SWP CANCELLATION – Verbose Messages/ Error Reason
			CLIENT ORDER PAYMENT STATUS – Verbose Messages *(Table Below)/* Error Reason
			CLIENT REDEMPTION SMS– Authentication URL/ Error Reason
			CKYC UPLOAD– Verbose Messages/ Error Reason
			ORDER REJECTION – Verbose Messages/ Error Reason

MANDATE REGISTRATION RESPONSE

Mandate Registration ID is given in Verbose Message in case of Success.

For XSIP Mandate ID Mandate ID Length is less than 15 digits
For ISIP Mandate ID length = 15 digit and First *THREE* Char starts with '**BSE**' like '**BSE521824730118**'

CLIENT ORDER PAYMENT RESPONSE STATUS

Status Code	Response /Remarks
101	INVALID SEGMENT VALUE
101	INVALID ORDER NUMBER
101	INVALID ORDER NUMBER FOR GIVEN MEMBER
101	INVALID ORDER NUMBER FOR GIVEN CLIENT

100	PAYMENT NOT INITIATED FOR GIVEN ORDER
100	AWAITING FOR FUNDS CONFIRMATION (Mode)
100	APPROVED (Mode)
100	REJECTED (Mode)

ERROR MESSAGES	DESCRIPTION
INVALID USER ID	Incorrect Login ID
PASSWORD EXPIRED	Incorrect Passkey
PASSWORD EXPIRED	Incorrect User ID
INVALID PARAM STRING FORMAT	Request string is not proper format
MEMBER CODE MANDATORY	Blank member code
CLIENT CODE MANDATORY	Blank client code
INVALID MEMBER CODE	Incorrect member code
INVALID CLIENT CODE	Incorrect client code
INVALID ACTION CODE	Incorrect action code
INVALID PARAM STRING FORMAT	when the request string is not proper format
FAILED: INVALID STP REGISTRATION NUMBER	Wrong SWP registration number
FAILED: SWP ALREADY CANCELLED	SWP registration number which is already cancelled on the system
SWP CANCELLATION REQUEST ALREADY INITIATED	SWP registration number is used for which the cancellation is already initiated but authentication from the client is not received
FAILED: PAYMENT ALREADY RECIEVED FOR ORDER ID-	when the funds are already received for the given order no
FAILED: ORDER ALREADY MARKED AS INVALID FOR ORDER ID-	when the order is already invalid
FAILED: TIME EXCEEDED FOR PAYMENT REJECTION FOR ORDER ID-	when the order rejection time is exceeded for the given order
FAILED: ORDER CANCELLATION NOT ALLOWED ON	when the order cancellation is not allowed
FAILED: ORDER NOT FOUND	when the order that is passed is not availabe
FAILED: ORDER NOT FOUND FOR ORDER ID-	when the order that is passed is not availabe

MUTUAL FUND ENHANCED UCC REGISTRATION WEB SERVICE MESSAGE STRUCTURE

StAR MF Enhanced UCC Registration Structure API for MFI & MFD Members

URL	https://bsestarmfdemo.bseindia.com/StarMFCommonAPI/ClientMaster/Registration

StAR MF Enhanced UCC Registration Structure API for MFI & MFD Members

API Structure Details

Request Parameter : (JSON Format)

Parameter Name	Type	Length	Sample Values	Mandatory	JSON Name
UserId	Varchar	20		Mandatory	UserId
Member CODE	Varchar	20		Mandatory	MemberCode
Password	Varchar			Mandatory	Password
Registration type	Varchar	10	NEW/MOD	Mandatory	RegnType
Parameter	String			Mandatory	Param
Filler 1	Varchar	50		Non - mandatory	Filler1
Filler 2	Varchar	50		Non - mandatory	Filler2

Response Parameter : (JSON Format)

Parameter Name	Type	Length	Description	Sample values	JSON Name
STATUS flag	Varchar	10	Success flag	0 - Success & 1 - Failure	Status
BSE Remarks	Varchar	1000	Return Remarks	Verbose Messages	Remarks
Filler 1	Varchar	50			Filler1
Filler 2	Varchar	50			Filler2

MUTUAL FUND NEW ENHANCED UCC REGISTRATION WEBSERIVCE STRUCTURE

URL	https://bsestarmfdemo.bseindia.com/StarMFCommonAPI/ClientMaster/Registration

New Client Registration

Request Parameter (JSON Format)

```
{
        "UserId" : "1000001",
        "MemberCode" : "10000",
        "Password" : "@123456",
        "RegnType" : "NEW",
        "Param" : "T0001|FirstName||LastName|01|M|01/01/1970|01|SI|||||||||||||N||||AFEPK2130
F||||||||P|||||||SB|11415||HDFC0000001|Y|||||||||||||||||||||||FirstName LastName|01|ADD 1|AD
D 2|ADD 3|MUMBAI|MA|400001|INDIA|22721233||||test@test.com|P|||||||||||9999999999||||||||||
| |||||| ||K|||||||||||N||P|||||",
        "Filler1" : "",
        "Filler2" : ""
}
```

Response Parameter (JSON Format)

```
{
        "Status": "0",
        "Remarks": "CLIENT REGISTERED SUCCESSFULLY",
        "Filler1": "",
        "Filler2": ""
}
```

Request Parameter (JSON Format)

```
{
        "UserId" : "1000001",
        "MemberCode" : "10000",
        "Password" : "@123456",
        "RegnType" : "MOD",
        "Param" : "T0001|FirstName||LastName|01|M|01/01/1970|01|SI||||||||||||||N||||AFEPK2130
F|||||||P|||||||SB|11415||HDFC0000001|Y||||||||||||||||||||FirstName LastName|01|ADD 0|AD
D 2|ADD 3|MUMBAI|MA|400001|INDIA|22721233||||test@test.com|P|||||||||||9999999999||||||||||
| |||||| ||K|||||||||||||N||P|||||",
        "Filler1" : "",
        "Filler2" : ""
}
```

Response Parameter (JSON Format)

```
{
        "Status": "0",
        "Remarks": "CLIENT UPDATED SUCCESSFULLY",
        "Filler1": "",
        "Filler2": ""
}
```

MFI & MFD New Common Client Registration Parameter Structure

Sr. No.	Field Name	Mandatory	Remarks	Data Type	Field Length	Old Field Number		Old Field Name
						MFI	MFD	
1	Client Code (UCC)	Mandatory		char	10	1	1	CLIENT CODE
2	Primary Holder First Name	Mandatory		char		5	5	When Upgrading Old UCC to New UCC, Entire Name in old format i.e CLIENT APP. NAME 1 to be entered in Primary Holder First Name
3	Primary Holder Middle Name	Optional			70			
4	Primary Holder Last Name	Optional						
5	Tax Status	Mandatory	Refer Tax Status	char	2	3	3	CLIENT TAX STATUS
6	Gender	Conditional Mandatory	Mandatory for Individual and Minor clients M/F/O	char	1	9	9	CLIENT GENDER
7	Primary Holder DOB/Incorporation	Mandatory	DD/MM/YYYY	char	10	8	8	CLIENT DOB

8	Occupation Code	Mandatory	Refer Occupation Code	char	2	4	4	CLIENT OCCUPATION CODE
9	Holding Nature	Mandatory	Refer Holding (SI/ JO/ AS)	char	2	2	2	CLIENT HOLDING
10	Second Holder First Name	Conditional Mandatory	Mandatory if Mode of Holding JO/AS	char	70	6	6	CLIENT
11	Second Holder Middle Name	Optional						
12	Second Holder Last Name	Optional						
13	Third Holder First Name	Optional		char	70	7	7	
14	Third Holder Middle Name	Optional						
15	Third Holder Last Name	Optional						CLIENT APP. NAME 3
16	Second Holder DOB	Optional	DD/MM/YYYY	DATE	10	CKYC field (7)	CKYC field (7)	Joint Holder 1 DOB

17	Third Holder DOB	Optional	DD/MM/YYYY	DATE	10	CKYC field (8)	CKYC field (8)	Joint Holder 2 DOB
18	Guardian First Name	Conditional Mandatory	Mandatory for Minor Clients	char	120	10	10	
19	Guardian Middle Name	Optional		char				
20	Guardian Last Name	Optional		char				Guardian's Name
21	Guardian DOB	Optional	DD/MM/YYYY	DATE	10	CKYC field (9)	CKYC field (9)	Guardian CKYC DOB
22	Primary Holder PAN Exempt	Mandatory	Y/N	Varchar	1	NEW	NEW	NEW
23	Second Holder PAN Exempt	Mandatory	Y/N	Varchar	1	NEW	NEW	NEW
24	Third Holder PAN Exempt	Mandatory	Y/N	Varchar	1	NEW	NEW	NEW
25	Guardian PAN Exempt	Mandatory	Y/N	Varchar	1	NEW	NEW	NEW

26	Primary Holder PAN	Conditional Mandatory	Mandatory if Primary Holder PAN Exempt flag N.	char	10	11	11	CLIENT PAN
27	Second Holder PAN	Optional	Mandatory if Second HOlder PAN Exempt flag N.	char	10	42	61	CLIENT PAN2
28	Third Holder PAN	Optional	Mandatory if Third PAN Exempt flag N	char	10	43	62	CLIENT PAN3
29	Guardian PAN	Conditional Mandatory	Mandatory if Guardian PAN Exempt flag N.	char	10	14	14	CLIENT GUARDIAN PAN
30	Primary Holder-Exempt Category	Conditional Mandatory	Mandatory if PRIMARY Holder PAN Exempt flag Y. Refer PAN Exempt Category	Varchar	2	NEW	NEW	NEW
31	Second Holder Exempt Category	Conditional Mandatory	Mandatory if SECOND HOLDER PAN Exempt flag Y. Refer PAN Exempt Category	Varchar	2	NEW	NEW	NEW
32	Third Holder Exempt Category	Conditional Mandatory	Mandatory if THIRD HOLDER PAN Exempt flag Y. Refer PAN Exempt Category	Varchar	2	NEW	NEW	NEW

33	Guardian Exempt Category	Conditional Mandatory	Mandatory if Guardian PAN Exempt flag Y. Refer PAN Exempt Category	Varchar	2	NEW	NEW	NEW
34	Client Type	Mandatory	P / D (P- Physical /D- Demat)	Varchar	1	NEW	15	Client Type
35	PMS	Conditional Mandatory	Mandatory if client type D (Y/N)	CHAR	1	NEW	NA	NEW
36	Default DP	Conditional Mandatory	Mandatory if client type D (CDSL/NSDL)	char	4	15	16	CLIENT DEFAULT DP
37	CDSL DPID	Conditional Mandatory	Mandatory if Default DP is CDSL	char	8	16	17	CLIENT CDSL DP ID
38	CDSLCLTID	Conditional Mandatory	Mandatory if Default DP is CDSL	char	16	17	18	CLIENT CDSL CLIENT ID
39	CMBP Id	Conditional Mandatory	Mandatory if PMS Flag is 'Y' and client Default DP is NSDL	Number	16	NEW	NEW	NEW
40	NSDLDPID	Conditional Mandatory	Mandatory if Default DP if NSDL	char	8	18	19	CLIENT NSDL DP ID
41	NSDLCLTID	Conditional Mandatory	Mandatory if Default DP if NSDL	char	8	19	20	CLIENT NSDL CLIENT ID
42	Account Type 1	Mandatory	Refer Account Type	varchar	2	23	21	CLIENT ACC TYPE
43	Account No 1	Mandatory		varchar	40	24	22	CLIENT ACC NO

44	MICR No 1	Optional		varchar	9	25	23	CLIENT MICR NO
45	IFSC Code 1	Mandatory		varchar	11	26	24	CLIENT NEFT CODE
46	Default Bank Flag	Mandatory	Y/N	varchar	1	NA	25	Default bank flag
47	Account Type 2	Optional	Refer Account Type	varchar	2	NA	26	CLIENT ACC TYPE 2
48	Account No 2	Conditional Mandatory	Mandatory if Client Acctype 2 is available	varchar	40	NA	27	CLIENT ACC NO 2
49	MICR No 2	Optional		varchar	9	NA	28	CLIENT MICR NO 2
50	IFSC Code 2	Conditional Mandatory	Mandatory if Client Acctype 2 is available and MICR not available	varchar	11	NA	29	CLIENT NEFT/IFSC CODE 2
51	Default Bank Flag	Conditional Mandatory	Mandatory if Client Acctype 2 is available (Y/N)	varchar	1	NA	30	Default bank flag
52	Account type 3	Optional	Refer Account Type	varchar	2	NA	31	CLIENT ACC TYPE 3
53	Account No 3	Conditional Mandatory	Mandatory if Client Acctype 3 is available	varchar	40	NA	32	CLIENT ACC NO 3
54	MICR No 3	Optional		varchar	9	NA	33	CLIENT MICR NO 3
55	IFSC Code 3	Conditional Mandatory	Mandatory if Client Acctype 3 is available and MICR not available	varchar	11	NA	34	CLIENT NEFT/IFSC CODE 3

56	Default Bank Flag	Conditional Mandatory	Mandatory if Client Acctype 3 is available (Y/N)	varchar	1	NA	35	Default bank flag
57	Account type 4	Optional	Refer Account Type	varchar	2	NA	36	CLIENT ACC TYPE 4
58	Account No 4	Conditional Mandatory	Mandatory if Client Acctype 4 is available	varchar	40	NA	37	CLIENT ACC NO 4
59	MICR No 4	Optional		varchar	9	NA	38	CLIENT MICR NO 4
60	IFSC Code 4	Conditional Mandatory	Mandatory if Client Acctype 4 is available and MICR not available	varchar	11	NA	39	CLIENT NEFT/IFSC CODE 4
61	Default Bank Flag	Conditional Mandatory	Mandatory if Client Acctype 4 is available (Y/N)	varchar	1	NA	40	Default bank flag
62	Account type 5	Optional	Refer Account Type	varchar	2	NA	41	CLIENT ACC TYPE 5
63	Account No 5	Conditional Mandatory	Mandatory if Client Acctype 5 is available	varchar	40	NA	42	CLIENT ACC NO 5
64	MICR No 5	Optional		varchar	9	NA	43	CLIENT MICR NO 5
65	IFSC Code 5	Conditional Mandatory	Mandatory if Client Acctype 5 is available and MICR not available	varchar	11	NA	44	CLIENT NEFT/IFSC CODE 5
66	Default Bank Flag	Conditional Mandatory	Mandatory if Client Acctype 5 is available (Y/N)	varchar	1	NA	45	Default bank flag

67	Cheque name	Optional		varchar	35	27	46	CLIENT CHEQUE NAME
68	Div pay mode	Mandatory	01/02/03/04/05 Refer DIVPAYMODE	varchar	2	41	60	CLIENT DIV PAY MODE
69	Address 1	Conditional Mandatory	Not mandatory for NRI	varchar	40	28	47	CLIENT ADD 1
70	Address 2	Optional		varchar	40	29	48	CLIENT ADD 2
71	Address 3	Optional		varchar	40	30	49	CLIENT ADD 3
72	City	Mandatory	Not mandatory for NRI	varchar	35	31	50	CLIENT CITY
73	State	Mandatory	Not mandatory for NRI	varchar	2	32	51	CLIENT STATE
74	Pincode	Mandatory	Not mandatory for NRI	varchar	6	33	52	CLIENT PIN CODE
75	Country	Mandatory	Not mandatory for NRI	varchar	35	34	53	CLIENT COUNTRY
76	Resi. Phone	Optional	Not mandatory for NRI	varchar	15	35	54	CLIENT RESI PHONE
77	Resi. Fax	Optional	Not mandatory for NRI	varchar	15	36	55	CLIENT RESI FAX
78	Office Phone	Optional	Not mandatory for NRI	varchar	15	37	56	CLIENT OFFICE PHONE
79	Office Fax	Optional	Not mandatory for NRI	varchar	15	38	57	CLIENT OFFICE FAX
80	Email	Mandatory		varchar	50	39	58	CLIENT EMAIL

				varchar				CLIENT COMMUNICATION MODE
81	Communication Mode	Mandatory	P-Physical/E-Email/M-Mobile Refer Communication Mode	varchar	1	40	59	CLIENT COMMUNICATION MODE
82	Foreign Address 1	Conditional Mandatory	Mandatory for NRI, Except for Seafarer. Refer Tax Status	varchar	40	45	64	CM_FOREIGN ADD 1
83	Foreign Address 2	Optional		varchar	40	46	65	CM_ FOREIGN ADD 2
84	Foreign Address 3	Optional		varchar	40	47	66	CM_ FOREIGN ADD 3
85	Foreign Address City	Conditional Mandatory	Mandatory for NRI	varchar	35	48	67	CM_ FOREIGN CITY
86	Foreign Address Pincode	Conditional Mandatory	Mandatory for NRI	varchar	10	49	68	CM_ FOREIGN PIN CODE
87	Foreign Address State	Conditional Mandatory	Mandatory for NRI	varchar	35	50	69	CM_ FOREIGN STATE
88	Foreign Address Country	Conditional Mandatory	Mandatory for NRI	varchar	3	51	70	CM_ FOREIGN COUNTRY
89	Foreign Address Resi Phone	Optional		varchar	15	52	71	CM_ FOREIGN RESI PHONE
90	Foreign Address Fax	Optional		varchar	15	53	72	CM_ FOREIGN RESI FAX
91	Foreign Address Off. Phone	Optional		varchar	15	54	73	CM_ FOREIGN OFF PHONE

92	Foreign Address Off. Fax	Optional		varchar	15	55	74	CM_ FOREIGN OFF FAX
93	Indian Mobile No.	Mandatory		varchar	10		75	CM_MOBILE
94	Nominee 1 Name	Optional		varchar	40	12	12	CLIENT NOMINEE
95	Nominee 1 Relationship	Conditional Mandatory	Mandatory if client nominee available	varchar	40	13	13	CLIENT NOMINEE RELATION
96	Nominee 1 Applicable(%)	Conditional Mandatory	Mandatory if client nominee available	Number	5,2	NEW	NEW	NEW
97	Nominee 1 Minor Flag	Conditional Mandatory	Mandatory if client nominee available	Char	1	NEW	NEW	NEW
98	Nominee 1 DOB	Conditional Mandatory	Mandatory only if Nominee minor flag Y	Date		NEW	NEW	NEW
99	Nominee 1 Guardian	Conditional Mandatory	Mandatory if Nominee minor flag Y	Char	35	NEW	NEW	NEW
100	Nominee 2 Name	Optional		Char	40	NEW	NEW	NEW
101	Nominee 2 Relationship	Conditional Mandatory	Mandatory if Nominee 2 available	Char	40	NEW	NEW	NEW
102	Nominee 2 Applicable(%)	Conditional Mandatory	Mandatory if Nominee 2 available	Number	5,2	NEW	NEW	NEW

103	Nominee 2 DOB	Conditional Mandatory	Mandatory if Nominee 2 available DD/MM/YYYY	Date	10	NEW	NEW	NEW
104	Nominee 2 Minor Flag	Conditional Mandatory	Mandatory if Nominee 2 available	Varchar	1	NEW	NEW	NEW
105	Nominee 2 Guardian	Conditional Mandatory	Mandatory if Nominee 2 available	Char	35	NEW	NEW	NEW
106	Nominee 3 Name	Optional		Char	40	NEW	NEW	NEW
107	Nominee 3 Relationship	Conditional Mandatory	Mandatory if Nominee 3 available	Char	40	NEW	NEW	NEW
108	Nominee 3 Applicable(%)	Conditional Mandatory	Mandatory if Nominee 3 available	Number	5,2	NEW	NEW	NEW
109	Nominee 3 DOB	Conditional Mandatory	Mandatory if Nominee 3 available DD/MM/YYYY	Date	10	NEW	NEW	NEW
110	Nominee3 Minor Flag	Conditional Mandatory	Mandatory if Nominee 3 available	Varchar	1	NEW	NEW	NEW
111	Nominee3 Guardian	Conditional Mandatory	Mandatory if Nominee 3 available	Char	35	NEW	NEW	NEW

112	Primary Holder KYC Type	Mandatory	(K/C/B/E) (K - KRA Compliant C- CKYC Compliant B- BIOMETRIC KYC E- Aadhaar Ekyc PAN)	CHAR	1	CKYC field (10)	CKYC field (10)	KYC Type First Holder
113	Primary Holder CKYC Number	Conditional Mandatory	Mandatory if primary holder KYC type 'C'	Numeric	14	CKYC field (3)	CKYC field (3)	First Holder CKYC Number
114	Second Holder KYC Type	Optional	(K/C/B/E) (K - KRA Compliant C- CKYC Compliant B- BIOMETRIC KYC E- Aadhaar Ekyc PAN)	CHAR	1	CKYC field (11)	CKYC field (11)	KYC Type Second Holder
115	Second Holder CKYC Number	Conditional Mandatory	Mandatory if second holder KYC type 'C'	Numeric	14	CKYC field (4)	CKYC field (4)	Second holder CKYC Number
116	Third Holder KYC Type	Optional	(K/C/B/E) (K - KRA Compliant C- CKYC Compliant B- BIOMETRIC KYC E- Aadhaar Ekyc PAN)	CHAR	1	CKYC field (12)	CKYC field (12)	KYC Type Third Holder
117	Third Holder CKYC Number	Conditional Mandatory	Mandatory if third holder KYC type 'C'	Numeric	14	CKYC field (5)	CKYC field (5)	Third holder CKYC Number

118	Guardian KYC Type	Optional	(K/C/B/E) (K - KRA Compliant C- CKYC Compliant B- BIOMETRIC KYC E- Aadhaar Ekyc PAN)	CHAR	1	CKYC field (13)	CKYC field (13)	KYC Type Guardian
119	Guardian CKYC Number	Conditional Mandatory	Mandatory if Guardian KYC type 'C'	Numeric	14	CKYC field (6)	CKYC field (6)	Guardian CKYC Number
120	Primary Holder KRA Exempt Ref. No.	Conditional Mandatory	Mandatory if Primary Holder Pan Exempt	Varchar	10	NEW	NEW	NEW
121	Second Holder KRA Exempt Ref. No.	Conditional Mandatory	Mandatory if Second Holder Pan Exempt	Varchar	10	NEW	NEW	NEW
122	Third Holder KRA Exempt Ref. No	Conditional Mandatory	Mandatory if Third Holder Pan Exempt	Varchar	10	NEW	NEW	NEW
123	Guardian Exempt Ref. No	Conditional Mandatory	Mandatory if Guardian Pan Exempt	Varchar	10	NEW	NEW	NEW
124	Aadhaar Updated	Optional	Y/N	Char	1	NEW	NEW	NEW
125	Mapin Id.	Optional		varchar	16	44	63	MAPIN No.
126	Paperless_flag	Mandatory	Investor onboarding P- Paper/ Z- paperless	Char	1	NEW	NEW	NEW

127	LEI No	Optional	Mandatory for Non Individual & HUF for orders above Rs.50 crores	Varchar	20	NEW	NEW	NEW
128	LEI Validity	Conditional Mandatory	Mandatory if LEI No is given	Date	10	NEW	NEW	NEW
129	Filler 1							
130	Filler 2							
131	Filler 3							

NEW CLIENT Parameter Validations

ACCOUNT TYPE

Account Code	Description
SB	Savings Bank
CB	Current Bank
NE	NRE
NO	NRO

CLIENT HOLDING

CODE	DETAILS
SI	Single
JO	Joint
AS	Anyone or Survivor

DIVIDEND PAYMODE

CODE	Description
01	Cheque
02	Direct Credit
03	ECS
04	NEFT
05	RTGS

COMMUNICATION MODE

CODE	DETAILS
P	Physical
E	Electronic
M	MOBILE

TAX STATUS WITH ACCOUNT TYPE

Tax Code	Tax Name	Account Type
01	Individual	SB/CB
02	On behalf of minor	SB/CB
03	HUF	SB/CB
04	Company	CB
05	AOP	CB
06	Partnership Firm	CB
07	Body Corporate	CB
08	Trust	CB
09	Society	CB
10	Others	CB
11	NRI-Others	NE/NO
12	DIF	CB
13	Sole Proprietorship	SB/CB
21	NRE	NE
22	OCB	CB
23	FII	NE/NO
24	NRO	NO
25	Overseas Corp. Body - Others	NE/NO
26	NRI Child	NE/NO
27	NRI - HUF (NRO)	NO
28	NRI - Minor (NRO)	NO
29	NRI - HUF (NRE)	NE
31	Provident Fund	CB
32	Super Annuation Fund	CB
33	Gratuity Fund	CB
34	Pension Fund	CB
36	Mutual Funds FOF Schemes	CB
37	NPS Trust	CB
38	Global Development Network	NE/NO
39	FCRA	NE/NO

41	QFI - Individual	NE/NO
42	QFI - Minors	NE/NO
43	QFI - Corporate	CB
44	QFI - Pension Funds	CB
45	QFI - Hedge Funds	CB
46	QFI - Mutual Funds	CB
47	LLP	CB
48	Non-Profit organization [NPO]	CB
51	Public Limited Company	CB
52	Private Limited Company	CB
53	Unlisted Company	CB
54	Mutual Funds	CB
55	FPI - Category I	NE/NO
56	FPI - Category II	NE/NO
57	FPI - Category III	NE/NO
58	Financial Institutions	CB
59	Body of Individuals	CB
60	Insurance Company	CB
61	OCI - Repatriation	NE
62	OCI - Non Repatriation	NO
70	Person of Indian Origin	NE/NO
72	Government Body	CB
73	Defense Establishment	CB
74	Non - Government Organisation	CB
75	Bank/Co-Operative Bank	CB
76	Seafarer NRE	NE
77	Seafarer NRO	NO

TAX STATUS

Tax Code	Tax Name
01	Individual
02	On behalf of minor
03	HUF
04	Company
05	AOP
06	Partnership Firm
07	Body Corporate
08	Trust
09	Society
10	Others
11	NRI-Others
12	DFI
13	Sole Proprietorship
21	NRE
22	OCB
23	FII
24	NRO
25	Overseas Corp. Body - Others
26	NRI Child
27	NRI - HUF (NRO)
28	NRI - Minor (NRO)
29	NRI - HUF (NRE)
31	Provident Fund
32	Super Annuation Fund
33	Gratuity Fund
34	Pension Fund
36	Mutual Funds FOF Schemes
37	NPS Trust
38	Global Development Network
39	FCRA
41	QFI - Individual

42	QFI - Minors
43	QFI - Corporate
44	QFI - Pension Funds
45	QFI - Hedge Funds
46	QFI - Mutual Funds
47	LLP
48	Non-Profit organization [NPO]
51	Public Limited Company
52	Private Limited Company
53	Unlisted Company
54	Mutual Funds
55	FPI - Category I
56	FPI - Category II
57	FPI - Category III
58	Financial Institutions
59	Body of Individuals
60	Insurance Company
61	OCI - Repatriation
62	OCI - Non Repatriation
70	Person of Indian Origin
72	Government Body
73	Defense Establishment
74	Non - Government Organisation
75	Bank/Co-Operative Bank
76	Seafarer NRE
77	Seafarer NRO

OCCUPATION CODE

CODE	DETAILS
01	Business
02	Services
03	Professional
04	Agriculture
05	Retired
06	Housewife
07	Student
08	Others

PAN EXEMPT CATEGORY

Category	Description
01	SIKKIM Resident
02	Transactions carried out on behalf of STATE GOVT
03	Transactions carried out on behalf of CENTRAL GOVT
04	COURT APPOINTED OFFICIALS
05	UN Entity/Multilateral agency exempt from paying tax in India
06	Official Liquidator
07	Court Receiver
08	Investment in Mutual Funds Upto Rs. 50,000/- p.a. including SIP

COUNTRY CODE

Code	Country name
001	Afghanistan
002	Aland Islands
003	Albania
004	Algeria
005	American Samoa
006	Andorra
007	Angola
008	Anguilla
009	Antarctica
010	Antigua And Barbuda
011	Argentina
012	Armenia
013	Aruba
014	Australia
015	Austria
016	Azerbaijan
017	Bahamas
018	Bahrain
019	Bangladesh
020	Barbados
021	Belarus
022	Belgium
023	Belize
024	Benin
025	Bermuda
026	Bhutan
027	Bolivia
028	Bosnia And Herzegovina
029	Botswana
030	Bouvet Island

031	Brazil
032	British Indian Ocean Territory
033	Brunei Darussalam
034	Bulgaria
035	Burkina Faso
036	Burundi
037	Cambodia
038	Cameroon
039	Canada
040	Cape Verde
041	Cayman Islands
042	Central African Republic
043	Chad
044	Chile
045	China
046	Christmas Island
047	Cocos (Keeling) Islands
048	Colombia
049	Comoros
050	Congo
051	Congo, The Democratic Republic Of The
052	Cook Islands
053	Costa Rica
054	Cote DIvoire
055	Croatia
056	Cuba
057	Cyprus
058	Czech Republic
059	Denmark
060	Djibouti
061	Dominica
062	Dominican Republic
063	Ecuador
064	Egypt
065	El Salvador

066	Equatorial Guinea
067	Eritrea
068	Estonia
069	Ethiopia
070	Falkland Islands (Malvinas)
071	Faroe Islands
072	Fiji
073	Finland
074	France
075	French Guiana
076	French Polynesia
077	French Southern Territories
078	Gabon
079	Gambia
080	Georgia
081	Germany
082	Ghana
083	Gibraltar
084	Greece
085	Greenland
086	Grenada
087	Guadeloupe
088	Guam
089	Guatemala
090	Guernsey
091	Guinea
092	Guinea-Bissau
093	Guyana
094	Haiti
095	Heard Island And Mcdonald Islands
096	Holy See (Vatican City State)
097	Honduras
098	Hong Kong
099	Hungary
100	Iceland

101	India
102	Indonesia
103	Iran, Islamic Republic Of
104	Iraq
105	Ireland
106	Isle Of Man
107	Israel
108	Italy
109	Jamaica
110	Japan
111	Jersey
112	Jordan
113	Kazakhstan
114	Kenya
115	Kiribati
116	Korea, Democratic Peoples Republic Of
117	Korea, Republic Of
118	Kuwait
119	Kyrgyzstan
120	Lao Peoples Democratic Republic
121	Latvia
122	Lebanon
123	Lesotho
124	Liberia
125	Libyan Arab Jamahiriya
126	Liechtenstein
127	Lithuania
128	Luxembourg
129	Macao
130	Macedonia, The Former Yugoslav Republic Of
131	Madagascar
132	Malawi
133	Malaysia
134	Maldives
135	Mali

136	Malta
137	Marshall Islands
138	Martinique
139	Mauritania
140	Mauritius
141	Mayotte
142	Mexico
143	Micronesia, Federated States Of
144	Moldova, Republic Of
145	Monaco
146	Mongolia
147	Montserrat
148	Morocco
149	Mozambique
150	Myanmar
151	Namibia
152	Nauru
153	Nepal
154	Netherlands
155	Netherlands Antilles
156	New Caledonia
157	New Zealand
158	Nicaragua
159	Niger
160	Nigeria
161	Niue
162	Norfolk Island
163	Northern Mariana Islands
164	Norway
165	Oman
166	Pakistan
167	Palau
168	Palestinian Territory, Occupied
169	Panama
170	Papua New Guinea

171	Paraguay
172	Peru
173	Philippines
174	Pitcairn
175	Poland
176	Portugal
177	Puerto Rico
178	Qatar
179	Reunion
180	Romania
181	Russian Federation
182	Rwanda
183	Saint Helena
184	Saint Kitts And Nevis
185	Saint Lucia
186	Saint Pierre And Miquelon
187	Saint Vincent And The Grenadines
188	Samoa
189	San Marino
190	Sao Tome And Principe
191	Saudi Arabia
192	Senegal
193	Serbia And Montenegro
194	Seychelles
195	Sierra Leone
196	Singapore
197	Slovakia
198	Slovenia
199	Solomon Islands
200	Somalia
201	South Africa
202	South Georgia And The South Sandwich Islands
203	Spain
204	Sri Lanka
205	Sudan

206	Suriname
207	Svalbard And Jan Mayen
208	Swaziland
209	Sweden
210	Switzerland
211	Syrian Arab Republic
212	Taiwan, Province Of China
213	Tajikistan
214	Tanzania, United Republic Of
215	Thailand
216	Timor-Leste
217	Togo
218	Tokelau
219	Tonga
220	Trinidad And Tobago
221	Tunisia
222	Turkey
223	Turkmenistan
224	Turks And Caicos Islands
225	Tuvalu
226	Uganda
227	Ukraine
228	United Arab Emirates
229	United Kingdom
230	United States of America
231	United States Minor Outlying Islands
232	Uruguay
233	Uzbekistan
234	Vanuatu
235	Venezuela
236	Viet Nam
237	Virgin Islands, British
238	Virgin Islands, U.S.
239	Wallis And Futuna
240	Western Sahara

241	Yemen
242	Zambia
243	Zimbabwe

STATES

CODE	STATE
AN	Andaman & Nicobar
AR	Arunachal Pradesh
AP	Andhra Pradesh
AS	Assam
BH	Bihar
CH	Chandigarh
CG	Chhattisgarh
GO	GOA
GU	Gujarat
HA	Haryana
HP	Himachal Pradesh
JM	Jammu & Kashmir
JK	Jharkhand
KA	Karnataka
KE	Kerala
MP	Madhya Pradesh
MA	Maharashtra
MN	Manipur
ME	Meghalaya
MI	Mizoram
NA	Nagaland
ND	New Delhi
OR	Orissa
PO	Pondicherry

PU	Punjab
RA	Rajasthan
SI	Sikkim
TG	Telengana
TN	Tamil Nadu
TR	Tripura
UP	Uttar Pradesh
UC	Uttaranchal
WB	West Bengal
DN	Dadra and Nagar Haveli
DD	Daman and Diu
LD	Lakshadweep
OH	Others

MUTUAL FUND AOF IMAGE UPLOAD WEB SERVICES MESSAGE STRUCTURE

MUTUAL FUND AOF IMAGE UPLOAD WEB SERVICES MESSAGE STRUCTURE

The Mutual Fund Image Upload Web Service is available to upload the Account opening Form Image as per format which has been provided in the Exchange Notice for the Members.

The Web Service through which Image Upload Web services request and response can be facilitated is available at.

| URL | https://bsestarmfdemo.bseindia.com/StarMFFileUploadService/StarMFFileUploadService.svc |

MUTUAL FUND AOF Image Upload Services Login Request

The Method used for MUTUAL FUND Image Upload Login Request is getPassword

Request parameters

Parameters	Type	Length	Sample Values	Mandatory
User ID	Varchar	20	12301	mandatory
Member ID	Varchar	20	123	mandatory
Password	Varchar	30	mf@abc	mandatory
Passkey	Varchar	10	abcdef1234	mandatory

GetPassword

A. Rest

  a.   Request parameter In Rest
: {"UserId":"9999901","MemberId":"99999","Password":"@12345"}

  b.   Response :
: {"Filler":null,"ResponseString":"wDNn3SYDFo5xVDKIMeBhZxpiFrn++A8JbTarS\/5e3ogmBX7vJPGDtA==","Status":"100"}

B. SOAP

  a. Request Parameter In SOAP " : PasswordRequest(dataContart)

  b. Response : Response (dataContart)

MUTUAL FUND AOF Image Upload Login Request Response

The Method used for MUTUAL FUND Image Upload Login Request Response is `getPassword`

Parameters	Type	Length	Remarks
Status Code	Varchar	3	100- Success
			101- Failure
Encrypted Password/Error Reason	Varchar	500	

Notes

1. Member has to be Authenticated before sending any messages
2. Pass Key Validity can be Time based or One Time.
3. Member will have to enter the Web Service ID and password provided to them with a pass key (Alpha numeric with no special characters) each time they login.
4. Pass key can be different each time they login
5. Once user provides all the above / required details and submits it the Exchange, a response code will be sent to the member.
6. If the login is successful then response code "100" will be sent and also an encrypted password will be sent to the member.
7. If the login is not successful then response code "101" will be sent.
8. This encrypted password will be unique each time the member logins into BSE web service.
9. Member has to use this encrypted password whenever they punches the order.

MUTUAL FUND Image Upload Services Request

The Method used for MUTUAL FUND Image Upload Request is `UploadFile`

Parameters	Field Type	Length	Remarks
Flag	Varchar	10	At Present Only UCC Will Come Here
User Id	Varchar	20	Login Id
Encrypted Password	Varchar	10	
Member Code	Varchar	20	Member Code
Client Code	Varchar	10	Client Code
File Name	Varchar	20	Image Name
Document Type	Varchar	3	Nrm/Ria
Filebytes	Byte Array		Image
Filler 1			
Filler 2			

UploadFile :

A. Rest

    a.   Request parameter In Rest : {"Flag":"UCC", "UserId" : "123", "EncryptedPassword"= "sfgdfdfgsdfsd", "MemberCode"= "123", "ClientCode":"ABC","""FileName":"abc.tiff", "DocumentType"="", "pFileBytes":"", "Filler1":"Null", "Filler2":,"NULL"}

    b.   Response : : {"Filler":null,"ResponseString":"File Uploaded Sucessfully","Status":"100"}

B. SOAP

    a. Request Parameter In SOAP " : FileData(dataContart)

    b. Response : Response (dataContart)

MUTUAL FUND Image Upload Notice/ Naming Convention

The Image should contain the Account Opening Details, Further details are provided in the Notice.

URL:https://www.bseindia.com/markets/MarketInfo/DispNewNoticesCirculars.aspx?page=2016 0606-8

Notice Details

In order to provide ease to MFIs/MFDs, the Exchange is pleased to provide the following facilities:

I) Auto Filled AOF Download

MFIs/MFDs are given the provision to download Auto Filled Account Opening Form (AOF) in pdf. The details shall be taken from the Client Master and shall be prepopulated in the AOF Form.

The provision to download Auto Filled Account Opening Form (AOF) in pdf format is available on BSE StAR MF Platform in the following link :

Admin – AOF Download

ii)   Online Image upload facility

The images as a one-time process to be uploaded for all the Holders either at the Client Registration level or at the time of order placement on T day before 4:30 pm. The BSE StAR MF Platform shall automatically create the relevant files for all RTAs.

The provision to image upload is available on BSE StAR MF Platform in the following link :

Admin – Image Upload

The Client Code to be entered and the other details such as Client Name and Pan Number shall be auto populated.

The format for image upload is : MemberCodeClientcodeDDMMYYYY.TIFF

Eg. Member code is 10000, Client code is 123456 and Date 3rd June 2016

       Then the tiff file name should be 1000012345603062016.tiff

The Report for all the images uploaded is available in the following link :

Daily Downloads – New Reports – Image Upload Report .

MUTUAL FUND SCAN IMAGE UPLOAD WEB SERVICES MESSAGE STRUCTURE

MUTUAL FUND SCAN MANDATE IMAGE UPLOAD WEB SERVICES MESSAGE STRUCTURE

The Mutual Fund Scan Mandate Image Upload Web Service is available to upload the Image as per format which has been provided in the Exchange Notice for the Members.

The Web Service through which Image Upload Web services request and response can be facilitated is available at.

URL	https://bsestarmfdemo.bseindia.com/StarMFFileUploadService/StarMFFileUploadService.svc

MUTUAL FUND SCAN MANDATE IMAGE UPLOAD Services Login Request

The Method used for MUTUAL FUND SCAN MANDATE IMAGE UPLOAD Services Request is `PasswordRequest`

Request parameters

Parameters	Type	Length
User id	Varchar	20
Memberid	Varchar	20
Password	Varchar	30

MUTUAL FUND SCAN MANDATE IMAGE UPLOAD Services Login Request Response

Parameters	Type	Length	Remarks
Filler	Varchar	100	
Status code	Varchar	3	100- success
			101- failure
Encrypted password/error reason	Varchar	500	

MUTUAL FUND SCAN MANDATE IMAGE UPLOAD Services Login Request/Response Sample

Request Parameter: (JSON Format)

```
{
  "UserId": "9999901",
  "MemberId": "99999",
  "Password": "@1234",
}
```

Response (JSON Format)

```
{
  "Filler": null,
  "ResponseString": "ScGpdNmUHi5rA5PitbWz3lpDbIGAVSlnIEOuzCXppiza3HyKXCv10A=="
  "Status": "100"
}
```

MUTUAL FUND SCAN MANDATE IMAGE UPLOAD SERVICES WEB SERVICES MESSAGE STRUCTURE

MUTUAL FUND SCAN MANDATE IMAGE UPLOAD Services Request

The Method used for MUTUAL FUND SCAN MANDATE IMAGE UPLOAD Services Request is `MandateScanFileData`

Parameters	Type	Length	Remarks
Flag			SCAN_MANDATE
Member code	Varchar	20	
Client code	Varchar	10	
Mandate ID	Varchar	20	
Imagename	Varchar	100	
Mandate type	Varchar	5	XSIP
Image type	Varchar	11	
Encrypted password		500	
Pfilebytes			
Filler1 (Utility Code)	Varchar	500	
Filler2 (Agency Code)	Varchar	500	

Values for Utility Code & Sponsor Bank Code

Utility Code	Agency Code
YESB00709000028661	FINLOGIC

MUTUAL FUND SCAN MANDATE IMAGE UPLOAD Services Request Response

Parameters	Type	Length	Remarks
Response string			Bank page in html format
Status code	Varchar	3	100- success
			101- failure
Filler		100	

MUTUAL FUND SCAN MANDATE IMAGE UPLOAD Services Service Request/Response Sample

Request Parameter: (JSON Format)

```
{
        "Flag":"SCAN_Mandate",
         "MemberCode":"99999",
         "ClientCode": "465",
         "MandateId": "292340",
         "ImageName": "292340.tiff" OR  "292340.jpeg",
         "MandateType": "XSP",
         "ImageType": "image/tiff" OR "image/jpeg",
         "EncryptedPassword":
    "wDNn3SYDFo5xVDKIMeBhZ7k41WoKvnfmrhY77rWehD1SA8etG0rdxA==",
         "pFileBytes": "",
         "Filler1": " YESB00709000028661",
         "Filler2": " FINLOGIC "
}
```

Response (JSON Format)

```
{
        "ResponseString": "File Uploaded Successfully ",
        "Status": "100"                              ( 100 : Success , 101 : Failure)
        "FILLER":NULL
}
```

MUTUAL FUND Scan Image Upload Notice for Naming Convention & Format

The Notice contains the Image Naming Convention & format.

URL:
https://www.bseindia.com/markets/MarketInfo/DispNewNoticesCirculars.aspx?page=20180215-14

Notice Details

This is with reference to our Notice No. 20140514-3 dated May 14, 2014 on Launch of XSIP facility on BSEStAR MF and Notice No. 20151130-25 dated November 30, 2015 on Introduction of new NACH/ECS Mandate Form for XSIP Facility, wherein the process of Mandate Registration was explained. The Exchange is pleased to inform about the introduction of Scan-Mandate on BSE StAR MF platform for MFIs/MFDs/RIAs. This facility shall be made available with effect from Feb 15, 2018. Members must ensure that the mandate has to be scanned as per the following specification, else, it may get rejected by the NPCI.

Path: Systematic Investment >> Mandate >> Scan Mandate Upload

- Naming convention of the file format:

"Mandateid"

    E.g. 662255

- The mandate has to be as per NPCI's format i.e**. 8" * 3 2/3"**.
- It is mandatory to restrict the mandate size/format to below mentioned specification:

A) TIFF Image

- The Image should be in black & white.
- The Image should be in TIFF Format
- DPI for the Image is 200
- The Image size is less than 30kb for TIFF

B) JPEG Image

- The Image should be in grayscale.
- The Image should be in JPEG Format.
- DPI for the Image should be 100.
- The Image size is less than 30kb for JPEG.

Members must also ensure that the mandate has to be processed either in PHYSICAL OR in SCAN MODE. E.g. If the mandate Number 12345 is already given as SCAN MANDATE, it cannot be given again in PHYSICAL MODE and vice versa.

MUTUAL FUND DIRECT PAYMENT GATEWAY REQUEST AND RESPONSE SERVICES MESSAGE STRUCTURE

MUTUAL FUND DIRECT PAYMENT GATEWAY MESSAGE STRUCTURE

<u>This API has been superseded by the Single Payment API and is available for legacy use only</u>

In Addition to the Existing Payment Gateway Services the exchange provides the facility in which the member/ vendor allow his Clients to directly select the orders and Bank Details and access the Bank Payment Gateway from their application itself.

The Web Service through which Direct Bank Payment Gateway request and response can be facilitated is available at.

URL	https://bsestarmfdemo.bseindia.com/StarMFPaymentGatewayService/StarMFPaymentGatewayService.svc

Description:

- Login details:
  - Login id
  - Member id
  - Password
  - Passkey
- Order\payment details
  - Member code
  - Client code
  - Mode of payment
  - Bank ID
  - Account number
  - IFSC
  - Order number(s)
  - Total amount
  - Logout url

❖ Mode of payment and bank ID is available as a bank mapping table.

❖ IF there are multiple order for a client then the order numbers can be sent in either of the two format:

- **Plain Text** - If given in plane text then the multiple order numbers can be given in one row only with splitter.
- **JSON** - If given in JSON format then order numbers can be passed in array

Sample structure

Plain Text:

Member code| client code| mode of payment|Bank ID| account number| IFSC| order number1, order number 2, order number 3|logout URL

JSON:

Member code =""

Client code =""

Mode of payment = ""

Bank id = ""

Account number = ""

IFSC = ""

Order number(s) = {order number 1, order number 2, order number 3}

Logout URL = ""

DIRECT PAYMENT GATEWAY Authentication

MUTUAL FUND DIRECT PAYMENT GATEWAY Authentication Request

Request parameters

Parameters	Type	Length	Sample Values	Mandatory
Web Service Id	Varchar	20	12301	mandatory
Memberid	Varchar	20	123	mandatory
Password	Varchar	30	mf@abc	mandatory
Passkey	Varchar	20	abcdef1234	mandatory

MUTUAL FUND DIRECT PAYMENT GATEWAY Authentication Response Response

Parameters	Type	Length	Remarks
Filler	Varchar	100	
Authentication Success Code	Varchar	3	100- Success
			101- Failure
Encrypted Password/Error Reason	Varchar	500	

Notes

1. Member has to be Authenticated before sending any messages
2. Pass Key Validity can be Time based or One Time.
3. Member will have to enter the Web Service ID and password provided to them with a pass key (Alpha numeric with no special characters) each time they login.
4. Pass key can be different each time they login
5. Once the member provides all the above / required details and clicks on the submit button, a response code will be sent to the user.
6. If the login is successful then response code "100" will be sent and also an encrypted password will be sent to the user.
7. If the login is not successful then response code "101" will be sent.
8. This encrypted password will be unique each time the member logins into BSE web service.
9. Member has to use this encrypted password whenever places request for Additional Services.

DIRECT PAYMENT GATEWAY URL Request

MUTUAL FUND DIRECT PAYMENT GATEWAY URL Request

Parameters	Type	Length	Remarks
Member Code	varchar	20	
Client Code	varchar	10	
Mode Of Payment	varchar	10	DIRECT/NODAL
Bank Id	varchar	5	
Account Number	varchar	20	
IFSC	varchar	11	
Order Number(s)	varchar		
Total Amount	MONEY		
Logout Url	varchar	1000	

MUTUAL FUND DIRECT PAYMENT GATEWAY URL Request Response

Parameters	Type	Length	Remarks
FILLER		100	
Response String			Bank Page in HTML format
Status Code	varchar	3	100- success
			101- failure

ERROR CODES

PARAMETERS	DESCRIPTION
INVALID PAYMENT MODE	when user passes values other than "DIRECT/NODAL" in mode column
PASSWORD EXPIRED	when user passes wrong encrypted password or when user passes the encrypted password which was generated for last session
INVALID MEMBER CODE	when user passes wrong member code
INVALID CLIENT CODE	when user passes wrong client code
INVALID CLIENT ACCOUNT NUMBER	when user passes wrong account number i.e. the same is not match with client master
SELECT AT LEAST ONE ORDER	when user doesn't select any order number for payment
INVALID ORDER NUMBER	when user passes the wrong order number or that order number that is not associated to client for which the payment has to be initiated
INVALID TOTAL ORDER AMOUNT	when the amount doesn't match with the total amount of the orders that are sent
ORDER NUMBER ALLREADY INITIATED	when user passes the order number for whim the payment has already been initiated
PAYMENT DONE FOR THIS ORDER NUMBER	when user passes the order number for whim the payment has already been done
INVALID LOGOUT URL FORMAT	when user passes the invalid urn format
INVALID ENCRYPTED PASSWORD	when user passes wrong encrypted password or when user passes the encrypted password which was generated for last session

MUTUAL FUND CHILD ORDER
WEB SERVICES MESSAGE STRUCTURE

MUTUAL FUND CHILD ORDER WEB SERVICES MESSAGE STRUCTURE

The Mutual Fund Child Order Web Service is available to fetch the orders details generated as installments for the SIP/XSIP/ISIP/STP/SWP order types using the Child Order Service for the Members.

The Web Service through which Child Order Web services request and response can be facilitated is available at.

URL	https://bsestarmfdemo.bseindia.com/StarMFWebService/StarMFWebService.svc

MUTUAL FUND Child Order Services Login Request

The Method used for MUTUAL FUND Child Order Login Request is `GetPasswordForChildOrder > PasswordRequest`

Request parameters

Parameters	Type	Length	Sample Values	Mandatory
User ID	Varchar	20	12301	mandatory
Member ID	Varchar	20	123	mandatory
Password	Varchar	30	mf@abc	mandatory
Passkey	Varchar	10	abcdef1234	mandatory

GetPassword

A   Request Parameter: (JSON Format)
```
{
"UserId": "457",
"MemberId": "99999",
"Password": "@1234",
"PassKey": "BSE"
}
```

B   Response (JSON Format)
```
{
    "Filler": null,
    "ResponseString":
"ScGpdNmUHi5rA5PitbWz3lpDbIGAVSlnIEOuzCXppiza3HyKXCv10A==",
    (EncryptedPassword)
    "Status": "100"
}
```

MUTUAL FUND Child Order Login Request Response

The Method used for MUTUAL FUND Child Order Login Request Response is

`GetPasswordForChildOrderResponse > Response`

Parameters	Type	Length	Remarks
Status Code	Varchar	3	100- Success
			101- Failure
Encrypted Password/Error Reason	Varchar	500	

Notes

1. Member has to be Authenticated before sending any messages
2. Pass Key Validity can be Time based or One Time.
3. Member will have to enter the Web Service ID and password provided to them with a pass key (Alpha numeric with no special characters) each time they login.
4. Pass key can be different each time they login
5. Once user provides all the above / required details and submits it the Exchange, a response code will be sent to the member.
6. If the login is successful then response code "100" will be sent and also an encrypted password will be sent to the member.
7. If the login is not successful then response code "101" will be sent.
8. This encrypted password will be unique each time the member logins into BSE web service.
9. Member has to use this encrypted password whenever they punches the order.

MUTUAL FUND Child Order Services Request

The Method used for MUTUAL FUND Child Order Services Request is `ChildOrderDetails > ChildOrderRequest`

A   Request Parameter : (JSON Format)
{

   "Date": "07 JUL 2017",
   "MemberCode": "99999",
   "ClientCode": "457",
   "SystematicPlanType": "XSIP"   SystematicPlanType (SIP, XSIP, ISIP, STP, SWP)
   "RegnNo": "75342",
   "EncryptedPassword": "ScGpdNmUHi5rA5PitbWz3lpDbIGAVSlnIEOuzCXppiza3HyKXCv10A==",
}

MUTUAL FUND Child Order Services Response

The Method used for MUTUAL FUND Child Order Services Response is `ChildOrderDetailsResponse`
`> ChildOrderResponse`

B   Respose (JSON Format)

```
{
   "ChildOrderDetails": [{
           Amount: "500.0000",
           BSESchemeCode: "539-GR",
           BuySell: "P",
           BuySellType: "FRESH",
           ClientCode: "457",
           ClientName: "rajesh singhal",
           DPTxnType: "P",
           EUINFlag: "Y",
           EUINNumber: "E123465",
           FirstOrderTodayFlag: "N",
           FolioNo: "1485369",
           IntRefNo: "1",
           KYCFlag: "Y",
           MemberCode: "99999",
           OrderNumber: "758516",
           OrderType: "XSP",
           Quantity: "0.0000",
           RTASchemeCode: "539",
           SchemeName: "DSP BLACKROCK DYNAMIC ASSET ALLOCATION FUND - REGULAR -
GROWTH",
           SubBrokerARNCode: "ARN-159357",
           SubBrokerCode: "",
           SubOrderType: "NRM"
     }],
     "Message": "Child Order Details for Registration Number : 75342",

     "Status": "100"                              ( 100 : Success , 101 : Failure)
}
```

MUTUAL FUND MANDATE STATUS
WEB SERVICES MESSAGE STRUCTURE

MUTUAL FUND MANDATE STATUS WEB SERVICES AUTHENTICATION MESSAGE STRUCTURE

The Mutual Fund Mandate Status Web Service is available to fetch the Status of an individual Mandate or a list of mandates as per filters defined by the Members.

The Web Service through which Mandate Status Web services request and response can be facilitated is available at.

| URL | https://bsestarmfdemo.bseindia.com/StarMFWebService/StarMFWebService.svc |

MUTUAL FUND Mandate Status Services Login Request

The Method used for MUTUAL FUND Mandate Status services Request is `GetAccessToken > PasswordRequest`

Request parameters

Parameters	Type	Length	Remarks
Requesttype	Varchar	20	Mandate
User id	Varchar	20	
Memberid	Varchar	20	
Password	Varchar	30	
Passkey	Varchar	20	

MUTUAL FUND Mandate Status Login Request Response

Parameters	Type	Length	Remarks
Status code	Varchar	3	100- success
			101- failure
Encrypted password/error reason	Varchar	500	

MUTUAL FUND Mandate Status Login Request/Response Sample

Request Parameter: (JSON Format)

```
{
    "RequestType":"MANDATE",
    "UserId": "457",
    "MemberId": "99999",
    "Password": "@1234",
    "PassKey": "BSE"
}
```

Response (JSON Format)

```
{
    "Filler": null,
    "ResponseString": "ScGpdNmUHi5rA5PitbWz3lpDbIGAVSlnIEOuzCXppiza3HyKXCv10A==",
    "Status": "100"
}
```

MUTUAL FUND MANDATE STATUS WEB SERVICES MESSAGE STRUCTURE

MUTUAL FUND Mandate Status Services Request

The Method used for MUTUAL FUND Mandate Status Services Request is `MandateDetailsRequest`

Parameters	Type	Length	Remarks
From date	Varchar	10	DD/MM/YYYY
To date	Varchar	10	DD/MM/YYYY
Member code	Varchar	10	
Client code	Varchar	10	
Mandate ID	Varchar	15	

MUTUAL FUND Mandate Status Services Request Response

Particulars	Type	Length	Remarks
Mandate code	Varchar	10	
Client code	Varchar	10	
Client name	Varchar	70	
Member code	Varchar	10	
Bank name	Varchar	200	
Bank branch	Varchar	200	
Amount	Money		
Regn date	Date	11	MMM DD YYYY HH:MM:SS
Status	Varchar	100	status table
Umrn no	Varchar	40	
Remarks	Varchar	1000	
Approved date	Date		DD/MM/YYYY
Bank account number	Varchar	20	
Mandate collection type	Varchar	50	
Mandate type	Varchar	10	ISIP/XSIP
Date of upload	Date		MMM DD YYYY HH:MM:SS

Status Table

STATUS TABLE
REGISTERED BY MEMBER
APPROVED
REJECTED
INITIAL REJECTION
UNDER PROCESSING
RETURNED BY EXCHANGE
RECEIVED BY SPONSOR BANK
REJECTION AT NPCI PRIOR TO DESTINATION BANK
CANCELLED BY INVESTOR
APPROVED BY SPONSOR BANK
REJECTED BY SPONSOR BANK

MUTUAL FUND Mandate Status Service Request/Response Sample

Request Parameter: (JSON Format)

```
{
   "FromDate": "01/01/2018",
   "ToDate":"30/01/2018",
   "MemberCode": "99999",
   "ClientCode": "457",
   "MandateId": "",                                    (Optional)
   "EncryptedPassword": "ScGpdNmUHi5rA5PitbWz3lpDbIGAVSlnIEOuzCXppiza3HyKXCv10A==",

}
```

Response (JSON Format)

```
{

        "MandateDetails": [{
        "MandateId": "2654",
        "ClientCode": "789",
        "ClientName": "test ban PAN client",
        "MemberCode": "10073",
        "BankName": "HDFC BANK",
        "BankBranch": "TULSIANI CHMBRS - NARIMAN PT",
        "Amount": "5000.0000",
        "RegnDate": "Jan 20 2018 4:12PM",
        "Status": "RECEIVED BY EXCHANGE AND ASSIGNED TO HSBC BANK",
        "UMRNNo": "",
        "Remarks": "",
        "ApprovedDate": "",
        "BankAccNo": "102369874123",
        "CollectionType": "",
        "MandateType": "XSP",
        "UploadDate": ""
    }],
   "Message": "Mandate Details ",
   "Status": "100"                                        ( 100 : Success , 101 : Failure)
}
```

MUTUAL FUND Mandate Status Service Request/Response Error Codes

Error Codes	Description
FAILED: INVALID FROM DATE	If the user passes invalid from date
FAILED: INVALID TO DATE	If the user passes invalid to date
FAILED: USER NOT EXISTS	When wrong user ID is given
FAILED: INVALID MEMBER CODE	When user passes wrong member code
FAILED: INVALID CLIENT CODE FOR GIVEN MEMBER CODE	When user passes the client code that is not mapped to the member
FAILED: ACCESS TOKEN EXPIRED	When the user passes the wrong token
FAILED: INVALID MANDATE ID	When user passes the wrong mandate ID
FAILED: INVALID MANDATE ID FOR GIVEN MEMBER CODE AND CLIENT CODE	When user passes the mandate ID that Is not mapped to client

MUTUAL FUND REPORTS
WEB SERVICES MESSAGE STRUCTURE

- MUTUAL FUND PROVISIONAL ORDER MESSAGE STRUCTURE

This API has been DEPRECIATED and is no longer Available -

MUTUAL FUND ORDER STATUS REPORT MESSAGE STRUCTURE

The Mutual Fund Order Status Web Service is available to fetch the Order Status of an individual Order or a list of Orders as per filters for a specific date defined by the Members.

The Web Service through which Order Status Web services request and response can be facilitated is available at.

> **URL**   https://bsestarmfdemo.bseindia.com/StarMFWebService/StarMFWebService.svc

MUTUAL FUND Order Status Services Request

The Method used for MUTUAL FUND Order Status services Request is `OrderStatus > OrderRequest`

Request parameters

Parameters	Type	Length	Mandatory-non-mandatory	Remarks
Member Code	Varchar	10	mandatory	
UserID	Varchar	20	mandatory	
Password	Varchar	30	mandatory	
From Date	Varchar	10	mandatory	DD/MM/YYYY Same as from Date
To Date	Varchar	10	mandatory	DD/MM/YYYY Same as to Date
Client Code	Varchar	20	non-mandatory	
Transaction Type	Varchar	5	conditional	P/R
Order type	Varchar	10	mandatory	All/NRM/SIP/XSIP/ISIP/STP/SWP
Sub - Order type	Varchar	10	mandatory	All/NRM/SPOR/SWITCH
Order Status	Varchar	10	mandatory	All/VALID/INVALID
Settlement Type	Varchar	10	mandatory	ALL/L0/L1/OTHERS
Order No	Varchar	20	non-mandatory	If Order ID is sent all other Fields are ignored.

Filler 1			non-mandatory	
Filler 2			non-mandatory	
Filler 3			non-mandatory	

MUTUAL FUND Order Status Request Response

The Method used for MUTUAL FUND Order Status Report Web services Response is

`OrderStatusResponse > OrderResponse`

Parameters	Type	Length	Remarks
Status code	Varchar	3	100- success
			101- failure
Encrypted password/error reason	Varchar	500	
Param			

Parameters

The Method used for MUTUAL FUND Order Status Report Web services Response is

`ArrayOfOrderDetails > OrderDetails`

S. No	Field Name	Type	Size	Remarks
1	Member Code	Varchar	10	
2	Date	DATE		DD/MM/YYYY
3	Time	VARCHAR	8	HH:MI:SS
4	Order No.	Varchar	16	
5	Sett. No.	VARCHAR	7	0901 - Financial Year000N - Sr No
6	Client Code	Varchar	10	
7	Client Name	Varchar	100	
8	Scheme Code	Varchar	20	
9	Scheme Name	Varchar	200	

10	Isin	Varchar	12	
11	Buy/Sell	Varchar	1	P - PURCHASE R - REDEMTION
12	Amount	NUMERIC		2 DECIMALS
13	Units	NUMERIC		3 DECIMALS
14	Dp Trans.	Varchar	10	PHYSICAL / DEMAT
15	Dp/Folio No.	Varchar	16	
16	Folio No.	Varchar	16	
17	Entry By	Varchar	20	
18	Order Status	Varchar	10	VALID / INVALID
19	Order Remark	Varchar	200	
20	Internal Ref No	Varchar	10	
21	Settlement Type	Varchar	2	
22	Order Type	Varchar	3	NRM/SIP
23	Sip Regn No	Bigint		
24	Sip Regn Date	Date		DD/MM/YYYY
25	Subbrcode	Varchar	15	
26	Euin	Varchar	10	
27	Euin Decl	Varchar	1	
28	All Units Flag	Varchar	1	
29	Dpc Flag	Varchar	1	Y
30	Order Sub Type	Varchar	6	NRM/SWITCH/SPREAD
31	First Order Today	Varchar	1	Y/N
32	Purchase / Redeem(Fresh /Additional)	Char	10	Fresh/Additional
33	Member Remarks	Char	200	Max 200 chars
34	KYC Flag	Char	1	Y or N. Mandatory in case of any purchases above Rs.50000/-

| 35 | MIN Redemption Flag | Char | 1 | Y or N. Mandatory field. In case of purchases it should be a N. in case of any redemption above 50 units it should be N, in case of units below 50 units it should be Y. Will be N in case of Physical. |
| 36 | Sub- Broker ARN | Varchar | 20 | non - mandatory field, it should start with ARN |

ERROR CODES

ERROR CODES	DESCRIPTION
FAILED: USER ID MANDATORY	Blank User ID
FAILED: MEMBER CODE MANDATORY	Blank Member ID
FAILED: PASSWORD MANDATORY	Blank Password
FAILED: USER IS DISABLED. CONTACT ADMIN	when the user ID is disabled
FAILED: YOU HAVE EXCEEDED MAXIMUM LOGIN ATTEMPTS. CONTACT ADMIN	when the user has put wrong password
FAILED:INVALID ACCOUNT INFORMATION	when invalid credentials are passed
FAILED: THE MEMBER IS SUSPENDED. CONTACT ADMIN	when the member is suspended
FAILED: ACCESS TEMPORARILY SUSPENDED. KINDLY BEAR WITH US	when the user ID is disabled
FAILED: LOGIN PASSWORD EXPIRED. KINDLY RESET LOGIN PASSWORD	when the user has put wrong password
FAILED: INVALID FROM DATE	when the date format is not passed in proper format
FAILED: INVALID TO DATE	when the date format is not passed in proper format
FAILED: INVALID CLIENT CODE FOR GIVEN MEMBER CODE	when the client code is not mapped to member code given the request string
FAILED: INVALID TRANSACTION TYPE	when the user passes wrong transaction type
FAILED: INVALID ORDER TYPE	when the user passes wrong order type
FAILED: INVALID ORDER STATUS	when the user passes wrong order status
FAILED: INVALID SETTLEMENT TYPE	when the user passes wrong settlement type
FAILED: USER NOT EXISTS	when the user does not exist in BSE starmf system

MUTUAL FUND ALLOTMENT STATEMENT MESSAGE STRUCTURE

The Mutual Fund Allotment Statement Web Service is available to fetch the Allotment Statement Report of an individual Order or a list of Orders as per filters for a specific date defined by the Members.

The Web Service through which Allotment Statement Web services request and response can be facilitated is available at.

URL	https://bsestarmfdemo.bseindia.com/StarMFWebService/StarMFWebService.svc

MUTUAL FUND Allotment Statement Services Request

The Method used for MUTUAL FUND Allotment Statement services Request is `AllotmentStatement > AllotmentStatementRequest`

Request parameters

Parameters	Type	Length	Mandatory-non-mandatory	Remarks
Member Code	Varchar	10	mandatory	
UserID	Varchar	20	mandatory	
Password	Varchar	30	mandatory	
From Date	Varchar	10	mandatory	DD/MM/YYYY Same as from Date
To Date	Varchar	10	mandatory	DD/MM/YYYY Same as to Date
Client Code	Varchar	20	non-mandatory	
Transaction Type	Varchar	5	conditional	P/R
Order type	Varchar	10	mandatory	All/NRM/SIP/XSIP/ISIP/STP/SWP
Sub - Order type	Varchar	10	mandatory	All/NRM/SPOR/SWITCH
Order Status	Varchar	10	mandatory	All/VALID/INVALID
Settlement Type	Varchar	10	mandatory	ALL/L0/L1/OTHERS
Order No	Varchar	20	non-mandatory	If Order ID is sent all other Fields are ignored.
Filler 1			non-mandatory	

| Filler 2 | | | non-mandatory | |
| Filler 3 | | | non-mandatory | |

MUTUAL FUND Allotment Statement Request Response

The Method used for MUTUAL FUND Allotment Statement Report Web services Response is

`AllotmentStatementResponse > AllotmentStatementResponse`

Parameters	Type	Length	Remarks
Status code	Varchar	3	100- success
			101- failure
Encrypted password/error reason	Varchar	500	
Param			

Parameters

The Method used for MUTUAL FUND Allotment Statement Report Web services Response is

`ArrayOfAllotmentDetails > AllotmentDetails`

S.No.	Field Name	Type	Size	Remarks
1	Reportdate	Varchar	8	YYYY-MM-DD
2	Orderno	Number	16	
3	Setttype	Varchar	2	MF
4	Settno	Varchar	7	0910 - FINANCIAL YEAR 00N
5	Orderdate	Varchar	8	YYYY-MM-DD
6	Schemecode	Varchar	20	
7	Isin	Varchar	12	
8	Amount	Number	2 DECIMALS	
9	Qty	Number	3 DECIMALS	
10	Memberid	Varchar	10	
11	Branchcode	Varchar	10	
12	Userid	Number		

13	Foliono	Varchar	16	
14	Rtaschemecode	Varchar	10	
15	Rtatransno	Varchar	20	
16	Clientcode	Varchar	10	
17	Clientname	Varchar	70	
18	Beneficiaryid	Varchar	16	
19	Allotted nav	Number	4 DECIMALS	
20	Allotted unit	Number	3 DECIMALS	
21	Allotment amt	Number	2 DECIMALS	
22	Validflag	Varchar	1	Y - VALID N - INVALID
23	Remarks	Varchar	200	
24	Stt	Number	4 DECIMALS	
25	Internal ref no	Varchar	10	
26	Order type	Varchar	3	NRM/SIP
27	Sip regn no	Bigint		
28	Sip regn date	Date		DD/MM/YYYY
29	Subbrcode	Varchar	15	
30	Euin	Varchar	10	
31	Euin decl	Varchar	1	
32	Dpc flag	Varchar	1	
33	DP trans	Varchar	1	P/C/N
34	Order sub type	Varchar	10	

ERROR CODES

ERROR CODES	DESCRIPTION
FAILED: USER ID MANDATORY	Blank User ID
FAILED: MEMBER CODE MANDATORY	Blank Member ID
FAILED: PASSWORD MANDATORY	Blank Password
FAILED: USER IS DISABLED. CONTACT ADMIN	when the user ID is disabled
FAILED: YOU HAVE EXCEEDED MAXIMUM LOGIN ATTEMPTS. CONTACT ADMIN	when the user has put wrong password
FAILED:INVALID ACCOUNT INFORMATION	when invalid credentials are passed
FAILED: THE MEMBER IS SUSPENDED. CONTACT ADMIN	when the member is suspended
FAILED: ACCESS TEMPORARILY SUSPENDED. KINDLY BEAR WITH US	when the user ID is disabled
FAILED: LOGIN PASSWORD EXPIRED. KINDLY RESET LOGIN PASSWORD	when the user has put wrong password
FAILED: INVALID FROM DATE	when the date format is not passed in proper format
FAILED: INVALID TO DATE	when the date format is not passed in proper format
FAILED: INVALID CLIENT CODE FOR GIVEN MEMBER CODE	when the client code is not mapped to member code given the request string
FAILED: INVALID TRANSACTION TYPE	when the user passes wrong transaction type
FAILED: INVALID ORDER TYPE	when the user passes wrong order type
FAILED: INVALID ORDER STATUS	when the user passes wrong order status
FAILED: INVALID SETTLEMENT TYPE	when the user passes wrong settlement type
FAILED: USER NOT EXISTS	when the user does not exist in BSE starmf system

MUTUAL FUND REDEMPTION STATEMENT MESSAGE STRUCTURE

The Mutual Fund Redemption Statement Web Service is available to fetch the Redemption Statement Report of an individual Order or a list of Orders as per filters for a specific date defined by the Members.

The Web Service through which Redemption Statement Web services request and response can be facilitated is available at.

| URL | https://bsestarmfdemo.bseindia.com/StarMFWebService/StarMFWebService.svc |

MUTUAL FUND Redemption Statement Services Request

The Method used for MUTUAL FUND Redemption Statement services Request is
RedemptionStatement > RedemptionStatementRequest

Request parameters

Parameters	Type	Length	Mandatory-non-mandatory	Remarks
Member Code	Varchar	10	mandatory	
UserID	Varchar	20	mandatory	
Password	Varchar	30	mandatory	
From Date	Varchar	10	mandatory	DD/MM/YYYY Same as from Date
To Date	Varchar	10	mandatory	DD/MM/YYYY Same as to Date
Client Code	Varchar	20	non-mandatory	
Transaction Type	Varchar	5	conditional	P/R
Order type	Varchar	10	mandatory	All/NRM/SIP/XSIP/ISIP/STP/SWP
Sub - Order type	Varchar	10	mandatory	All/NRM/SPOR/SWITCH
Order Status	Varchar	10	mandatory	All/VALID/INVALID
Settlement Type	Varchar	10	mandatory	ALL/L0/L1/OTHERS
Order No	Varchar	20	non-mandatory	If Order ID is sent all other Fields are ignored.
Filler 1			non-mandatory	
Filler 2			non-mandatory	
Filler 3			non-mandatory	

MUTUAL FUND Redemption Statement Request Response

The Method used for MUTUAL FUND Redemption Statement Report Web services Response is

RedemptionStatementResponse > RedemptionStatementResponse

Parameters	Type	Length	Remarks
Status code	Varchar	3	100- success
			101- failure
Encrypted password/error reason	Varchar	500	
Param			

Parameters

The Method used for MUTUAL FUND Redemption Statement Report Web services Response is

ArrayOfOrderDetails > RedemptionStatementResponse

S.no.	Field name	Type	Size	Remarks
1	Reportdate	Varchar	8	YYYY-MM-DD
2	Orderno	Number	16	
3	Setttype	Varchar	2	MF
4	Settno	Varchar	7	0910 - FINANCIAL YEAR
				00N
5	Orderdate	Varchar	8	YYYY-MM-DD
6	Schemecode	Varchar	20	
7	Isin	Varchar	12	
8	Amount	Number	2 DECIMALS	
9	Qty	Number	3 DECIMALS	
10	Memberid	Varchar	10	
11	Branchcode	Varchar	10	
12	Userid	Number		
13	Foliono	Varchar	16	
14	Rtaschemecode	Varchar	10	
15	Rtatransno	Varchar	20	
16	Clientcode	Varchar	10	
17	Clientname	Varchar	70	

18	Beneficiaryid	Varchar	16	
19	Allotted Nav	Number	4 DECIMALS	
20	Allotted Unit	Number	3 DECIMALS	
21	Allotment Amt	Number	2 DECIMALS	
22	Validflag	Varchar	1	Y - VALID N - INVALID
23	Remarks	Varchar	200	
24	Stt	Number	4 DECIMALS	
25	Dpc Flag	Varchar	1	
26	DP Trans	VARCHAR	1	P/C/N
27	Order Type	Varchar	3	NRM/SIP
28	Order Sub Type	Varchar	10	

ERROR CODES

ERROR CODES	DESCRIPTION
FAILED: USER ID MANDATORY	Blank User ID
FAILED: MEMBER CODE MANDATORY	Blank Member ID
FAILED: PASSWORD MANDATORY	Blank Password
FAILED: USER IS DISABLED. CONTACT ADMIN	when the user ID is disabled
FAILED: YOU HAVE EXCEEDED MAXIMUM LOGIN ATTEMPTS. CONTACT ADMIN	when the user has put wrong password
FAILED:INVALID ACCOUNT INFORMATION	when invalid credentials are passed
FAILED: THE MEMBER IS SUSPENDED. CONTACT ADMIN	when the member is suspended
FAILED: ACCESS TEMPORARILY SUSPENDED. KINDLY BEAR WITH US	when the user ID is disabled
FAILED: LOGIN PASSWORD EXPIRED. KINDLY RESET LOGIN PASSWORD	when the user has put wrong password
FAILED: INVALID FROM DATE	when the date format is not passed in proper format
FAILED: INVALID TO DATE	when the date format is not passed in proper format
FAILED: INVALID CLIENT CODE FOR GIVEN MEMBER CODE	when the client code is not mapped to member code given the request string
FAILED: INVALID TRANSACTION TYPE	when the user passes wrong transaction type
FAILED: INVALID ORDER TYPE	when the user passes wrong order type
FAILED: INVALID ORDER STATUS	when the user passes wrong order status
FAILED: INVALID SETTLEMENT TYPE	when the user passes wrong settlement type
FAILED: USER NOT EXISTS	when the user does not exist in BSE starmf system

MUTUAL FUND e-NACH MANDATE AUTHENTICATION URL WEB SERVICES MESSAGE STRUCTURE

MUTUAL FUND e-NACH MANDATE AUTHENTICATION URL WEB SERVICES AUTHENTICATION MESSAGE STRUCTURE

The Mutual Fund e-NACH Mandate Authentication URL Web Service is available to fetch the e-NACH Mandate Authentication URL of an individual Mandate to be authenticated by a Member.

The Web Service through which e-NACH Mandate Authentication URL Web services request and response can be facilitated is available at.

URL	https://bsestarmfdemo.bseindia.com/StarMFWebService/StarMFWebService.svc

MUTUAL FUND e-NACH Mandate Authentication URL Services Request

The Method used for MUTUAL FUND e-NACH Mandate Authentication URL services Request is
`EMandateAuthURL > EMandateAuthURLRequest`

Request parameters (JSON Format)

Field Name	Type	Length	Remarks	Mandatory / Non-Mandatory
UserID	Varchar	20		mandatory
Member code	Varchar	10		mandatory
Password	Varchar	30		mandatory
Client code	Varchar	10		mandatory
Mandate ID	Varchar	25	BSE mandate ID	mandatory

MUTUAL FUND e-NACH Mandate Authentication URL Response

The Method used for MUTUAL FUND e-NACH Mandate Authentication URL services Request is
`EMandateAuthURLResponse > EMandateAuthURLResult`

Response Parameter

Field Name	Type	Length	Remarks
Status	Varchar	3	100- Success 101- Faliure
Response string	Varchar	500	
filler			

Sample Code

Request Parameter : (JSON Format)

{

    "ClientCode":"String content",

    "MandateID":"String content",

    "MemberCode":"String content",

    "Password":"String content",

    "UserId":"String content"

}

Response (JSON Format)

{

    "Fillers":"String content",

    "ResponseString":"String content",

    "Status":"String content"

}

Error Codes

ERROR CODES	DESCRIPTION
FAILED: USER ID MANDATORY	When user ID is not passed in the request string
FAILED: MEMBER CODE MANDATORY	When member code is not passed in the request string
FAILED: PASSWORD MANDATORY	When password is not passed in the request string
FAILED: USER IS DISABLED. CONTACT ADMIN	When the user ID is disabled
FAILED: YOU HAVE EXCEEDED MAXIMUM LOGIN ATTEMPTS. CONTACT ADMIN	When the user has put wrong password
FAILED:INVALID ACCOUNT INFORMATION	When invalid credentials are passed
FAILED: THE MEMBER IS SUSPENDED. CONTACT ADMIN	When the member is suspended
FAILED: ACCESS TEMPORARILY SUSPENDED. KINDLY BEAR WITH US	When the user ID is disabled
FAILED: LOGIN PASSWORD EXPIRED. KINDLY RESET LOGIN PASSWORD	When the user has put wrong password
INVALID MEMBER CODE FOR GIVEN MANDATE ID	When the mandate passed does not belong to the member code given
INVALID CLIENT CODE FOR GIVEN MANDATE ID	When the mandate passed does not belong to the client code given
ENACHURL NOT GENERATED	When the URL for that mandate is not generated
FAILED: USER DOES NOT EXIST	When the user does not exist in BSE starmf system

MUTUAL FUND MANDATE SHIFT
WEB SERVICES MESSAGE STRUCTURE

MUTUAL FUND MANDATE SHIFT WEB SERVICES AUTHENTICATION MESSAGE STRUCTURE

MUTUAL FUND e-NACH Mandate Authentication URL Services Request

The Method used for MUTUAL FUND Mandate Shift Service Request is > `MandateShift(POST)`

SrNo	Header	Description
1	**APIKey**	VmxST1UyRkhUbkpOVldNOQ==

URL	https://bsestarmfdemo.bseindia.com/StarMFAPI/api/Mandate/MandateShift

Request Parameter

Parameters	TYPE	Length	Sample	Mandatory/Non Mandatory Fields
Unique ID	VARCHAR	30	this ID should be unique for each API call	Yes
MEMBER CODE	VARCHAR	10		Yes
USER CODE	VARCHAR	20		Yes
PASSWORD	VARCHAR	30		Yes
CLIENT CODE	VARCHAR	10		Yes
REGISTRATION TYPE	VARCHAR	10	always XSIP	Yes
REGISTRATION NUMBER	BIGINT			Yes
FROM MANDATE ID	VARCHAR	15		Yes
TO MANDATE ID	VARCHAR	15		Yes

Response Structure

Parameters	TYPE	Length	Sample
Unique ID	VARCHAR	20	
STATUS	VARCHAR	10	Status : 0 = Success /1= Failed
REMARKS	VARCHAR	1000	

Sample Code

Request Parameters :

```
{
        "UniqueId": "2019010400003"
        "MemberCode": "10073"
        "UserCode": "1007301"
        "Password": "@1234"
        "ClientCode": "789"
        "RegnType": "XSIP"
        "RegnNo": "990890"
        "FromMandateId": "1694"
        "ToMandateId": "1551"
}
```

Response : (JSON)

```
{
        "UniqueId": "2019010400003"
        "Status": "0"
        "Remarks": "MANDATE SHIFTING DONE SUCCESSFULLY"
}
```

MUTUAL FUND CHEQUE COLLECTION WEB SERVICES MESSAGE STRUCTURE

The Mutual Fund Axis Bank Cheque collection API allows the Member to provide its branches and users to Register and Map the client cheque to the Orders and generate Challans.

The generated challans can be provided to the Bank along with the Cheque for cheque payment

The Web Service through which AXIS BANK Cheque Collection Web services request and response can be facilitated is available at

Cheque Collection API URL

URL	https://bsestarmfdemo.bseindia.com/StarMFChequeCollection/service.svc

Cheque Collection API Flow

Flow	API Details	Method Names
1	Member Cheque Collection Entry	**ChequeCollectionOrderInitiate (POST)**
2	Member Cheque Collection Deposit Challan Creation Entry	**ChequeCollectionGroupIdInitiate (POST)**
3	Member Cheque Collection Deposit Challan Generation Entry	**ChequeCollectionDepositChallan (POST)**

Member Cheque Collection Entry – Website

The process for Cheque collection entry is where the Member selects the client, orders and cheque details

1.) Client Selection: Where the Member selects the client

<table>
<tr><th colspan="4">Cheque Collection Entry</th></tr>
<tr><td>Client Code *</td><td>DEMO1-7000</td><td>Client Name *</td><td></td></tr>
<tr><td colspan="4" align="center">View   Reset</td></tr>
</table>

2.) Member views the Orders and selects the orders for which the cheque has to be entered for

	Order Date	Order Number	Sett Type	Order Type	AMC Name	ISIN	Trans Type	Folio Number	Amount
☐	11/20/2018 12:11:30 PM	1349505	L1	NRM	IDFC MUTUAL FUND	INF194K01920	C	0	500000.00
☐	11/20/2018 12:13:04 PM	1349506	T3	NRM	ADITYA BIRLA SUN LIFE MUTUAL FUND	INF209K01090	C	0	5000.00
☐	11/20/2018 12:13:11 PM	1349507	T3	NRM	ADITYA BIRLA SUN LIFE MUTUAL FUND	INF209K01CB1	C	0	5000.00
☐	11/20/2018 12:13:18 PM	1349508	T3	NRM	ADITYA BIRLA SUN LIFE MUTUAL FUND	INF209K01108	C	0	50000.00
☐	11/21/2018 8:41:38 AM	1350044	T3	NRM	ADITYA BIRLA SUN LIFE MUTUAL FUND	INF209K01090	C		5000.00

3.) The Member then selects the Client's Registered Bank Account details and the enters the Cheque Date, Amount and selects the deposit bank.

Total Amount To Be Paid : 0

Bank Name	Branch Name	IFSC Code	Account Number	Cheque Number	Cheque Date	Cheque Amount	Deposit Bank
UNION BANK OF INDIA ▼	VARTAK NAGAR THANE(W) ▼	UBIN0562335 ▼	123456789 ▼	2546	21-Nov-2018		AXIS BANK ▼

Save

Member Cheque Collection Entry – API

Request

Parameters	TYPE	Length	Sample	Mandatory/ Non Mandatory Fields
Unique ID	varchar	30		M
member ID	varchar	10		M
user ID	varchar	20		M
password	varchar	30		M
client code	varchar	10		M
array of order no	varchar			M
total order amount	varchar			M
IFSC	varchar	11		M
account number	varchar	20		M
cheque no	varchar	6		M
cheque date	varchar	10	DD/MM/YYYY	M

cheque amount	varchar			M	
deposit bank	varchar	10	axis bank	M	
FILLER 1	varchar	50		NM	
FILLER 2	varchar	50		NM	
FILLER 3	varchar	50		NM	

Response

Parameters	TYPE	Length	sample
GROUP id	VARCHAR	30	
BSE REMARKS	VARCHAR	1000	
Status	VARCHAR	10	Status : 0 = Success /1= Failed

Sample Code
Request

```
{
        UniqueId: "2019011000002",
        MemberId: "10097",
        UserId: "1009701",
        Password: "@1234",
        ClientCode: "456",
        OrderNo: ["1862292", "1862293"],
        TotalAmount: "15000",
        IFSCCode: "HDFC0000001",
        AccNo: "456665645556",
        ChequeNo: "100521",
        ChequeDate: "10/01/2019",
        ChequeAmount: "15000",
        DepositBank: "axis bank",
        Filler1: null,
        Filler2: null,
        Filler3: null
}

Response :
{
        "BseRemarks": "Cheque Entry completed , Please verify details and Generate Deposit Slip from
        Cheque Deposit Challan Menu",
        "GroupId": "19011000001",
        "Status": "0"
}
```

Member Cheque Collection Deposit Challan Creation Entry – Website (PDF File Download)

The Member can generate the Cheque Deposit Challan Slip and group the multiple cheques for a single Deposit challan creation.

			Cheque Collection Deposit Challan				
Date	30-Jan-2019		Process Type	VIEW DETAILS ▼	Deposit Bank	AXIS BANK ▼	
			View				

Kindly select view details to verify cheque details and save the same on verification to generate the deposit slip

Member Code	Client Code	Group ID	DD/Chq Number	Account Number	DD/Chq Date	Drawer Name	Bank Code	Bank Drawn	Amount(Rs.)	Initiate Date	
10996	DEMO1-7000	19013000002	000001	123456789	30/01/2019	SIDDESH	UBI	Union Bank of India	55000.000000	30/01/2019	☐
10996	DEMO1-7000	19013000003	000002	123456789	30/01/2019	SIDDESH	UBI	Union Bank of India	10000.000000	30/01/2019	☐
10996	DEMO1-7000	19013000004	000005	123456789	30/01/2019	SIDDESH	UBI	Union Bank of India	10000.000000	30/01/2019	☐

Save

Member Cheque Collection Deposit Challan Creation Entry – API (PDF File Download)

Request Parameter

Parameters	TYPE	Length	Sample	Mandatory/Non Mandatory Fields
Unique ID	varchar	30		M
member ID	varchar	10		M
user ID	varchar	20		M
password	varchar	30		M
array Of group id max 10				M

Parameters	TYPE	Length	Sample
DEPOSIT CHALLAN NO	VARCHAR	30	
BSE REMARKS	VARCHAR	1000	
Status	VARCHAR	10	Status : 0 = Success /1= Failed

Sample Code

Request :

UniqueId: "201901100013",
MemberId: "10097",
UserId: "1009701",
Password: "@1234",
GroupId: ["19011000001", "19011000002"]

Response :

"BseRemarks": "Verification completed , Please select the process type Deposit Challan , to generate the deposit slip",
"DepositChallanNo": ["201901100002"],
"Status": "0"

Member Cheque Collection Deposit Challan Generation Entry – Website

The Deposit Challan is generated as a PDF file to be printed and provided with the cheque to the Deposit Bank for Client Payment

Cheque Collection Deposit Challan			
Date 30-Jan-2019	Process Type DEPOSIT CHALLAN ▼	Deposit Bank AXIS BANK ▼	
	View		

Kindly select view details to verify cheque details and save the same on verification to generate the deposit slip

DepositChallanNo	Amount	Deposit Bank
201901300002	65000.000000	Axis Bank
201901300003	10000.000000	Axis Bank

Member Cheque Collection Deposit Challan Generation Entry – API

Request Parameter

Parameters	TYPE	Length	Sample	Mandatory/Non Mandatory Fields
Unique ID	varchar	30		M
member ID	varchar	30		M
user ID	varchar	10		M
password	varchar	20		M
deposit challan	varchar	30		M

Response Parameter

Parameters	TYPE	Length	Sample
PDF	base64		
BSE REMARKS	VARCHAR	1000	
Status	VARCHAR	10	Status : 0 = Success /1= Failed

Sample Code

Request :

UniqueId: "201901100022",
MemberId: "10097",
UserId: "1009701",
Password: "@1234",
DepositChallanNo: "201901100002"

Response :

"BseRemarks": "DEPOSIT CHALLAN PDF GENERATED",
"PDF": "",
"Status": "0"

MUTUAL FUND SINGLE PAYMENT GATEWAY API
WEB SERVICES MESSAGE STRUCTURE

SINGLE INTEGRATED PAYMENT WEBSERVICE MESSAGE STRUCTURE THROUGH API FOR ALL PAYMENT METHODS

The single payment API interface allows the members to use all payment methods using a single API.

URL	https://bsestarmfdemo.bseindia.com/StarMFSinglePaymentAPI/Single/Payment

Structure for Single Payment API Interface

Request Parameter

Parameters	Type	Length	Remarks
Login ID	varchar	20	Mandatory
Password	varchar	20	Mandatory
Member Code	varchar	20	Mandatory
Client Code	varchar	10	Mandatory
Mode Of Payment	varchar	10	DIRECT/NODAL/NEFT/UPI
Bank Id	varchar	5	Mandatory for DIRECT/NODAL/UPI
Account Number	varchar	20	Mandatory
IFSC	varchar	11	Mandatory
Order Number(s)	varchar		Mandatory
Total Amount	MONEY		Mandatory (should be equal to sum of all order values)
Internal ref no	varchar	20	Non-Mandatory
NEFT Reference	varchar	50	Mandatory if Mode is NEFT
Mandate ID	varchar	50	**Not available presently** , For Future USE
VPA ID	varchar	50	Mandatory if Mode is UPI
Logout Url/ Loopback URL	varchar	1000	Mandatory for DIRECT/NODAL
Allow LoopBack Success/Failure	varchar	1	**Not available presently, For Future USE** If Y an Additional variable will be sent as redirection in the Loopback URL ?Status=SUCCESS/FAILURE/INPROCESS This is only for Payment Gateway and UPI where real time status is available Only if (DIRECT/NODAL/UPI) is selected in Mode of Payment.
FILLER 1			
FILLER 2			
FILLER 3			
FILLER 4			

Response

Parameters	Type	Length	Remarks
Response String			Bank Page in HTML format(DIRECT/NODAL) *Or* Verbose Message (UPI/NEFT/Payment Error)
Status Code	varchar	3	100- success
			101- failure
Internal Reference No	varchar	20	
FILLER 1			
FILLER 2			
FILLER 3			
FILLER 4			

Sample Code

Request :

```
{
"LoginId" : "XXXXX",
"Password" : "XXXXX",
"membercode" : "XXXX",
"clientcode" : "456fefe",
"modeofpayment" : "NEFT",
"bankid" : "ibk",
"accountnumber" : "XXXXXXXXXX",
"ifsc" : "IBKL0000001",
"ordernumber" : "1994507|1994508",
"totalamount" : "5000",
"internalrefno" : "123456987",
"NEFTreference" : "1",
 "mandateid" : "",
"vpaid" : "",
"loopbackURL" : "",
"allowloopBack" : "",
"filler1" : "",
"filler2" : "",
"filler3" : "",
"filler4" : "",
"filler5" : ""
}
```

Response :

```
{
"responsestring": "Payment initiated done through NEFT",
"statuscode": "100",
"internalrefno": "123456987",
"filler1": "",
"filler2": "",
"filler3": "",
"filler4": ""
}
```

NET BANKING BANK CODES

PAY MODE	BANK NAME	BANK ID	Bank merged and new Bank ID to be passed
DIRECT	Kotak Mahindra Bank	162	
DIRECT	HDFC Bank Limited	HDF	
DIRECT	ICICI Bank	ICI	
DIRECT	State Bank of India	SBI	
DIRECT	Axis Bank	UTI	
DIRECT	YES Bank	YBK	
DIRECT	IndusInd Bank	IDS	
NODAL	Andhra Bank	ADB	UBI
NODAL	Andhra Bank Corporate	ADC	
NODAL	Allahabad Bank	ALB	INB
NODAL	Allahabad Bank Corporate	ALC	
NODAL	Andhra Pragathi Grameena Bank	APG	
NODAL	AU Small Finance Bank	AUB	
NODAL	Axis Bank Corporate	AXC	
NODAL	Bank of Baroda-Corporate	BBC	
NODAL	Bank of Bahrain and Kuwait	BBK	
NODAL	Bank of Baroda- Retail	BBR	
NODAL	Bassein Catholic Bank	BCB	
NODAL	Bandhan Bank Corporate	BDC	
NODAL	Bandhan Bank	BDN	
NODAL	Bank Of India	BOI	
NODAL	Bank of Maharashtra	BOM	
NODAL	Central Bank of India	CBI	
NODAL	Canara Bank	CNB	
NODAL	Capital Bank	CPB	
NODAL	Cosmos Bank	COB	
NODAL	Corporate Punjab National Bank	CPN	
NODAL	Corporation Bank Corporate	CR2	
NODAL	Corporation Bank	CRP	UBI
NODAL	Catholic Syrian Bank	CSB	
NODAL	City Union Bank	CUB	
NODAL	Deutsche Bank	DBK	
NODAL	DIGI Bank	DBS	
NODAL	Development Credit Bank	DCB	
NODAL	Dena Bank Net Banking	DEN	BBR
NODAL	Dhanlakshmi Bank Corporate	DL2	

NODAL	Dhanlakshmi Bank	DLB	
NODAL	Equitas Bank	EQB	
NODAL	ESAF Small Finance Bank	ESF	
NODAL	Federal Bank	FBK	
NODAL	Fincare Small Finance Bank	FNC	
NODAL	HDFC UPI	HD4	
NODAL	Gujarat State Cooperative Bank	GSB	
NODAL	HSBC	HSB	
NODAL	UPI	IC4	
NODAL	IDBI Bank	IDB	
NODAL	IDBI Bank Corporate	IDC	
NODAL	IDFC Bank Netbanking	IDN	
NODAL	Indian Bank	INB	
NODAL	Indian Overseas Bank	IOB	
NODAL	Jammu & Kashmir Bank Limited	JKB	
NODAL	Jana Small Finance Bank	JNB	
NODAL	Janata Sahakari Bank	JSB	
NODAL	Karnataka Bank	KBL	
NODAL	Kalupur Coop Bank	KLB	
NODAL	Karur Vysya Bank Limited	KVB	
NODAL	Karnataka Vikas Gramin Bank	KVG	
NODAL	Lakshmi Vilas Bank Corporate	LVC	
NODAL	Lakshmi Vilas Bank Retail	LVR	
NODAL	Maharashtra Gramin Bank	MGB	
NODAL	North East Small Finance Bank	NEB	
NODAL	NKGSB Bank	NKB	
NODAL	Nutan Nagarik Sahakari Bank	NUT	
NODAL	ORIENTAL BANK OF COMMERCE	OBC	PNB
NODAL	Pragathi Krishna Bank	PKB	
NODAL	Punjab National Bank	PNB	
NODAL	Punjab and Sind Bank	PSB	
NODAL	Ratnakar Bank	RBL	
NODAL	RBL Bank Coporate	RTC	
NODAL	SCB Net Banking	SCB	
NODAL	South Indian Bank Ltd	SIB	
NODAL	SBM Bank	SOM	
NODAL	Suryoday Small Finance Bank	SRB	
NODAL	Surat Bank	SUR	
NODAL	Sutex Bank	SUT	
NODAL	Shamrao Vithal Bank Corporate	SV2	
NODAL	Shamrao Vithal Co.Operative Bank Ltd	SVC	

NODAL	Saraswat Bank	SWB	
NODAL	Syndicate Bank	SYD	CNB
NODAL	Thane Bharat Sahakari Bank	TBB	
NODAL	TJSB	TJB	
NODAL	Tamilnad Mercantile Bank Ltd	TMB	
NODAL	TNSC Bank	TNC	
NODAL	Union Bank of India	UBI	
NODAL	Union Bank of India Corporate	UB2	
NODAL	UCO Bank	UCO	
NODAL	United Bank of India	UNI	PNB
NODAL	Ujjivan Bank	UJV	
NODAL	Utkarsh Bank	UTK	
NODAL	Vijaya Bank	VJB	BBR
NODAL	Varachaa Bank	VRB	
NODAL	YES Bank Corporate	YBC	
NODAL	The Zoroastrian Co-op Bank	ZOB	

MERGED BANK DETAILS	OLD BANK ID	New BANK ID to be passed
Corporation bank merged with Union bank of India	CRP	UBI
Oriental Bank of Commerce merged with Punjab National bank	OBC	PNB
Syndicate Bank merged with Canara Bank	SYD	CNB
Dena Bank merged with Bank of Baroda	DEN	BBR
United Bank of India merged with Punjab National bank	UNI	PNB
Andhra Bank merged with Union Bank of India	ADB	UBI
Vijaya Bank merged with Bank of Baroda	VJB	BBR
Allahabad Bank with Indian Bank	ALB	IND

UPI BANK CODES

ServiceType	BankName	BankCode
UPI	ABHYUDAYA COOPERATIVE BANK LIMITED	ACB
UPI	ADITYA BIRLA IDEA PAYMENTS BANK LTD	ABPB
UPI	AIRTEL PAYMENTS BANK LIMITED	AIRP
UPI	ALLAHABAD BANK	ALD
UPI	Allahabad Bank - Retail Net Banking	ALB
UPI	ALLAHABAD BANK CORPORATE	ALC
UPI	Andhra Bank	ADB
UPI	ANDHRA PRADESH GRAMEENA VIKAS BANK	APGX
UPI	ANDHRA PRAGATHI GRAMEENA BANK	APG
UPI	APNA SAHAKARI BANK LIMITED	ASB
UPI	AU SMALL FINANCE BANK	AUB
UPI	Axis Bank	UTI
UPI	BANDHAN BANK LIMITED	BDB
UPI	Bank of Baroda - Corporate Banking	BBC
UPI	Bank of Baroda - Retail Net Banking	BBR
UPI	Bank Of India	BOI
UPI	Bank of Maharashtra	BOM
UPI	BASSEIN CATHOLIC COOPERATIVE BANK LIMITED	BAC
UPI	Canara Bank	CNB
UPI	Catholic Syrian Bank	CSB
UPI	Central Bank of India	CBI
UPI	CITI BANK	CIT
UPI	CITY UNION BANK LIMITED	CUB
UPI	Corporation Bank	CRP
UPI	DCB BANK LIMITED	DCB
UPI	Dena Bank	DEN
UPI	DEVELOPMENT BANK OF SINGAPORE	DBS
UPI	Dhanlakshmi Bank	DLB
UPI	DOMBIVLI NAGARI SAHAKARI BANK LIMITED	DNS
UPI	Equitas Small Finance Bank Ltd	EQB
UPI	Equitas Small Finance Bank Ltd	ESF
UPI	Federal Bank	FBK
UPI	FINO PAYMENTS BANK LTD	FINO
UPI	G P PARSIK BANK	PJS
UPI	HDFC BANK	HDF
UPI	HSBC BANK	HSB
UPI	ICICI Bank - Retail Net Banking	ICI
UPI	IDBI Bank - Retail Net Banking	IDB

UPI	IDFC BANK LIMITED	IDF
UPI	Indian Bank	INB
UPI	Indian Overseas Bank	IOB
UPI	IndusInd Bank	IDS
UPI	JALGAON JANATA SAHAKARI BANK LIMITED	JJS
UPI	Jammu & Kashmir Bank	JKB
UPI	Janata Sahakari Bank	JSB
UPI	JIO PAYMENTS BANK LIMITED	JIOP
UPI	KALLAPPANNA AWADE ICHALKARANJI JANATA SAHAKARI BANK LIMITED	KAI
UPI	KALYAN JANATA SAHAKARI BANK	KJS
UPI	KAPOL COOPERATIVE BANK LIMITED	KCB
UPI	Karnataka Bank Ltd	KBL
UPI	KARNATAKA VIKAS GRAMEENA BANK	KVG
UPI	Karur Vysya Bank	KVB
UPI	KERALA GRAMIN BANK	KLG
UPI	Kotak Bank	162
UPI	Lakshmi Vilas Bank	LVB
UPI	Laxmi Vilas Bank - Corporate Net Banking	LVC
UPI	Laxmi Vilas Bank - Retail Net Banking	LVR
UPI	MAHANAGAR COOPERATIVE BANK	MCB
UPI	MAHARASHTRA GRAMIN BANK	MGBX
UPI	NKGSB BANK	NKB
UPI	Oriental Bank of Commerce	OBC
UPI	PAYTM PAYMENTS BANK LTD	PYTM
UPI	PRAGATHI KRISHNA GRAMIN BANK	PKG
UPI	PRATHAMA BANK	PRT
UPI	Punjab & Maharastra Coop Bank	PMC
UPI	Punjab & Sind Bank	PSB
UPI	Punjab National Bank - Corporate Banking	CPN
UPI	Punjab National Bank - Retail Net Banking	PNB
UPI	RAJKOT NAGRIK SAHAKARI BANK LIMITED	RNS
UPI	Ratnakar Bank - Retail Net Banking	RBL
UPI	RBL Bank Limited	RAT
UPI	Saraswat Bank	SWB
UPI	SHAMRAO VITHAL BANK CORPORATE	SV2
UPI	South Indian Bank	SIB
UPI	Standard Chartered Bank	SCB
UPI	State Bank of India	SBI
UPI	SUTEX COOPERATIVE BANK LIMITED	SUT
UPI	Syndicate Bank	SYD
UPI	Tamilnad Mercantile Bank Ltd.	TMB
UPI	TELANGANA STATE COOP APEX BANK	TSA

UPI	THE COSMOS CO OPERATIVE BANK LIMITED	COS
UPI	THE GUJARAT STATE COOPERATIVE BANK LIMITED	GSC
UPI	THE HASTI COOP BANK LTD	HCB
UPI	THE MEHSANA URBAN COOPERATIVE BANK	MSN
UPI	THE NAINITAL BANK LIMITED	NTB
UPI	THE NAV JEEVAN CO-OP BANK LTD.	NJCX
UPI	THE SHAMRAO VITHAL COOPERATIVE BANK	SVC
UPI	THE SURAT PEOPLES COOPERATIVE BANK LIMITED	SPC
UPI	THE TAMIL NADU STATE APEX COOPERATIVE BANK	TNS
UPI	THE THANE BHARAT SAHAKARI BANK LIMITED	TBS
UPI	THE VARACHHA COOPERATIVE BANK LIMITED	VAR
UPI	THE VIJAY CO OPERATIVE BANK LTD.	VIJX
UPI	THE VISHWESHWAR SAHAKARI BANK LIMITED	VSB
UPI	TJSB Bank	TJB
UPI	TJSB SAHAKARI BANK LTD	TJS
UPI	UCO Bank	UCO
UPI	Ujjivan Small Finance Bank Limited	UJV
UPI	Union Bank of India	UBI
UPI	United Bank of India	UNI
UPI	VASAI VIKAS SAHAKARI BANK LIMITED	VVS
UPI	Vijaya Bank	VJB

MUTUAL FUND CHEQUE IMAGE UPLOAD API FOR NRI MINOR

MUTUAL FUND CHEQUE IMAGE UPLOAD API WEB SERVICE MESSAGE STRUCTURE FOR NRI MINOR

URL	https://bsestarmfdemo.bseindia.com/StarMFImageUpload/api/ImageUpload/ImageUploadBase64

Method 1 : ImageUploadBase64

Request Parameter : (JSON Format)

This Method requires the Image to be Uploaded as a Base64 String

Parameters	Type	Length	Remarks	Mandatory / Non-Mandatory
User ID	Varchar	20		Mandatory
Password ID	Varchar	10		Mandatory
Member Code	Varchar	10		Mandatory
Client Code	Varchar	10		Mandatory
Image Name	Varchar	100		Mandatory
Base 64 String	String			Mandatory
Filler 1	Varchar	50		Non- Mandatory
Filler 2	Varchar	50		Non-Mandatory

Response Parameter : (JSON Format)

Parameters	Type	Length	Remarks
			0- Success
Status	Varchar	3	1- Failure
remarks	varchar	1000	
filler 1	varchar	50	
filler 2	varchar	50	

Method 2 : ImageUploadByte

| URL | https://bsestarmfdemo.bseindia.com/StarMFImageUpload/api/ImageUpload/ImageUploadByte |

Request Parameter : (JSON Format)

This Method requires the Image to be Uploaded as an Unsigned Byte Array

Parameters	Type	Length	Remarks	Mandatory / Non-Mandatory
User ID	Varchar	20		Mandatory
Password ID	Varchar	10		Mandatory
Member Code	Varchar	10		Mandatory
Client Code	Varchar	10		Mandatory
Image Name	Varchar	100		Mandatory
Byte Array	Byte			Mandatory
Filler 1	Varchar	50		Non- Mandatory
Filler 2	Varchar	50		Non-Mandatory

Response Parameter : (JSON Format)

Parameters	Type	Length	Remarks
			0- Success
Status	Varchar	3	1- Failure
remarks	varchar	1000	
filler 1	varchar	50	
filler 2	varchar	50	

SrNo	API Name	Description
1	**ImageUploadBase64**	Cheque Upload for NRI and Minor using Base64 String

Method 1 : ImageUploadBase64

Request Parameter : (JSON Format)

```
{
    "UserId" : "1007689",
    "Password" : "@1234",
    "MemberCode" : "10076",
    "clientcode" : "980",
    "ImageName" : "10076980.pdf",
    "FileData" : "",
    "Filler1" : "",
    "Filler2" : ""
}
```

Response (JSON Format)

```
{
    "Status": "1",
    "Remarks": "",
    "Filler1": null,
    "Filler2": null
}
```

SrNo	API Name	Description
2	**ImageUploadByte**	Cheque Upload for NRI and Minor using Unsigned Byte Array

Method 2 : ImageUploadByte

Request Parameter : (JSON Format)

```
{
    "UserId" : "1007689",
    "Password" : "@1234",
    "MemberCode" : "10076",
    "clientcode" : "980",
    "ImageName" : "10076980.pdf",
    "FileData" : "",
    "Filler1" : "",
    "Filler2" : ""
}
```

Response Parameter : (JSON Format)

```
{
    "Status": "1",
    "Remarks": "",
    "Filler1": null,
    "Filler2": null
}
```

MUTUAL FUND SIP XSIP PAUSE API WEB SERVICE MESSAGE STRUCTURE

MUTUAL FUND SIP XSIP PAUSE API WEB SERVICE MESSAGE STRUCTURE

URL	https://bsestarmfdemo.bseindia.com/StarMFAPI/api/Pause/PauseSIP

API Key : VmxST1UyRkhUbkpOVldNOQ==

Request Parameter : (JSON Format)

Parameter Name	Type	Length	Sample values	Mandatory
Login ID	Varchar	20		Mandatory
Member CODE	Varchar	20		Mandatory
Password	Varchar			Mandatory
Client code	Varchar	10		Mandatory
Registration type	Varchar	5	(SIP/XSIP)	Mandatory
Registration number	Bigint			Mandatory
Modification type	Varchar	50	(pause)	Mandatory
No of instalments	Numeric			Mandatory
Filler 1	Varchar	50		Non - mandatory
Filler 2	Varchar	50		Non - mandatory
Filler 3	Varchar	50		Non - mandatory
Filler 4	Varchar	50		Non - mandatory
Filler 5	Varchar	50		Non - mandatory

Response Parameter : (JSON Format)

Parameter Name	Type	Length	Description	Sample values
Registration number	Bigint			
Bse remarks	Varchar	1000	Bse Response Return remarks	
STATUS flag	Varchar	1	Order success flag	0 - Success & 1 - failure
Filler	Varchar	50		

Pause SIP/ XSIP API JSON Request & Response Example

SrNo	Header	Description
1	**APIKey**	VmxST1UyRkhUbkpOVldNOQ==

Request (JSON Format)

```
{
    "LoginId" : "1000001",
    "MemberCode" : "10000",
    "Password" : "@1234",
    "ClientCode" : "Client1",
    "RegistrationType" : "SIP",
    "RegistrationNumber" : "1234567",
    "ModificationType" : "PAUSE",
    "NoOfInstalments" : "3",
    "filler1" : "NULL",
    "filler2" : "NULL",
    "filler3" : "NULL",
    "filler4" : "NULL",
    "filler5" : "NULL"
}
```

Response (JSON Format)

```
{
        "RegistrationNumber" : "1234567",
        "BseRemarks" : "DATA SAVED SUCCESSFULLY"
        "StatusFlag" : "0",
        "filler" : ""
}
```

MUTUAL FUND SIP TO XSIP SHIFT API WEB SERVICE MESSAGE STRUCTURE

MUTUAL FUND SIP TO XSIP SHIFT API WEB SERVICE MESSAGE STRUCTURE

Method : **SIPtoXSIPShift(POST)**

SrNo	Header	Description
1	**APIKey**	VmxST1UyRkhUbkpOVldNOQ==

URL	https://bsestarmfdemo.bseindia.com/StarMFAPI/api/SIP/SIPtoXSIPShift

REQUEST STRUCTURE

Parameters	TYPE	Length	Sample	Mandatory/Non Mandatory Fields
Unique ID	VARCHAR	30	this ID should be unique for each API call	yes
MEMBER CODE	VARCHAR	10		Yes
USER CODE	VARCHAR	20		Yes
PASSWORD	VARCHAR	30		Yes
SIP Regn Number	VARCHAR	7		yes
Mandate ID	VARCHAR	7		yes
Brokerage	MONEY			no
filler 1	VARCHAR	50		no
filler 2	VARCHAR	50		no

RESPONSE STRUCTURE

Parameters	TYPE	Length	sample
Unique ID	VARCHAR	20	
STATUS	VARCHAR	10	Status : 0 = Success /1= Failed
REMARKS	VARCHAR	1000	

Request Details : (JSON)

```
{
        "UniqueId" : 111,
        "MemberCode" : 10076,
        "UserCode" : 1007601,
        "Password" : "@1234",
        "SIPRegnNumber" : 1012568,
        "MandateID" : 3560,
        "Brokerage" : 0,
        "filler1" : "",
        "filler2" : ""

}
```

Response Details : (JSON)

```
{

        "UniqueId": "111",
        "Status": "1",
        "Remarks": "DUPLICATE UNIQUE ID"

}
```

Additional Resources

The StAR MF UAT Environment Web site is available at

https://bsestarmfdemo.bseindia.com/

You can create your clients after logging in to the StAR MF Website.

Also the Documentation regarding File Structures is available at

https://www.bsestarmf.in/BSE%20StARMF%20File%20Structures.pdf

If requested UAT Environment credentials can be created and provided for IML /Web Service

STANDARD ERROR CODES

GET PASSWORD

ERROR MESSAGES	DESCRIPTION
USER ID SHOULD NOT BE BLANK	Blank value in user Id field
MEMBER ID SHOULD NOT BE BLANK	Blank value in member Id field
PASSWORD SHOULD NOT BE BLANK	Blank value in password field
PASSKEY SHOULD NOT BE BLANK	Blank value in passkey field
USER IS DISABLED. CONTACT ADMIN	User is blocked or disabled
YOU HAVE EXCEEDED MAXIMUM LOGIN ATTEMPTS. CONTACT ADMIN	User has entered wrong password more than 5 times
INVALID ACCOUNT INFORMATION	Incorrect Login details
INVALID USER ID	Incorrect Login ID
THE MEMBER IS SUSPENDED. CONTACT ADMIN	when the given member is blocked or inactive
THE BRANCH IS SUSPENDED. CONTACT ADMIN	when the given member branch is blocked or inactive]
ACCESS TEMPORARILY SUSPENDED. KINDLY BEAR WITH US	when forced login is "YES"
PASSWORD EXPIRED	when the user password has expired
USER NOT EXISTS	when user doesn't pass proper login details

MFAPI

ERROR MESSAGES	DESCRIPTION
INVALID USER ID	Incorrect Login ID
PASSWORD EXPIRED	Incorrect Passkey
PASSWORD EXPIRED	Incorrect User ID
PASSWORD EXPIRED	Login Session Expired, Re-login is required
INVALID PARAM STRING FORMAT	Request string is not proper format
MEMBER CODE MANDATORY	Blank member code
CLIENT CODE MANDATORY	Blank client code
INVALID MEMBER CODE	Incorrect member code
INVALID CLIENT CODE	Incorrect client code
INVALID MANDATE NUMBER	when user passes wrong mandate ID
INVALID MANDATE NUMBER FOR GIVEN CLIENT CODE	Mandate number does not belong to the given client
INVALID ACTION CODE	Incorrect action code
INVALID PAYMENT MODE	Incorrect values in mode column i.e other than "DIRECT/NODAL"
INVALID CLIENT ACCOUNT NUMBER	Incorrect Client account number i.e. Account does not match with the client master
SELECT AT LEAST ONE ORDER	No orders number are sent for payment
INVALID ORDER NUMBER	Incorrect order number or given order number is not associated to the client for which the payment has to be initiated
INVALID TOTAL ORDER AMOUNT	Amount doesn't match with the total amount of the orders that are sent
ORDER NUMBER ALREADY INITIATED	Order number sent for which the payment has already been initiated
PAYMENT DONE FOR THIS ORDER NUMBER	The payment has already been done for the order number sent.
INVALID LOGOUT URL FORMAT	Invalid URL format provided
INVALID ENCRYPTED PASSWORD	Invalid encrypted password sent or when user passes the encrypted password which was generated for last session.

REVISION HISTORY

Sr.No.	Date	Description
1	Nov 4 2015	Base Version
2	Apr 7 2016	Revision 1.0
3	July 29 2016	Revision 1.1
4	Oct 10 2016	Revision 1.2
5	Nov 19 2016	Revision 1.3
6	Jan 01 2017	Revision 1.4
7	Feb 10 2017	Revision 1.5
8	Aug 20 2017	Revision 1.6
9	Nov 11 2017	Revision 1.7
10	Jan 18,2018	Revision 1.8
11	Apr 23,2018	Revision 1.9
12	Jun 13,2018	Revision 2.0
13	Oct 8, 2018	Revision 2.1
14	Mar 15, 2022	Revision 3.0

Revision 3.0

Fields added for Normal and Spread Orders
1. PG reference No
2. Bank Account No

Formats Changed for
SCAN MANDATE Image Upload
1. Scan Mandate image Name changed to mandateid
2. Utility Code Changed
3. Agency Code Changed
4. Sponsor Code Changed

Additional Formats introduced for

1. ENACH AUTHENTICATION API
2. AXIS BANK CHEQUE COLLECTION
3. SIP TO XSIP
4. XSIP MANDATE SHIFT
5. AXIS BANK CHEQUE API
6. NRI CHILD CHEQUE UPLOAD
7. SINGLE PAYMENT API

Removed APIs for

1. UCC
2. Provisional Order API
3. SMS/ SIP Authentication API
4. Order Rejection

Revision 2.1

Formats Changed for

SCAN MANDATE Image Upload
5. Scan Mandate image Name changed to mandateid
6. Utility Code Added
7. Sponsor Code added

Revision 2.0

Additional Formats introduced for

8. PROVISIONAL ORDER REPORT
9. ORDER STATUS REPORT
10. ALLOTMENT STATEMENT REPORT
11. REDEMPTION STATEMENT REPORT
12. e- Mandate Authentication URL Generation
13. ORDER REJECTION

Revision 1.9

Additional Formats introduced for

14. STP CANCELLATION
15. SWP CANCELLATION
16. SCAN MANDATE IMAGE UPLOAD

Formats Changed for

1. MANDATE STATUS

Revision 1.8

Formats Changed for

1. MANDATE REGISTRATION (Option for e-mandate, Mandate Type "E")

Revision 1.7

Formats Changed for

    2.   SIP Message Structure Request (END DATE Added)

Additional Formats introduced for

    1.   Mandate Status API added
    2.   Systematic Plan Authentication (Registration/ Cancellation) API added

Revision 1.6

Formats Changed for

    3.   Mandate (Single Mandate Registration Upload for MFI & MFD and XSIP/ISIP)

Additional Formats introduced for

    1.   Direct Payment Gateway Web Service
    2.   Child Order Web Service
    3.   Image Upload Web Service

Revision 1.5

Additional Formats introduced for

    4.   CKYC UPLOAD

Revision 1.4

Additional Formats introduced for

    5.   CLIENT REDEMPTION SMS AUTHENTICATION

Revision 1.3

Additional Formats introduced for

    1.   CLIENT ORDER PAYMENT STATUS

Revision 1.2

Additional Formats introduced for

17. MANDATE ID CREATION
18. STP REGISTRATION
19. SWP REGISTRATION
20. UCC – MFI
21. ISIP

Formats Changed for

1. Web Service Order Entry Request
   Sub Broker ARN Added in Filler 1, Field Size changed from 10 to 20
   Method Name remains as Param1. This is non- Mandatory

2. Web Service SIP Entry Request
   Sub Broker ARN Added in Filler 1, Field Size changed from 10 to 20
   Method Name remains as Param1. This is non- Mandatory

3. Web Service XSIP/ISP Entry Request
   MANDATE ID changed to XSIP Mandate ID, Either XSIP mandate ID or ISIP Mandate ID is required
   Method Name remains as XsipRegID. This is Mandatory only if ISIP Mandate is not Provided.

   Sub Broker ARN Added in Filler 1, Field Size changed from 10 to 20
   Method Name remains as Param1. This is non- Mandatory

   ISIP MANDATE ID Added in Filler 2, Field Size changed from 10 to 15, Either XSIP mandate ID or ISIP Mandate ID is required
   Method Name remains as Param2. This is Mandatory only if XSIP Mandate ID is not Provided.

4. Web Service SPREAD Entry Request
   Sub Broker ARN Added in Filler 1, Field Size changed from 10 to 20
   Method Name remains as Param1. This is non- Mandatory

5. Web Service SWITCH Entry Request
   Sub Broker ARN Added in Filler 1, Field Size changed from 10 to 20
   Method Name remains as Param1. This is non- Mandatory

Revision 1.1

Additional Formats introduced for

1. MUTUAL FUND ADDITIONAL SERVICES

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