**API Description Document**

**Requestor**

|  |  |
| --- | --- |
| Requestor:  Arpitam Das | Date:  6 – Jul – 2017 |
| Designation  Manager | Department  RBL-BSG |

**Approvals**

|  |  |
| --- | --- |
| Executive Sponsor:  Sujatha Mohan | Date:  6 – Jul – 2017 |
| Business Program Manager:  Abhijeet Davane | Date:  6 – Jul – 2017 |
| Project Manager BSG:  Sudarshan Galipelli | Date:  6 – Jul – 2017 |
| Please add additional rows if you have additional stakeholders that need to approve this document. | |
| Comments: | |

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document/Dept. Owner: | BSG | | | | |
| Created By: | Arpitam Das | | Date: | | 6 – Jul – 2017 |
| Revised By | | Date Revised | | New Version # | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |
|  | |  | |  | |

**Table of Contents**

[1. Scope and Business Case Overview 4](#__RefHeading___Toc413661394)

[1.1 Project Overview 4](#__RefHeading___Toc413661395)

[1.2 Current process & opportunity 4](#__RefHeading___Toc413661396)

[1.3 High-level business requirements 4](#__RefHeading___Toc413661397)

[1.3.1 Functional Requirement 4](#__RefHeading___Toc413661398)

[1.3.2 Non- Functional Requirement 4](#__RefHeading___Toc413661399)

[1.4 Business Benefit Case 4](#__RefHeading___Toc413661400)

[1.4.1 Financial Benefit 4](#__RefHeading___Toc413661401)

[1.4.2 Non-Financial Benefit 4](#__RefHeading___Toc413661402)

[2. Acceptance Criteria & Project Plan 5](#__RefHeading___Toc413661403)

# Introduction

*Project – RBL API Banking*

1. *External Payment Charges Master API.*
2. *External Payment Charges Collection API.*

# List of API

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| 1 | External Payment Charges Master | This service does adding, updating and deleting of Masters such as Channel ID and CORP ID. |
| 2 | External Payment Charges Collection | This service does the collection of External Payment Charges for NEFT, RTGS, IMPS, FT and DD. Also Rate Card Setup and mapping to the respective CORP ID is also maintained in this API. |

## 1-A. API Name

## extcharge\_chargemaster\_NewChannel

## Description

*This service does adding of new Channel Id*

***Process flow, UML Diagram***

*Please add detailed process flow, UML diagram where were necessary.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

<https://apideveloper.rblbank.com/test/sb/rbl/api/charges/masters>

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| ChId | Channel Id | ChId | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel ID to be created and it should be Unique |
| ChName | Channel Name | ChName | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel Name for specified Channel Id |
| ChType | Channel Type | ChType | String | MinLength=1  MaxLength=30  Alphanumeric & ‘\_’ | Type of Channel (Pre Pay / Post Pay) |
| MakerId | Maker Id | MakerId | String | MaxLength=50  Alphanumeric & ‘\_’ | Unique ID for request creator |
| CheckerId | Checker Id | CheckerId | String | MaxLength=50  Alphanumeric & ‘\_’ | Unique ID for request checker |
| ApproverId | Approver Id | ApproverId | String | MaxLength=50  Alphanumeric & ‘\_’ | Unique ID for request approver |
| Comsn\_Acc\_Num | Commission Account Number | Comsn\_Acc\_Num | Numeric | MaxLength=50  Only Numeric | Commission or Charges Account Number |
| swb\_cess\_Acc\_Num | Swacch Bharat Account Number | swb\_cess\_Acc\_Num | Numeric | MaxLength=50  Only Numeric | For blank give values 000 |
| kk\_cess\_Acc\_Num | Krishi Kalyan Cess Account Number | kk\_cess\_Acc\_Num | Numeric | MaxLength=50  Only Numeric | For blank give values 000 |
| ST\_Acc\_Num | GST Account Number | ST\_Acc\_Num | Numeric | MaxLength=50  Only Numeric | GST Account Number |
| ChargesIFSC | IFSC Code | ChargesIFSC | String | MinLength=11  MaxLength=11  Only Alphanumeric | IFSC Number |

## Request Sample

*{*

*"ChannelMasterReq":*

*{*

*"NewChannel":*

*{*

*"ChId": "EXT\_CH07",*

*"ChName": "RBL1",*

*"ChType": "PREPAY",*

*"MakerId": "M001",*

*"CheckerId": "C001",*

*"ApproverId": "A001",*

*"Comsn\_Acc\_Num": "405405405405",*

*"swb\_cess\_Acc\_Num": "000",*

*"kk\_cess\_Acc\_Num": "000",*

*"ST\_Acc\_Num": "405405405405",*

*"ChargesIFSC": "RATN0000070"*

*}*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Status | Response Status | Status | String | ~ | Response for new channel id registered |

## Response Sample

*{"Charges\_Masters\_Response": {"Status": "The New Channel EXT\_CH07 is Registered "}}*

## 1-B. API Name

## extcharge\_chargemaster\_updateChannel

## Description

*This service does adding of updating existing Channel Id*

***Process flow, UML Diagram***

*Please add detailed process flow, UML diagram where were necessary.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

<https://apideveloper.rblbank.com/test/sb/rbl/api/charges/masters>

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| ChId | Channel Id | ChId | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel ID to be updated and it should exist |
| ChName | Channel Name | ChName | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel Name for specified Channel Id |
| ChType | Channel Type | ChType | String | MinLength=1  MaxLength=30  Alphanumeric & ‘\_’ | Type of Channel (Pre Pay / Post Pay) |
| MakerId | Maker Id | MakerId | String | MaxLength=50  Alphanumeric & ‘\_’ | Unique ID for request creator |
| CheckerId | Checker Id | CheckerId | String | MaxLength=50  Alphanumeric & ‘\_’ | Unique ID for request checker |
| ApproverId | Approver Id | ApproverId | String | MaxLength=50  Alphanumeric & ‘\_’ | Unique ID for request approver |
| Comsn\_Acc\_Num | Commission Account Number | Comsn\_Acc\_Num | Numeric | MaxLength=50  Only Numeric | Commission or Charges Account Number |
| swb\_cess\_Acc\_Num | Swacch Bharat Account Number | swb\_cess\_Acc\_Num | Numeric | MaxLength=50  Only Numeric | For blank give values 000 |
| kk\_cess\_Acc\_Num | Krishi Kalyan Cess Account Number | kk\_cess\_Acc\_Num | Numeric | MaxLength=50  Only Numeric | For blank give values 000 |
| ST\_Acc\_Num | GST Account Number | ST\_Acc\_Num | Numeric | MaxLength=50  Only Numeric | GST Account Number |
| ChargesIFSC | IFSC Code | ChargesIFSC | String | MinLength=11  MaxLength=11  Only Alphanumeric | IFSC Number |

## Request Sample

*{*

*"ChannelMasterReq":*

*{*

*"EditChannel":*

*{*

*"ChId": "EXT\_CH07",*

*"ChName": "",*

*"ChType": "",*

*"MakerId": "",*

*"CheckerId": "",*

*"ApproverId": "",*

*"Comsn\_Acc\_Num": "409000349450",*

*"swb\_cess\_Acc\_Num": "",*

*"kk\_cess\_Acc\_Num": "",*

*"ST\_Acc\_Num": "409000349450",*

*"ChargesIFSC": ""*

*}*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Status | Response Status | Status | String | ~ | Response for channel id updated successfully |

## Response Sample

*{"Charges\_Masters\_Response": {"Status": "The Channel EXT\_CH07 is updated successfully "}}*

## 1-C. API Name

## extcharge\_chargemaster\_DeleteChannel

## Description

*This service does adding of deleting existing Channel Id*

***Process flow, UML Diagram***

*Please add detailed process flow, UML diagram where were necessary.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

1. <https://apideveloper.rblbank.com/test/sb/rbl/api/charges/masters>

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| ChId | Channel Id | ChId | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel ID to be deleted and it should exist |

## Request Sample

*{*

*"ChannelMasterReq":*

*{*

*"RemoveChannel":*

*{*

*"ChId": "EXT\_CH07"*

*}*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Status | Response Status | Status | String | ~ | Response for channel id deleted successfully |

## Response Sample

*{"Charges\_Masters\_Response": {"Status": "The Channel EXT\_CH07 is Deleted Successfully "}}*

## 1-D. API Name

## extcharge\_chargemaster\_NewCorpId

## Description

*This service does adding of new Corp Id*

***Process flow, UML Diagram***

*Please add detailed process flow, UML diagram where were necessary.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

<https://apideveloper.rblbank.com/test/sb/rbl/api/charges/masters>

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| CorpId | Corp ID | CorpId | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | CORP ID to be created and it should be Unique |
| CorpName | Corp Name | CorpName | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Corp Name for specified Corp Id |
| CorpChannel | Channel ID | CorpChannel | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel ID to be mapped to CORP ID |
| CorpAccNum | Corp Account Number | CorpAccNum | Numeric | MaxLength=50  Only Numeric | Account Number to be mapped to CORP Id |
| CorpIFSC | IFSC Code | CorpIFSC | String | MinLength=11  MaxLength=11  Only Alphanumeric | IFSC Number |
| CorpEmail1 | Email 1 | CorpEmail1 | String | MaxLength=50  Alphanumeric & Special Characters | Email ID for CORP |
| CorpEmail2 | Email 2 | CorpEmail2 | String | MaxLength=50  Alphanumeric & Special Characters | Email ID for CORP |
| CorpEmail3 | Email 3 | CorpEmail3 | String | MaxLength=50  Alphanumeric & Special Characters | Email ID for CORP |
| CorpMob1 | Mobile 1 | CorpMob1 | Numeric | MaxLength=10  Only Numeric | Mobile Number |
| CorpMob2 | Mobile 2 | CorpMob2 | Numeric | MaxLength=10  Only Numeric | Mobile Number |

## Request Sample

*{*

*"CorpMasterReq": {*

*"NewCorpId": {*

*"CorpId": "ZSA02",*

*"CorpName": "ZETA",*

*"CorpChannel": "IN\_CH02",*

*"CorpAccNum": "1000112010000333",*

*"CorpIFSC": "CBIN0R10001",*

*"CorpEmail1": "VenkatSai.Nagarjun@rblbank.com",*

*"CorpEmail2": "VenkatSai.Nagarjun@rblbank.com",*

*"CorpEmail3": "VenkatSai.Nagarjun@rblbank.com",*

*"CorpMob1": "9920807241",*

*"CorpMob2": "9920807241"*

*}*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Status | Response Status | Status | String | ~ | Response for new corp id registered |

## Response Sample

## {"Charges\_Masters\_Response": {"Status": "The New CorpID ZSA02 is Registered "}}

## 1-E. API Name

## extcharge\_chargemaster\_updateCorpId

## Description

*This service does updating of existing Corp Id*

***Process flow, UML Diagram***

*Please add detailed process flow, UML diagram where were necessary.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

<https://apideveloper.rblbank.com/test/sb/rbl/api/charges/masters>

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| CorpId | Corp ID | CorpId | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | CORP ID to be updated and it should exist |
| CorpName | Corp Name | CorpName | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Corp Name for specified Corp Id |
| CorpChannel | Channel ID | CorpChannel | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel ID to be mapped to CORP ID |
| CorpAccNum | Corp Account Number | CorpAccNum | Numeric | MaxLength=50  Only Numeric | Account Number to be mapped to CORP Id |
| CorpIFSC | IFSC Code | CorpIFSC | String | MinLength=11  MaxLength=11  Only Alphanumeric | IFSC Number |
| CorpEmail1 | Email 1 | CorpEmail1 | String | MaxLength=50  Alphanumeric & Special Characters | Email ID for CORP |
| CorpEmail2 | Email 2 | CorpEmail2 | String | MaxLength=50  Alphanumeric & Special Characters | Email ID for CORP |
| CorpEmail3 | Email 3 | CorpEmail3 | String | MaxLength=50  Alphanumeric & Special Characters | Email ID for CORP |
| CorpMob1 | Mobile 1 | CorpMob1 | Numeric | MaxLength=10  Only Numeric | Mobile Number |
| CorpMob2 | Mobile 2 | CorpMob2 | Numeric | MaxLength=10  Only Numeric | Mobile Number |

## Request Sample

*{*

*"CorpMasterReq": {*

*"EditCorpId": {*

*"CorpId": "ZSA02",*

*"CorpName": "",*

*"CorpChannel": "",*

*"CorpAccNum": "",*

*"CorpIFSC": "",*

*"CorpEmail1": "",*

*"CorpEmail2": "",*

*"CorpEmail3": "",*

*"CorpMob1": "9920107248",*

*"CorpMob2": ""*

*}*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Status | Response Status | Status | String | ~ | Response for new corp id updated successfully |

## Response Sample

## {"Charges\_Masters\_Response": {"Status": "The corp id ZSA02 is not Exixts to Edit"}}

## 1-F. API Name

## extcharge\_chargemaster\_DeleteCorpId

## Description

*This service does adding of deleting existing Corp Id*

***Process flow, UML Diagram***

*Please add detailed process flow, UML diagram where were necessary.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

1. <https://apideveloper.rblbank.com/test/sb/rbl/api/charges/masters>

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| CorpId | CORP ID | CorpId | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Corp ID to be deleted and it should exist |

## Request Sample

*{*

*"CorpMasterReq": {*

*"RemoveCorpId": {*

*"CorpId": "ZSA02"*

*}*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Status | Response Status | Status | String | ~ | Response for corp id deleted successfully |

## Response Sample

*{"Charges\_Masters\_Response": {"Status": "The CorpID ZSA02 is Removed Successfully "}}*

## 2. API Name

## extcharges

## Description

*This service does collection of External Charges*

***Process flow, UML Diagram***

*Please add detailed process flow, UML diagram where were necessary.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

<https://apideveloper.rblbank.com/test/sb/rbl/api/charges/extchargecalc>

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Channel\_Id | Channel Id | Channel\_Id | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel ID should exist |
| Batch\_ID | Batch Id | Batch\_ID | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Batch Id should be unique for every transactions |
| CORP\_ID | Corp Id | CORP\_ID | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Corp ID should exist |
| TYPE\_OF\_CHARGE | Type of charge | TYPE\_OF\_CHARGE | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Type of charge = Payment |
| RATE\_CARD\_ID | Rate Card Id | RATE\_CARD\_ID | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Rate Card Id should exist |
| MODE | Mode of Payment | MODE | String | MinLength=1  MaxLength=30  Alphanumeric & ‘\_’ | Mode of Payment eg: NEFT, RTGS |
| FROM\_VALUE | From value | FROM\_VALUE | Numeric | MaxLength=30  Only Numeric | From value of amount |
| TO\_VALUE | To Value | TO\_VALUE | Numeric | MaxLength=30  Only Numeric | To value of amount |
| CHARGE | Charge amount | CHARGE | Float | MaxLength=30 | Net Charge Amount |
| GST | GST % | GST | Float | MaxLength=30 | GST percentage |
| DISCOUNT | Discount Value | DISCOUNT | String | MaxLength=30 | Discount value |
| FROM\_VOLUME | From Volume | FROM\_VOLUME | Numeric | MaxLength=30  Only Numeric | From volume of Transaction |
| TO\_VOLUME | To Volume | TO\_VOLUME | Numeric | MaxLength=30  Only Numeric | To volume of Transaction |
| CUT\_OF\_CALLS | Cut of Calls | CUT\_OF\_CALLS | Numeric | MaxLength=30  Only Numeric | No. of Free Transactions |
| VOL\_CHARGE | Volume Charges | VOL\_CHARGE | Float | MaxLength=30 | Volume Charge Amount |
| Txn\_UID | Transaction ID | Txn\_UID | String | MaxLength=70 | Should be unique |
| CORP\_ID | Corp Id | CORP\_ID | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Corp ID should exist |
| Debit\_ACC | Debit Account Number | Debit\_ACC | String | MinLength=1  MaxLength=50 | Debit Account Number |
| Txn\_amt | Transaction Amount | Txn\_amt | Float | MaxLength=50 | Amount of Transaction |
| Txn\_type | Transaction Type | Txn\_type | String | MinLength=1  MaxLength=15 | Type of Transaction. Eg: NEFT, RTGS |
| Txn\_Date | Transaction Date | Txn\_Date | String | MinLength=1  MaxLength=50 | Date and Time of Transaction |

## Request Sample

*{*

*"chargeRequest": {*

*"validate\_info": {*

*"Channel\_Id": "EXT\_CH01",*

*"Batch\_ID": "04072017009"*

*},*

*"RateCard\_details":*

*[*

*{*

*"CORP\_ID": "MC005",*

*"TYPE\_OF\_CHARGE": "Payment",*

*"RATE\_CARD\_ID": "RC\_009",*

*"CHARGES\_DETAILS":*

*[*

*{*

*"MODE":"NEFT",*

*"SLABS":[*

*{*

*"FROM\_VALUE": 1,*

*"TO\_VALUE": 10000,*

*"CHARGE": 30,*

*"GST": 18,*

*"DISCOUNT": " ",*

*"FROM\_VOLUME": 1,*

*"TO\_VOLUME": 100,*

*"CUT\_OF\_CALLS": 250,*

*"VOL\_CHARGE": 0.80*

*},*

*{*

*"FROM\_VALUE": 10001,*

*"TO\_VALUE": 100000,*

*"CHARGE": 35,*

*"GST": 18,*

*"DISCOUNT": " ",*

*"FROM\_VOLUME": 501,*

*"TO\_VOLUME": 1000,*

*"CUT\_OF\_CALLS": 500,*

*"VOL\_CHARGE": 0.70*

*},*

*{*

*"FROM\_VALUE": 100001,*

*"TO\_VALUE": 1000000,*

*"CHARGE": 45,*

*"GST": 18,*

*"DISCOUNT": " ",*

*"FROM\_VOLUME": 1001,*

*"TO\_VOLUME": 10000,*

*"CUT\_OF\_CALLS": 1000,*

*"VOL\_CHARGE": 0.60*

*},*

*{*

*"FROM\_VALUE": 1000001,*

*"TO\_VALUE": 10000000,*

*"CHARGE": 50,*

*"GST": 18,*

*"DISCOUNT": " ",*

*"FROM\_VOLUME": 1001,*

*"TO\_VOLUME": 10000,*

*"CUT\_OF\_CALLS": 1000,*

*"VOL\_CHARGE": 0.50*

*}*

*]*

*},*

*{*

*"MODE":"IMPS",*

*"SLABS":[*

*{*

*"FROM\_VALUE": 1,*

*"TO\_VALUE": 10000,*

*"CHARGE": 25,*

*"GST": 18,*

*"DISCOUNT": " ",*

*"FROM\_VOLUME": 1,*

*"TO\_VOLUME": 500,*

*"CUT\_OF\_CALLS": 250,*

*"VOL\_CHARGE": 0.80*

*},*

*{*

*"FROM\_VALUE": 10001,*

*"TO\_VALUE": 100000,*

*"CHARGE": 30,*

*"GST": 18,*

*"DISCOUNT": " ",*

*"FROM\_VOLUME": 501,*

*"TO\_VOLUME": 1000,*

*"CUT\_OF\_CALLS": 500,*

*"VOL\_CHARGE": 0.70*

*},*

*{*

*"FROM\_VALUE": 100001,*

*"TO\_VALUE": 1000000,*

*"CHARGE": 40,*

*"GST": 18,*

*"DISCOUNT": " ",*

*"FROM\_VOLUME": 1001,*

*"TO\_VOLUME": 10000,*

*"CUT\_OF\_CALLS": 1000,*

*"VOL\_CHARGE": 0.60*

*},*

*{*

*"FROM\_VALUE": 1000001,*

*"TO\_VALUE": 10000000,*

*"CHARGE": 45,*

*"GST": 18,*

*"DISCOUNT": " ",*

*"FROM\_VOLUME": 1001,*

*"TO\_VOLUME": 10000,*

*"CUT\_OF\_CALLS": 1000,*

*"VOL\_CHARGE": 0.50*

*}*

*]*

*}*

*]*

*}*

*],*

*"Transaction\_details": [*

*{*

*"Txn\_UID": "MC005NEFT0407201701",*

*"Corp\_ID": "MC005",*

*"Debit\_ACC": "409000168925",*

*"Txn\_amt": "10000.99",*

*"Txn\_type": "NEFT",*

*"Txn\_Date": "04-JUL-17 12.46.16.195868000 PM"*

*}*

*],*

*"Signature" : {*

*"Signature" : "Signature"*

*}*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Batch\_ID | Batch Id | Batch\_ID | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Batch Id should be unique for every transactions |
| Channel\_Id | Channel Id | Channel\_Id | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel ID should exist |
| InvoiceRefId | Invoice Reference Id | InvoiceRefId | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Invoice Reference Id |
| Invoice\_Date | Invoice Date | Invoice\_Date | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Date of Invoice |
| Channel\_Id | Channel Id | Channel\_Id | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Channel ID should exist |
| Batch\_ID | Batch Id | Batch\_ID | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Batch Id should be unique for every transactions |
| Total\_Num\_of\_Txn | Total number of transactions | Total\_Num\_of\_Txn | Numeric | MaxLength=50  Only Numeric | Total No. of Transactions |
| Total\_ChargesAppliedTxns | Total charges applied transaction | Total\_ChargesAppliedTxns | Numeric | MaxLength=30  Only Numeric | Total No. transactions for charges are applied |
| Total\_ChargesNotAppliedTxns | Total charges not applied | Total\_ChargesNotAppliedTxns | Numeric | MaxLength=30  Only Numeric | Total No. transactions for charges are not applied |
| TOTAL\_TxnsAmt | Total Transaction Amount | TOTAL\_TxnsAmt | Numeric | MaxLength=30  Only Numeric | Total amount of Transactions |
| Total\_ChargesAppliedTxnAmt | Total Charges Applied on Total Transaction | Total\_ChargesAppliedTxnAmt | Numeric | MaxLength=30  Only Numeric | Total Charges Applied on Total Transaction Amount |
| TOTAL\_Chagrd\_Amt | Total Charged Amount | TOTAL\_Chagrd\_Amt | Numeric | MaxLength=30  Only Numeric | Total Charged Amount |
| TOTAL\_Charged\_GST | Total GST charged | TOTAL\_Charged\_GST | Numeric | MaxLength=30  Only Numeric | Total GST Charged |
| Total\_Charge\_PayableAmt | Total Charged Payable Amount | Total\_Charge\_PayableAmt | Numeric | MaxLength=30  Only Numeric | Total Charged Payable Amount |
| TotaTxns | Total number of transactions | TotaTxns | Numeric | MaxLength=50  Only Numeric | Total No. of Transactions |
| NotChargedTxns | Total charges not applied | NotChargedTxns | Numeric | MaxLength=30  Only Numeric | Total No. transactions for charges are not applied |
| TotalChargesAppliedAmt | Total Charges Applied on Total Transaction | TotalChargesAppliedAmt | Numeric | MaxLength=30  Only Numeric | Total Charges Applied on Total Transaction Amount |
| Invoice\_Date | Invoice Date | Invoice\_Date | String | MinLength=1  MaxLength=50  Alphanumeric & ‘\_’ | Date of Invoice |
| Txn\_UID | Transaction ID | Txn\_UID | String | MaxLength=70 | Should be unique |
| Txn\_Time | Transaction Time | Txn\_Time | String | MinLength=1  MaxLength=50 | Time of Transaction |
| Acc\_Num | Debit Account Number | Acc\_Num | String | MinLength=1  MaxLength=50 | Debit Account Number |
| Txn\_type | Transaction Type | Txn\_type | String | MinLength=1  MaxLength=15 | Type of Transaction. Eg: NEFT, RTGS |
| Txn\_amt | Transaction Amount | Txn\_amt | Float | MaxLength=50 | Amount of Transaction |
| Charged\_Amt | Charge of Transaction | Charged\_Amt | Numeric | MaxLength=30  Only Numeric | Charge for a single transaction |
| GST | GST Amount | GST | Numeric | MaxLength=30  Only Numeric | GST Amount |
| TotalTxnChargedAmt | Total Charged Amount | TotalTxnChargedAmt | Numeric | MaxLength=30  Only Numeric | Total of Charges + GST |
| Status | Status of Transactions | Status | String | MinLength=1  MaxLength=50 | Status of Transactions |
| Transaction\_ref | Transaction Reference No. | Transaction\_ref | String | MinLength=1  MaxLength=50 | Transaction Reference No. for successful transactions |
| Debit\_AccNum | Debit Account Number | Debit\_AccNum | String | MinLength=1  MaxLength=50 | Debit Account Number |

## Response Sample

## {"chargesResponse": {

## "valid\_info": {

## "Batch\_ID": "04072017009",

## "Channel\_Id": "EXT\_CH01"

## },

## "ConsolidateResponse": {

## "InvoiceRefId": "EXT/CHAPI/TDB\_1707060207164257",

## "Invoice\_Date": "06-Jul-2017",

## "Channel\_Id": "EXT\_CH01",

## "Batch\_Id": "04072017009",

## "Total\_Num\_of\_Txn": 1,

## "Total\_ChargesAppliedTxns": 1,

## "Total\_ChargesNotAppliedTxns": 0,

## "TOTAL\_TxnsAmt": 10000.99,

## "Total\_ChargesAppliedTxnAmt": 10000.99,

## "TOTAL\_Chagrd\_Amt": 35,

## "TOTAL\_Charged\_GST": 6.3,

## "Total\_Charge\_PayableAmt": 41.3

## },

## "DetailedResponse": {"MC005": {

## "ConsolidateTxnDetails": {

## "TotaTxns": 1,

## "chargedTxns": 1,

## "NotChargedTxns": 0,

## "TotalChargesAppliedAmt": 10000.99,

## "TotaTxnsPayableAmt": 41.3

## },

## "ChargedTxnDetails": {"Transaction": {

## "Invoice\_Date": "04-Jul-17",

## "Txn\_UID": "MC005NEFT0407201701",

## "Txn\_Time": "12-00-00",

## "Acc\_Num": "409000168925",

## "Txn\_type": "NEFT",

## "Txn\_Amt": 10000.99,

## "Charged\_Amt": 35,

## "GST": 6.3,

## "TotalTxnChargedAmt": 41.3

## }},

## "NotChargedTxnDetails": {},

## "Payment": {"paymentInfo": {

## "Status": "InSufficientFunds|| Lien Applied Amt - 41.3 and total Lien Amt 152.8 and Lien Id is RB286941341",

## "Transaction\_ref": "",

## "Debit\_AccNum": "409000168925"

## }}

## }},

## "Signature": {"Signature": "Signature"}

## }}

## Response Codes

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Response Message** |
| SUCCESS |  | SUCCESS |
| FAILURE |  | FAILURE |

## Error Codes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Error Code** |  | **Error Type** | **Short Message** | **Long Message** | **Correcting This Error** | **Error Type** |
| ER001 | | Technical | Improper JSON Format | Improper JSON Format |
| ER002 | | Technical | Schema Validation Failure | Schema Validation Failure |
| ER003 | | General | Invalid CorpId | Invalid CorpId |
| ER004 | | Technical | Technical Failure | Technical Failure |
| ER006 | | Technical | Timeout Exception Occurred | Timeout Exception Occurred |
| ER008 | | General | Invalid Corporate Hierarchy | Invalid Corporate Hierarchy |
| ER012 | | General | Transaction amount greater than Approver Amount Limit | Transaction amount greater than Approver Amount Limit |
| ER013 | | General | Duplicate Transaction Id | Duplicate Transaction Id |
| ER017 | | General | Error Occurred While Calling the Provider Service | Error Occurred While Calling the Provider Service |
| ER018 | | Technical | Error Occurred While Accessing The ESB Database | Error Occurred While Accessing The ESB Database |
| ER020 | | General | Request not valid for the given Debit Acct No | Request not valid for the given Debit Acct No |
| ER038 | | General | Ben ID is not registered | Ben ID is not registered |
| ER045 | | General | Ben ID Provided is Deactivated | Ben ID Provided is Deactivated |
| ER046 | | General | Ben Id provided does not map to the CorpID | Ben Id provided does not map to the CorpID |
| ER047 | | Technical | 'DATABASE EXCEPTION' | 'DATABASE EXCEPTION' |
| ER049 | | General | The amount limits are not set for the entered Mode of Pay | The amount limits are not set for the entered Mode of Pay |
| 1525 | | General | Batch Id Should Be Unique | When duplicate batch id is provided in the response file |
| 1524 | | General | Channel Is Not Registered | Invalid Channel Id |

***Mandatory Tags for External Charges Master***

