# FD-RD Inquiry
## API Specification Document

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### Introduction

API for making Inquiry for Fixed and Recurring deposit accounts with RBL Bank.

### LIST OF API

| Sr. No | Name | Description |
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### API Name
FDRDInquiry

### Description
API for Inquiring Fixed and Recurring deposit accounts with RBL Bank.

### Transport protocol (SOAP / REST)
REST

### API Request URLs
https://apideveloper.rblbank.com/test/sb/rbl/api/v1/enq-fd-rd/enquiry

### Access Requirement
NA

### Request Parameters

| Business Parameter Name | Description | Parameter Name | Parameter Type | Parameter Constraints | Comments | Mandatory/Option |
|---|---|---|---|---|---|---|
| Header__TranID | Transaction Id | TranID | AN | MaxLength=16 | Transaction ID generated by consumer which is unique | M |
| Header__Corp_ID | Corporate Id | Corp_ID | AN | MaxLength=20 | Unique ID assigned to each enrolled Corporate | M |
| Header__Maker_ID | Maker Id | Maker_ID | AN | MaxLength=20 | Unique ID for request creator | NA |
| Header__Checker_ID | Checker Id | Checker_ID | AN | MaxLength=20 | Unique ID for request checker | NA |

| Header__Approver_ID | Approver Id | Approver_ID | AN | MaxLength=20 | Unique ID for request approver | NA |
|---|---|---|---|---|---|---|
| Body__AcctNo | Account number | AcctNo | N | MaxLength=16 | FD-RD Customers Account no to be withdrawn | M |

**Request Sample**

```
{
    "TDAcctInqRequest": {
        "Header": {
            "TranID": "AP16021601",
            "Corp_ID": "MC009",
            "Maker_ID": "",
            "Checker_ID": "",
            "Approver_ID": ""
        },
        "Body": {
            "AcctNo": "759000191798"
        }
    }
}
```

*Response Parameters*

| Business Parameter Name | Description | Parameter Name | Parameter Type | Parameter Constraints | Comments |
|---|---|---|---|---|---|
| Header__TranID | Transaction Id | TranID | AN | MaxLength=16 | Transaction ID generated by consumer which is unique |
| Header__Corp_ID | Corporate Id | Corp_ID | AN | MaxLength=20 | Unique ID assigned to each enrolled Corporate |
| Header__Maker_ID | Maker Id | Maker_ID | AN | MaxLength=20 | Unique ID for request creator |

| | | | | | |
|---|---|---|---|---|---|
| Header__Checker_ID | Checker Id | Checker_ID | AN | MaxLength=20 | Unique ID for request checker |
| Header__Approver_ID | Approver Id | Approver_ID | AN | MaxLength=20 | Unique ID for request approver |
| Body__CustId | Customer ID | CustId | N | MaxLength=16 | Customer ID |
| Body__AcctId | Account Number | AcctId | N | MaxLength=16 | Account Number |
| Body__AcctName | Account holder Name | AcctName | AN | NA | Account holder Name |
| Body__AcctShortName | Account holder Short Name | AcctShortName | AN | NA | Account holder Short Name |
| Body__SchmCode | Scheme code | SchmCode | AN | MaxLength=10 | Scheme code |
| Body__AcctOpnDt | Account open date | AcctOpnDt | ISO Date | MaxLength=25 | Account open date |
| Body__MaturityDt | Maturity Date | MaturityDt | ISO Date | MaxLength=25 | Maturity Date |
| Body__BankAcctStatusCode | Bank account status code | BankAcctStatusCode | C | MaxLength=1 | Bank account status code |
| Body__AcctStmtMode | Statement mode | AcctStmtMode | A | MaxLength=1 | Statement mode |
| Body__AcctStmtFreq__Cal | Statement Frequency | Cal | AN | MaxLength=2 | Statement Frequency |
| Body__AcctStmtFreq__Type | Frequency Type | Type | AN | MaxLength=2 | Frequency Type |
| Body__AcctStmtFreq__StartDt | Statement start date | StartDt | ISO Date | MaxLength=25 | Statement start date |

| | | | | | |
|---|---|---|---|---|---|
| Body__AcctStmtFreq__WeekDay | Statement day of theWeek | WeekDay | N | MaxLength=2 | Statement day of theWeek |
| Body__AcctStmtFreq__WeekNum | Statement day number of the Week | WeekNum | N | MaxLength=2 | Statement day number of the Week |
| Body__AcctStmtFreq__HolStat | Holiday | HolStat | N | MaxLength=1 | Holiday |
| Body__DespatchMode | Dispatch Mode | DespatchMode | A | MaxLength=1 | Dispatch Mode |
| Body__AcctBalAmt__amountValue | Account balance | amountValue | N | MaxLength= | Account balance |
| Body__AcctBalAmt__currencyCode | Currency code | currencyCode | A | MaxLength=3 | Currency code |
| Body__FreezeStatusCode | Freeze status | FreezeStatusCode | AN | MaxLength=2 | Freeze status |
| Body__FreezeReasonCode | Freeze reason | FreezeReasonCode | AN | MaxLength=1 | Freeze reason |
| Body__AccrIntRate__value | Interest rate | value | N | FLOAT | Interest rate |
| Body__NetIntRate__value | Net interest rate | value | N | FLOAT | Net interest rate |
| Body__TotalIntAmt__amountValue | Initial amount | amountValue | N | >500 and <49999999 | Initial amount |

| | | | | | |
|---|---|---|---|---|---|
| Body__InitialDeposit__amountValue | Initial deposit | amountValue | N | >500 and <4999999 9 | Initial deposit |
| Body__CurrDeposit__amountValue | Current deposit | amountValue | N | >500 and <4999999 9 | Current deposit |
| Body__OrigMaturityAmt__amountValue | Original maturity amount | amountValue | N | >500 and <4999999 9 | Original maturity amount |
| Body__MaturityAmt__amountValue | Maturity amount | amountValue | N | >500 and <4999999 9 | Maturity amount |
| Body__DepositTerm__Days | Deposit term Days | Days | N | MaxLengt h=2 | Deposit term Days |
| Body__DepositTerm__Months | Deposit term Months | Months | N | MaxLengt h=2 | Deposit term Months |
| Body__RepayAcctId__AcctId | Repayme nt account number | AcctId | N | MaxLengt h=16 | Repaym ent account number |
| Body__RenewalDtls__AutoCloseOnMatu rityFlg | Autoclos ure status | AutoCloseOnMat urityFlg | A | MaxLengt h=1 | Autoclos ure status |
| Body__RenewalDtls__AutoRenewalflg | Auto renewal status | AutoRenewalflg | A | MaxLengt h=1 | Auto renewal status |

| | | | | | |
|---|---|---|---|---|---|
| Body__RenewalDtls__MaxNumOfRenewalAllwd | Maximum renewal allowed | MaxNumOfRenewalAllwd | N | MaxLength=2 | Maximum renewal allowed |
| Body__RenewalDtls__RenewalTerm__Days | Renewal term days | Days | N | MaxLength=2 | Renewal term days |
| Body__RenewalDtls__RenewalTerm__Months | Renewal term months | Months | N | MaxLength=2 | Renewal term months |
| Body__RenewalDtls__RenewalOption | Renewal option | RenewalOption | A | MaxLength=1 | Renewal option |
| Body__RenewalDtls__RenewalAmt__amountValue | Renewal amount | amountValue | N | >500 and <4999999 9 | Renewal amount |
| Body__RenewalDtls__RenewalAddnlAmt__amountValue | Renewal additional amount | amountValue | N | >500 and <4999999 9 | Renewal additional amount |

***Response Sample***

{"TDAcctInqResponse": {
  "Header":   {
    "TranID": "AP16021601",
    "Corp_ID": "MC009",
    "Maker_ID": "",
    "Checker_ID": "",
    "Approver_ID": ""
  },
  "Body":   {
    "CustId": 10642082,
    "AcctId": 759000191798,
    "AcctName": "VARUN2082 D DHAWAN",
    "AcctShortName": "VARUN",
    "SchmCode": "RDPUB",
    "AcctOpnDt": "2016-03-30T00:00:00.000",
    "MaturityDt": "2019-02-28T00:00:00.000",
    "BankAcctStatusCode": "A",
    "AcctStmtMode": "P",
    "AcctStmtFreq":      {
      "Cal": "",
      "Type": " ",
      "StartDt": 0,
      "WeekDay": 0,
      "WeekNum": " ",
      "HolStat": " "
    },
    "DespatchMode": " ",
    "AcctBalAmt":      {
      "amountValue": 4000,
      "currencyCode": "INR"
    },
    "FreezeStatusCode": " ",
    "FreezeReasonCode": "",
    "AccrIntRate": {"value": 8.933331},
    "NetIntRate": {"value": 9},
    "TotalIntAmt": {"amountValue": 20445},
    "InitialDeposit": {"amountValue": 4000},
    "CurrDeposit": {"amountValue": 4000},
    "OrigMaturityAmt": {"amountValue": 160445},

```
    "MaturityAmt": {"amountValue": 160445},
    "DepositTerm":      {
      "Days": 0,
      "Months": 35
    },
    "RepayAcctId": {"AcctId": 309001626173},
    "RenewalDtls":      {
      "AutoCloseOnMaturityFlg": "Y",
      "AutoRenewalflg": "N",
      "MaxNumOfRenewalAllwd": 0,
      "RenewalTerm":        {
        "Days": 0,
        "Months": 0
      },
      "RenewalOption": "M",
      "RenewalAmt": {"amountValue": 0},
      "RenewalAddnlAmt": {"amountValue": 0}
    }
  }
}}
```

### *Response Codes*

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

### *Error Codes*

| Error Code | Error Type | Short Message | Long Message | Correcting This Error | Error Type |
|---|---|---|---|---|---|
| ER001 | Failure | Improper JSON Format | Improper JSON Format | NA | NA |
| ER002 | Failure | Schema Validation Failure | Schema Validation Failure | NA | NA |
| ER003 | Failure | Invalid CorpId | Invalid CorpId | NA | NA |
| ER004 | Failure | Technical Failure | Technical Failure | NA | NA |
| ER006 | Failure | Timeout Exception Occurred | Timeout Exception Occurred | NA | NA |
| ER007 | Failure | Other FI Error | Other FI Error | NA | NA |
| ER008 | Failure | Invalid Corporate Hierarchy | Invalid Corporate Hierarchy | NA | NA |

| ER013 | Failure | Duplicate Transaction Id | Duplicate Transaction Id | NA | NA |
|-------|---------|--------------------------|--------------------------|----|----|
| ER017 | Failure | Error Occurred While Calling Provider Service | Error Occurred While Calling Provider Service | NA | NA |
| ER018 | Failure | Error Occurred While Accessing The ESB Database | Error Occurred While Accessing The ESB Database | NA | NA |
| ER069 | Failure | Length of TranID cannot be greater than 16 | Length of TranID cannot be greater than 17 | NA | NA |
| ER070 | Failure | Please enter Corp_ID | Please enter Corp_ID | NA | NA |
| ER071 | Failure | Length of Corp_ID cannot be greater than 20 | Length of Corp_ID cannot be greater than 21 | NA | NA |
| ER072 | Failure | Length of Maker_ID cannot be greater than 20 | Length of Maker_ID cannot be greater than 21 | NA | NA |
| ER073 | Failure | Length of Checker_ID cannot be greater than 20 | Length of Checker_ID cannot be greater than 21 | NA | NA |
| ER074 | Failure | Length of Approver_ID cannot be greater than 20 | Length of Approver_ID cannot be greater than 21 | NA | NA |
| ER078 | Failure | Please enter AcctNo | Please enter AcctNo | NA | NA |
| ER079 | Failure | Length of AcctNo cannot be greater than 16 | Length of AcctNo cannot be greater than 17 | NA | NA |

*Appendix*

NA