



RBI e-Kuber – GST Receipts & Memorandum of Error

Technical Specifications for Government Integration v1.4.1

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1. Abbreviations

CAN	Notification of Case Assignment
CAR	Reject investigation of Case Assignment
CN	Credit Notification
CIN	Challan Identification Number
CPIN	Common Portal Identification Number
GST	Goods and Service Tax
MoE	Memorandum of Errors
NR	Non receipt
UA	Unable to Apply

2. Introduction

RBI eKuber CBS will act as a consolidation system for the GST taxes being collected by agency banks. The agency banks will submit the eReceipts files to eKuber CBS for validation, accounting and consolidation. The agency banks will upload the files to a SFTP server hosted by Reserve Bank of India.

The eKuber CBS will download the files, validate the data and then post the accounting entries in CBS. The accounting entries are generated by debiting the agency bank's account and crediting the funds to the respective government account. As a confirmation to the receipts, credit notification is sent to the respective government. Also, RBI will provide an account statement or the summary of these transactions by EOD. The files being exchanged in this process will be digitally signed by the originator to ensure that the data is not tampered by an unauthorized intermediary system.

Similarly, in case of any error reporting, the Memorandum of Error (MoE) will be used wherein the Government will submit the MoE files to eKuber CBS for validation and final resolution of error along-with accounting (if any).

The eKuber CBS will download the files, validate the data and then either send a resolution and post the accounting entries in CBS or, will forward the MoE files. The accounting entries will be generated by debiting the agency bank's account and crediting the funds to the respective government account in case of shortfall in earlier reporting.

RBI will provide a Credit Notification in case of credit being passed onto the Government. It will also provide an account statement or the summary of these transactions by EOD. In case any credit is passed onto as part of MoE resolution, a MoE Credit Notification will be passed onto the government. MoE Credit Notification is nothing but a Credit Notification with a Case ID representing a MoE Case. The files being exchanged in this process will be

digitally signed by the originator to ensure that the data is not tampered by an unauthorized intermediary system.

This document provides detailed technical specifications for the eReceipts GST business process and GST Memorandum of Error business process. The document covers specifications about various types of files being exchanged, and the underlying security aspects.

3. File Exchange through SFTP Server

3.1. SFTP Users

The file exchange between the governments and eKuber CBS will be enabled through an SFTP server hosted at Reserve Bank of India. The government systems can connect to the SFTP server.

For each government, a dedicated user will be created in the SFTP server. The user will have permissions to read/write files into the permitted directories. The credentials of the user (IP Address, Port, User Name and Password) will be shared with the governments. The credential can be used by the government systems to login, open a session and read/write files into their respective file directories.

3.2. Folder Structure

Each government root directory will contain two folders namely **ERGST & ACST**. The folder structure will be as follows

- **ERGST**
 - **CN**
 - **Done**
 - **CNACK**
 - **Done**
 - **CNNCK**
 - **Done**
 - **MOE**
 - **CASE**
 - **Done**
 - **CASEACK**
 - **Done**
 - **CASENCK**

- Done
 - RES
 - Done
 - RESACK
 - Done
 - RESNCK
 - Done
-
- ACST
 - Done
 - ACSTACK
 - Done
 - ACSTNCK
 - Done

While the ERGST folder will be used to exchange Credit Notification (CN) and MoE files, the ACST folder will be used to exchange the account statements.

The eKuber System generates the Credit Notification files at periodic intervals. These files will then be uploaded to the ERGST/CN folder in zip format. The respective government systems on downloading and consuming the files should move the files into the ERGST/CN/DONE folder.

After the consumption of CN, government systems will place the ACK or, NCK to CN into ERGST/CNACK and ERGST/CNNCK folders respectively which will be picked up by eKuber System and will be moved to ERGST/CNACK/DONE and ERGST/CNNCK/DONE respectively.

The government system has to place the MoE files into the ERGST/MOE/CASE folder which will be picked up by the eKuber System and will be moved to ERGST/MOE/CASE/DONE folder. The eKuber system will generate Acknowledgement and Negative Acknowledgement that will be placed into the ERGST/MOE/CASEACK and ERGST/MOE/CASENCK folders respectively. Similarly, the financial and non-financial resolution of MoE will be provided by RBI and the files will be placed in the ERGST/MOE/RES folder. The respective government systems on downloading and consuming the files should move the ACK files into the ERGST/MOE/CASEACK/DONE folder, NCK files into the ERGST/MOE/CASENCK/DONE folder and resolution files into ERGST/MOE/RES/DONE folder. Once the resolution is provided by RBI, government system also acknowledges the resolution by sending an acknowledgement or, negative acknowledgement to ERGST/MOE/RESACK and ERGST/MOE/RESNCK respectively which the RBI system will move it to the respective DONE folders.

The eKuber System generates the Account Statement files for all subscribed accounts at EOD. These files will then be uploaded to the ACST folder in zip format. The respective governments need to move the files to ACST/DONE folder.

After the consumption of ACST files, government systems will place the ACK or, NCK to CN into the ACST/ACSTACK and ACST/ACSTNCK folders respectively which will be picked up by eKuber System and will be moved to ACST/ACSTACK/DONE and ACST/ACSTNCK/DONE respectively.

As the files can be large, it may take some time for the RBI system / government system to upload these files. During the upload phase, the file should be named as **{File Name}.tmp** After the upload is completed, the file should be renamed as **{File Name}.zip** This will ensure that RBI / government systems will pick up only those files which are fully uploaded into the SFTP server's directory. On downloading and consuming the files, the RBI / government systems should move the files into the respective DONE folder.

4. Security Aspects

4.1. Digital Signing - Details

RBI uses digital certificate issued by Certificate Authority - IDRBT. The following points will detail the digital signing approach implemented at RBI for signing the files that being exchanged with the governments.

- The RBI eKuber application will generate an xml file (with extension .xml in lower case) which contains the GST receipts / GST credit notification/ GST MoE credit notification / GST MoE resolution details.
- The entire content of the XML file from the **<RequestPayload>** tag to **</RequestPayload>** tag (inclusive of the tags and prolog) will be considered as one message for digital signing purposes.
- The digital signature will be generated as a part of PKCS7 envelope as plain bytes. A PKCS7 envelope will contain the certificate used for signing (known as signer certificate) as well as the digital signature itself.

Note: The PKCS7 envelope will not be BASE-64 encoded. It will not contain any start and end identifiers. The plain PKCS7 envelope which is a sequence of bytes will be written into the .sig file. The .sig file will have the same name as the .xml file.

- The digital signature will be generated using SHA-2(512 bits) algorithm for message digest and RSA-2048 algorithm for encryption.

Note: RBI eKuber helpdesk will share the public key of RBI, while on-boarding the governments.

4.2. eKuber Cryptography Library

The eKuber Cryptography Library provides an API to verify the digital signatures of the files being exchanged between the government and RBI eKuber CBS.

The API is written in JAVA and uses bouncy castle version 155. The governments running JAVA based applications can directly integrate these API into their applications and consume the same for digital signature verification. The API is tested on JAVA 6 & 7 (64 bit only). However, RBI is also providing the source code of the library which can be used as reference to understand how we generate a PKCS7 envelope for the XML file and zip the same along with the XML file.

The security libraries are available with RBI. If required, the same can be requested from RBI.

4.3. Using eKuber Crypto API

The eKuber Crypto API is a java based API which can be used by the government applications to verify the signature of an XML file.

Process to unzip and verify signature

The method

public boolean extractZipandVerify (File inputZipFile)

should be used to unzip and verify signature of an xml file sent by eKuber CBS. To use this API, the zip file should be kept in the secondary storage of the application.

The only parameter **inputZipFile** takes as input a File object pointing to the zip file kept in the secondary storage.

The code inside VerifierClient.java which can be used as reference to understand how to invoke the eKuber Crypto API is explained below.

```

File zipFile=null;
boolean isSuccess = true;
try{

    zipFile=new File("D:/File/ERCP/SignFile/ERV504GSTN0000037220160922000001.zip");
    result = SignerUtil.extractZipandVerify(zipFile);
    if(isSuccess) {
        System.out.println("Sign verification successful");
    }
    else
        System.out.println("Sign verification failed");
}

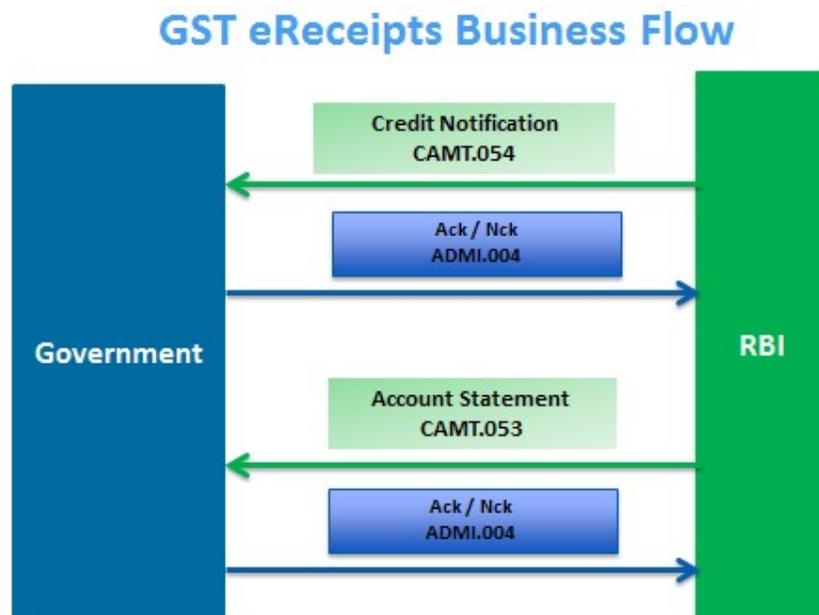
```

In the above example, the zip file is available in D/File/ERGST/SignFile folder. The **extractZipAndVerify** method returns a Boolean value which indicates the result of verification.

5. Business Flows

5.1. eReceipts GST Business Flow

The business flow for GST eReceipts is provided in the diagram below:



- GST eReceipts is collected by RBI from Agency Banks as well as from direct receipts via inward NEFT / RTGS in designated RBI accounts.
- Once collected, RBI consolidates and provides credit to government in their respective accounts.

- At periodic intervals or, at the end of the day as per the government's subscription, Credit Notification in the form of CAMT.054 is provided by RBI to each government.
- The government system on consuming the Credit Notification provides an acknowledgement or, negative acknowledgement by sending an ADMI.004 message.
- At the end of each day, an account statement in the form of CAMT.053 is also provided by RBI to each government.
- The government system on consuming the Account statement provides an acknowledgement or, negative acknowledgement by sending an ADMI.004 message.

5.2. eReceipts GST Credit Notification (CN)

RBI has come up with a concept, where a business day will be broken down into multiple business sessions. The receipts consolidation process will get executed at the end of each session and the corresponding scrolls are generated immediately. Hence, government will receive the credit notifications incrementally at the end of every business session.

Presently, there would be 12 sessions for GST eReceipts numbered Session '01' to Session '12' starting from 9AM and ending at 8PM or, day-end, whichever is later.

Credit Notification will contain the challans reported by agency banks for the government and the challans reported via NEFT/ RTGS channels.

Payer details, CPIN, Tax Remittance Information, Unique Reference Number assigned by RBI and Mode of Remittance will be provided in the notification for government reference (or) reconciliation.

Each credit notification will have a unique Message Identification. Page Number in the notification will provide the current notification number for the session & for the account identifier and the Last Page indicator will specify, whether the current notification is the last notification for the session & for the account identifier. Current Session ID or the session in which the challans are reported can be identified from the notification file name (Refer the file specification).

Each Entry in the credit notification can be related to a transaction accounting batch (or) credit entry in the account statement, same can be related using the Message Identification specified in the Credit Notification & Account Statement for reconciliation.

5.3. eReceipts GST CN ACK/ NCK

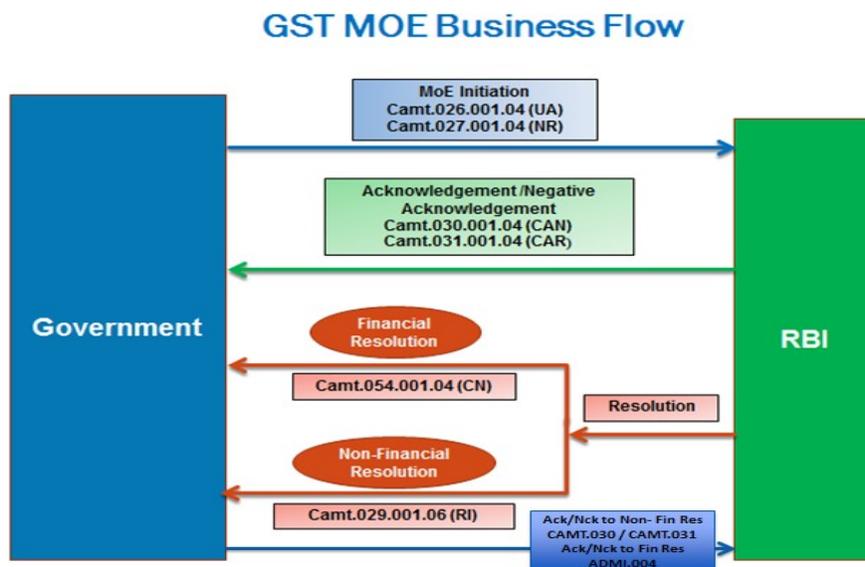
On receiving a Credit Notification from RBI, government system will acknowledge the receipt of the CN with an Acknowledgement. This acknowledgement could be either Positive or Negative Acknowledgement. All acknowledgements will be identified from the Indicator for Notification Status as Positive acknowledgement when the same contains 'ACK' and as Negative Acknowledgement when the same indicator contains 'NCK'.

The various status codes which can be used in the acknowledgement is as follows:

No.	Code	Description	Remarks
1	ACCP	Ack for the Notification	Positive Ack
2	EX0005	Could not find the XML in the Zip File	Negative Ack
3	EX0006	Digital Signature File Missing in the Zip File	Negative Ack
4	EX0007	Digital Certificate found to be Revoked	Negative Ack
5	EX0008	Digital Certificate found to be Expired	Negative Ack
6	EX0009	Certificate Serial Mismatch	Negative Ack
7	EX0010	Signature Verification Failed	Negative Ack
8	EX0030	Invalid Zip File	Negative Ack
9	EX0031	Duplicate File Name	Negative Ack
10	EX0032	Duplicate File	Negative Ack
11	EX0033	Invalid File Naming Convention	Negative Ack
12	EX0034	Public key not available for Signature verification	Negative Ack
13	EX0903	XSD Validation Failure	Negative Ack

5.4. eReceipts GST MoE Business Flow

The business flow for MoE is provided in the diagram below:



- MoE can be initiated by Government using CAMT.026 (Unable to Apply) or, CAMT.027 (Non Receipt).
- Each MoE would be identified by Case ID. Once a MoE is initiated, a Case reference ID would be generated following a unique configuration of Admin Zone (2-digit state code) + 4-digit UDCH Code + YYYYMMDD(8) + Running Sequence No. for the Financial Year(6).
- Each discrepancy would be identified by a Reason Code.
- No changes can be made in Reason code for any case ID.
- In case of multiple discrepancies, multiple Case IDs need to be created for the same End to End ID.
- The MoE message on receipt at RBI would be validated and an acknowledgement / negative acknowledgement would be sent immediately by the system using CAMT.030 or, negative acknowledgement using CAMT.031
- RBI will send a resolution either a Financial resolution using MoE CAMT.054 (MoE Credit Notification) or, a non-financial resolution using CAMT.029 stating the confirmation or, rejection of the MoE.
- The government system on consumption of the resolution will provide an acknowledgement through CAMT.030 / CAMT.031 for non-financial resolution and through ADMI.004 for financial resolution.

5.5. eReceipts GST MoE CASE Initiation

The government will initiate a MoE whenever there is a reconciliation issue in the challan processing. The scenarios where the reconciliation issue could arise are when there is

1. Missing CIN/End to End ID (**CIN and End To End ID are used interchangeably in this document*)
2. Invalid CIN
3. Reported Amount more than actual for the CIN
4. Reported Amount less than actual for the CIN

Two different file formats are used for initiating a MoE.

1. Camt.027.001.04(NR) – Government Claim non Receipt
2. Camt.026.001.04(UA) – Government Unable to Apply

Government Claim non Receipt - Camt.027.001.04(NR) format should be used only for initiating Missing CIN or End to End ID. In Camt.027.001.04(NR) tag <MssngCoverInd> should be set as *TRUE* in such cases.

Government Unable to Apply - Camt.026.001.04(UA) should be used when the government is not able to consume the reported CIN by RBI due to data discrepancies. MoE Initiation codes for the discrepancy scenarios are described below. These codes should be provided in the tag <IncrrectInf> in Camt.026.001.04 (UA)

No.	Code	Description
1	MEIN01	Invalid End-To-End Id(CIN)
2	MEIN02	Reported Amount More than Actual
3	MEIN03	Reported Amount Less than Actual

MEIN01 – Invalid End To End Id (CIN)

Invalid End To End ID can be initiated in two cases

1. A Duplicate End to End ID is reported by RBI in the CN
2. End to End ID reported by RBI in the CN is not reported by the Originating system – GSTN In both the cases, same code MEIN01 is used. In the first case Duplicate End to End Id, one more tag in the camt.026 file takes significance i.e. <PssbIDplctInstr>. When the value for this tag is set as TRUE then it will be considered as Duplicate End To End ID reported case.

MEIN02 – Reported Amount more than Actual

During reconciliation the government is able to match the CIN but the amount reported by RBI in the CN found to be more than the actual. In such cases MEIN02 should be used in the MoE initiation

MEIN03 – Reported Amount less than Actual

During reconciliation the government is able to match the CIN but the amount reported by RBI in the CN found to be less than the actual. In such cases MEIN03 should be used in the MoE initiation

5.6. eReceipts GST MOE CASE ACK / NCK

On receiving a MoE request from the government, RBI will acknowledge the receipt of the MoE with an Acknowledgement. This acknowledgement could be either Positive or Negative Acknowledgement. Whenever a MoE is received by RBI basic validations like signature validation, syntax validation and other Technical validations will be done. Based on the results of validations, Acknowledgement will be sent to the Government. A single MoE file may contain multiple cases, in such scenarios acknowledgment will be sent for each case. All positive acknowledgements will be sent in CAN – camt.030 file format and negative acknowledgements will be sent in CAR – camt.031 file format.

The different reason codes which can be used in the acknowledgement are described below

Positive Acknowledgement – Camt.030

In the Camt.030 file the reason codes will be given in <Justfn> tag

No.	Reason Code	Description
1	ACTC	Accepted Technical Validation

Negative Acknowledgement – Camt.031

In the Camt.031 file the reason codes will be given in <RjctnRsn> tag

No.	Reason Code	Description
1	MEX01	Digital Signature Verification Failed
2	MEX02	Invalid XML / XSD Validation Failure
3	MEST01	Invalid From Id in the App Header
4	MEST02	Invalid To Mmbld in the App Header
5	MEST03	Duplicate Assignment Id
6	MEST04	Invalid Assigner
7	MEST05	Invalid Assignee
8	MEST06	Invalid Case Id
9	MEST07	Duplicate Case Id
10	MEST08	Resolved Case Id
11	MEST09	Invalid Case Creator Account
12	MEST10	Invalid Case Creator Scheme Code(Tax Id)
13	MEST11	Invalid Original Message Id
14	MEST12	End-To-End Id (CIN) not reported in CN
15	MEST13	End-To-End Id does not pertain to the Message Id specified
16	MEST14	Incorrect Original Instructed Amount reported for End-To-End Id
17	MEST15	Incorrect Requested Execution Date
18	MEST16	Invalid Justification Code
19	MEST17	End-To-End Id has already been reported

5.7. eReceipts GST MoE RESOLUTION

Once the validations are over, RBI will analyse the MoE, case by case and resolution will be provided to the government accordingly. The resolution to the government from RBI can be in two formats

1. Camt.029.001.06 - Resolution of Investigation
2. Camt.054.001.06 - MoE Credit Notification

RBI resolution could be either accepting the MoE claim by the government or refuting the claim request.

In case of refuting the MoE claims, following reject reason codes are used in the Camt.029 file in the tag <RjctdMod>

No.	Code	Description
1	MEUM01	End-To-End Id(CIN) Reported earlier is Valid
2	MEUM02	End-To-End Id(CIN) does not pertain to Assignee Bank
3	MEUM03	End-To-End Id(CIN) has not been reported by Assignee Bank
4	MEUM04	End-To-End Id(CIN) has already been reported
5	MEUM05	End-To-End Id(CIN) Reported is not duplicate
6	MEUM06	Amount Reported for End-To-End Id(CIN) is Correct
7	MEUM07	Total Challan Amount reported was Correct
8	MEUM08	Tax ID / Code Reported was Correct

Whenever RBI accepts the MoE claim, the resolution could be sent in Camt.029 or Camt.054. In the Camt.029, <Conf> tag will be used to confirm the MoE claim.

Resolution for Missing CIN

In case of Missing CIN, If RBI is refuting the case, a camt.029 will be sent to Government. If it is a genuine missing CIN case, RBI's resolution will be processing the missing CIN and send a MoE CN (camt.054) to the government. In this case Camt.029 will not be sent.

Resolution for MEIN01 – Invalid End To End Id (CIN)

In case of Invalid End To End ID, If RBI is refuting the case, a camt.029 will be sent to Government. If RBI has actually reported an Invalid End To End ID, RBI will process the actual End to End ID and a camt.029 with the correct End to End ID will be sent to the government

Resolution for MEIN02 – Reported Amount more than Actual

In case of 'Reported Amount more than Actual' case, If RBI is refuting the case, a camt.029 will be sent to Government. If RBI has actually reported more than actual, then a camt.029 will be sent accepting the claim. On receiving the confirmation from RBI on the excess amount, government should initiate the Payment Initiation request to refund the excess

Resolution for MEIN03 – Reported Amount less than Actual

In case of 'Reported Amount less than Actual' case, If RBI is refuting the case, a camt.029 will be sent to Government. If RBI has actually reported less than actual, then RBI will do the accounting to credit the government with the deficit amount and MoE CN (camt.054) will be sent to the government

5.8. eReceipts GST MOE NON-FIN RES ACK / NCK

On receiving a MoE non-financial resolution from RBI, government system will acknowledge the receipt of the MoE Resolution with an Acknowledgement. This acknowledgement could be either Positive or Negative Acknowledgement. All positive acknowledgements will be

sent in CAN – camt.030 file format and negative acknowledgements will be sent in CAR – camt.031 file format.

The different reason codes which can be used in the acknowledgement is same as mentioned in the MOE CASE ACK/NCK section. Please refer Section 5.6 for more details.

5.9. eReceipts GST MOE FIN RES ACK / NCK

On receiving a MoE financial resolution from RBI, government system will acknowledge the receipt of the MoE Resolution with an Acknowledgement. This acknowledgement could be either Positive or Negative Acknowledgement. All the acknowledgements will be sent in ADMI.004 file format and positive or, negative acknowledgements can be identified with Notification Status Indicator and Event Code.

The different reason codes which can be used in the acknowledgement is same as mentioned in the CN ACK/NCK section. Please refer Section 5.3 for more details.

5.10. eReceipts GST ACCOUNT STATEMENT

Government can opt for the account statement by subscribing to this service and by communicating the account numbers for which an account statement is required by end of day.

Account statement will have the summary of the transactions taken place in that particular account for the current business day.

5.11. eReceipts GST ACCOUNT STATEMENT ACK / NCK

On receiving Account Statement from RBI, government system will acknowledge the receipt of the same with an Acknowledgement. This acknowledgement could be either Positive or Negative Acknowledgement. All the acknowledgements will be sent in ADMI.004 file format and positive or, negative acknowledgements can be identified with Notification Status Indicator and Event Code.

The different reason codes which can be used in the acknowledgement is same as mentioned in the CN ACK/NCK section. Please refer Section 5.3 for more details.

6. File Formats

6.1. eReceipts GST Credit Notification File Format

The eReceipts Credit Notification is designed in ISO 20022 based camt.054 format.

Tag Name	Description
<Ntfctn>/<Id>	Unique identification, as assigned by the account servicer, to unambiguously identify the account Notification. UDCH code of Govt (or) Agency Bank Code. Structure will be financial year FY(YYYYYY)+12-digit Account No+8-digit Running Sequence No for the financial year e.g. 20171800151620100100000115
<Ntfctn>/<NtfctnPgntn>/<LastPgInd>	Last page indicator depicts whether the page in reference is last page or not the last page for the session
<Ntfctn>/<Acct>/<Id>/<Othr>/<Id>	The Government Account No. , maintained with RBI, for which the Credit Notification is being generated.
<Ntfctn>/<TxSummry>/<TtlCdtNtries>/<NbOfNtries>	Total No. of entries in the CN.
<Ntfctn>/<TxSummry>/<TtlCdtNtries>/<Sum>	The total amount of all the entries
<Ntfctn>/<Ntry>/<NtryRef>	Entry Reference is an unique number generated for each accounting batch. This can be related with the similar tag in Account Statement (Camt.053).
<Ntfctn>/<Ntry>/<Amt>	Amount of the Entry
<Ntfctn>/<Ntry>/<ValDt>/<Dt>	The Accounting Date at RBI when the Amount is credited to Govt. Account
<Ntfctn>/<Ntry>/<NtryDtls>/<Btch>/<NbOfTx>	The no. of underlying transactions considered for the Entry
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Refs>/<MsgId>	The Message Id<MsgId> as reported by the Agency bank. In case of NEFT/RTGS, it is generated by RBI.
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Refs>/<AcctSvcrRef>	The unique reference no. assigned by RBI, for each successful transaction.
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Refs>/<InstrId>	The CPIN as reported by the Agency Bank or Received through NEFT/RTGS
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Refs>	The CIN as reported by the Agency Bank or

>/<EndToEndId>	generated by RBI for NEFT/RTGS receipts
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Refs>/<TxId>	The UTR No. of Transaction received through NEFT/RTGS.
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Refs>/<ClrSysRef>	The Bank Reference No. received from Agency Bank or generated by RBI for NEFT/RTGS Receipts
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Refs>/<ChqNb>	The Cheque or DD No., as reported by Agency Bank when the payment has been made using Cheque or DD
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Amt>	The Amount of the Transaction
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<RltdAgts>/<DbtrAgt>/<FinInstnId>/<ClrSysMmbld>/<Mmbld>	The IFSC Code of the collecting bank branch. In case of NEFT/RTGS, the IFSC Code of the originating bank branch.
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<RltdAgts>/<DbtrAgt>/<BrnchId>/<Id>	The MICR Code of the collecting bank branch. Will be reported only if received from Agency bank.
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Rmtlnf>/<Strd>/<RfrdDocInf>/<Tp>/<CdOrPrtry>/<Cd>	This tag will carry the value "DSPN", only if Agency Bank reports in the luggage file.
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Rmtlnf>/<Strd>/<RfrdDocInf>/<Nb>	Case Id of the MOE.
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Rmtlnf>/<Strd>/<RfrdDocInf>/<RltdDt>	The Cheque Deposit Date
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Rmtlnf>/<Strd>/<RfrdDocInf>/<TaxRmt>/<Cdtr>/<TaxId>	The Tax Id or Scheme Code of the transaction
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Rmtlnf>/<Strd>/<RfrdDocInf>/<TaxRmt>/<AdmstnZn>	The Admin Zone(State Code)
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Rmtlnf>/<Strd>/<RfrdDocInf>/<TaxRmt>/<TtlTaxAmt>	Tax Amount
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<RltdDts>/<AcptncDtTm>	The date and time when agency bank reported to RBI and Govt. Account was credited. For NEFT/RTGS, the time of Credit To Govt. Account.
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<RltdDts>/<TxDtTm>	The date and time when agency bank collected the amount. For NEFT/RTGS, the time of message receipt in RBI.
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<RltdDts>/<Prtry>/<Dt>/<DtTm>	The date and time of receipt of funds by Agency banks for a Payment Gateway

	Transaction
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<AddtlTxInf>	The settlement mode needs to be provided here:- "1" - PHYSICAL(via Agency Bank – DD or Cheque Payment) "2" - CASH (via Agency Bank) "3" - INETBANK(via Govt Portal – Net Banking) "4" - DBTCARD(via Govt Portal – Debit Card Payment) "5" - CDTCARD(via Govt Portal Credit Card) "6" - NEFT (via RBI/Agency Bank) "7" - RTGS (via RBI/Agency Bank)

Please refer the document **Govt_Notf_camt.054.001.06v2.3_GST_CN.xls** for the detailed field specification.



Govt_Notf_camt.054
.001.06v2.3_GST_CN

Refer the document **camt.054.001.06v0.1.xsd**, for GST eReceipts Credit Notification file specification



camt.054.001.06v0.
1.xsd

6.2. eReceipts GST CN ACK/NCK

The GST MoE Credit Notification (and Account Statement) will have an ACK/NCK in the form of ADMI.004

Tag Name	Description
<SysEvtNtfctn>/<EvtInf>/<EvtCd>	A code set has been used to specify various events of positive and negative acknowledgement
<SysEvtNtfctn>/<EvtInf>/<EvtTm>	The date and time of Acceptance or Rejection of the CN or Account Statement.

Please refer the document **Govt_Notification_Status_admi.004.001.02v0.1.xls** for the detailed field specification of GST Credit Notification ACK/NCK.



Govt_Notification_Stat
atus_admini.004.001.0

Refer the document **admini.004.001.02.xsd**, for GST eReceipts Credit Notification ACK/NCK file specification



admini.004.001.02.xsd

6.3. eReceipts GST MoE CASE Initiation File Format

The ISO 20022 file formats used in the Memorandum of Errors are listed below

Category	Purpose	File format
MoE Initiation by Government	Missing CIN	Camt.027.001.04(NR)
	Invalid CIN	Camt.026.001.04(UA)
	Reported amount more than Actual	Camt.026.001.04(UA)
	Reported amount less than Actual	Camt.026.001.04(UA)
Acknowledgement by RBI	Positive Acknowledgement	Camt.030.001.04(CAN)
	Negative Acknowledgement	Camt.031.001.04(CAR)
Resolution to Government	Non – Financial	Camt.029.001.06(RI)
	Financial	Camt.054.001.06

Camt.027.001.04(NR) – Government Claim non Receipt

This message to be used by Government to initiate a missing CIN MOE with the expected reporting bank. The important document fields which are used for the MoE process are described in the below table

Block	Tag Name	Description
Assignment	<ClmNonRct>/<Assgnmt>/<MsgId>	Case Assignment Message Identifier
	<ClmNonRct>/<Assgnmt>/<Assgnr>/<Party>/<Id>/<OrgId>/<Othr>/<Id>	UDCH Code of Party that initiates the MOE
	<ClmNonRct>/<Assgnmt>/<Assgne>/<Party>/<Id>/<OrgId>/<Othr>/<Id>	Bank Code of Party that receives the MOE

Case	<ClmNonRct>/<Case>/<Id>	Case Identifier
	<ClmNonRct>/<Case>/<Cretr>/<Pty>/<Id>/<Orgld>/<Othr>/<Id>	Account No. of the Entry
	<ClmNonRct>/<Case>/<Cretr>/<Pty>/<Id>/<Orgld>/<Othr>/<SchmeNm>/<Prtry>	Tax Id of the Entry
	<ClmNonRct>/<Case>/<Undrlyg>/<Initn>/<OrgnlGrpInf>/<OrgnlMsgld>	Original Message Id as reported in the Credit Notification
	<ClmNonRct>/<Case>/<Undrlyg>/<Initn>/<OrgnlEndToEndId>	Original Challan Identification Number
	<ClmNonRct>/<Case>/<Undrlyg>/<Initn>/<OrgnlInstdAmt>	Actual reported amount in the challan
	<ClmNonRct>/<Case>/<Undrlyg>/<Initn>/<ReqdExctnDt>	The date on which the Challan amount was credited in RBI
	<ClmNonRct>/<Case>/<CoverDtls>/<MssngCoverInd>	Indicates whether or not the claim is related to a missing cover. This should be <i>True</i> for all Missing CIN cases
	<ClmNonRct>/<Case>/<CoverDtls>/<CoverCrrctn>/<InstdRmbrsmntAgt>/<FinInstnId>/<ClrSysMmbld>/<Mmbld>	Receiver Identification - Agency Bank Code (Optional – may not be used for GST)
	<ClmNonRct>/<Case>/<SplmtryData>/<Envlp>/<AddtlTxInf>	Additional Information like expected values can be captured

Please refer to the document **Govt_GST_NRC_camt.027.001.04v1.2.xls** for the detailed field specification.



Govt_GST_NRC_cam
t.027.001.04v1.2.xls

Refer the document **camt.027.001.04.xsd**, for GST eReceipts MoE Case Initiation – Non Receipt file specification



camt.027.001.04.xs
d

Camt.026.001.04(UA) – Government Unable to Apply

Block	Tag Name	Description
Assignment	<UblToApply>/<Assgnmt>/<MsgId>	Case Assignment Message Identifier
	<UblToApply>/<Assgnmt>/<Assgnr>/<Party>/<Id>/<OrgId>/<Othr>/<Id>	UDCH Code of Party that initiates the MOE
	<UblToApply>/<Assgnmt>/<Assgnee>/<Party>/<Id>/<OrgId>/<Othr>/<Id>	Bank Code of Party that receives the MOE
Case	<UblToApply>/<Case>/<Id>	Case Identifier
	<UblToApply>/<Case>/<Cretr>/<Party>/<Id>/<OrgId>/<Othr>/<Id>	Account No. of the Entry
	<UblToApply>/<Case>/<Cretr>/<Party>/<Id>/<OrgId>/<Othr>/<SchmeNm>/<Prtry>	Tax Id of the Entry
	<UblToApply>/<Case>/<Undrlyg>/<Initn>/<OrgnlGrpInf>/<OrgnlMsgId>	Point to point reference, as assigned by the original instructing party, to unambiguously identify the original message. (as reported in the CN)
	<UblToApply>/<Case>/<Undrlyg>/<Initn>/<OrgnlEndToEndId>	Original Challan Identification Number
	<UblToApply>/<Case>/<Undrlyg>/<Initn>/<OrgnlInstAmt>	Actual reported amount in the original challan
	<UblToApply>/<Case>/<Undrlyg>/<Initn>/<ReqdExctnDt>	Indicates the actual accounting value date
	<UblToApply>/<Case>/<Justfn>/<MssngOrIncrctInf>	Indicates the reason why the case is created
	<UblToApply>/<Case>/<Justfn>/<MssngOrIncrctInf>/<IncrctInf>	Indicates, in a coded form, the incorrect information
	<UblToApply>/<Case>/<Justfn>/<PssblDplctInstr>	Indicates whether or not the referred item is a possible duplicate of a previous instruction or entry. <i>True</i> for Yes and <i>False</i> for No
	<UblToApply>/<Case>/<SplmtryData>/<Envlp>/<AddtlTxInf>	Additional Information like expected values can be captured

Please refer to the document **Govt_GST_U2A_camt.026.001.04v1.2.xls** for the detailed field specification.



Govt_GST_U2A_cam
t.026.001.04v1.2.xls

Refer the document **camt.026.001.04.xsd**, for GST eReceipts MoE Case Initiation – Unable to Apply file specification



camt.026.001.04.xs
d

6.4. eReceipts GST MoE CASE ACK/NCK File Format

Camt.030.001.04 – Notification of Case Assignment(CAN)

Block	Tag Name	Description
Notification of Case	<NtfctnOfCaseAssgnmt>/<Hdr>/<Id>	Message Identifier created by the Assignee
Assignment	<NtfctnOfCaseAssgnmt>/<Hdr>/<Fr>/<Pty>/<Id>/<OrgId>/<Othr>/<Id>	UDCH Code of Party that initiates the MOE
	<NtfctnOfCaseAssgnmt>/<Hdr>/<To>/<Pty>/<Id>/<OrgId>/<Othr>/<Id>	Bank Code of Party that receives the MOE
Assignment	<NtfctnOfCaseAssgnmt>/<Assgnmt>/<MsgId>	The Original Assignment Id as received in the UA or NR File
	<NtfctnOfCaseAssgnmt>/<Case>/<Id>	The Original Case Id as received in the UA or NR File
	<NtfctnOfCaseAssgnmt>/<Ntfctn>/<Justfn>	Justification for the forward action. ACTC - Accepted Technical Validation

Please refer the document **Govt_GST_CAN_Status_camt.030.001.04v1.1.xls** for the detailed field specification.



Govt_GST_CAN_Stat
us_camt.030.001.04

Refer the document **camt.030.001.04.xsd**, for GST eReceipts MoE Case ACK file specification



camt.030.001.04.xs
d

Camt.031.001.04 – Reject Investigation of Case Assignment(CAR)

Block	Tag Name	Description
Reject Investigation of Case Assignment	<RjctInvstgtn>/<Assgnmt>/<MsgId>	The Original Assignment Id as received in the UA or NR File
	<RjctInvstgtn>/<Case>/<Id>	The Original Case Id as received in the UA or NR File
	<RjctInvstgtn>/<Justfn>/<RjctnRsn>	Reason for the rejection of a case assignment, in a coded form ; the tag can be repeated multiple times for multiple errors

Please refer the document **Govt_GST_CAR_Status_camt 031.001.04v1.1.xls** for the detailed field specification.



Govt_GST_CAR_Status_camt 031.001.04v1.1.xls

Refer the document **camt.031.001.04.xsd**, for GST eReceipts MoE Case NCK file specification



camt.031.001.04.xsd

6.5. eReceipts GST MoE Non-Financial Resolution File Format

Camt.029.001.06 - Resolution of Investigation(RI)

Block	Tag Name	Description
Resolved Case	<RslvdCase>/<Id>	The MOE Case Id for which resolution is provided
Confirmation	<RslvdCase>/<Sts>/<Conf>	If Assignee agrees with the MOE this tag to be used. The status can be 'MECONF' If the same is provided, then one of the correction transaction details need to be provided
Reject Modification	<RslvdCase>/<Sts>/<RjctdMod>	If Assignee rejects the MOE, then this tag would be used with appropriate code
Statement	<RsltnOfInvstgtn>/<RslvdCase>/<Stmtd>	Original Message Id Reported

Details (This block will be used only when the MoE status is confirmed, i.e., <Conf> tag is 'MECONF')	tls> </OrgnlGrpInf></OrgnlMsgId>	earlier.
	<RsltnOfInvstgtn></RslvdCase></Stmtd tls> </OrgnlGrpInf></InstrId>	Original Instruction Id ICPIN) reported earlier
	<RsltnOfInvstgtn></RslvdCase></Stmtd tls> </OrgnlGrpInf></EndToEndId>	Original EndToEndId(Bank CIN) reported earlier
	<RsltnOfInvstgtn></RslvdCase></Stmtd tls> </OrgnlGrpInf></TxId>	Original Transaction Id(NEFT/RTGS UTR No.) reported earlier
	<RsltnOfInvstgtn></RslvdCase></Stmtd tls> </OrgnlGrpInf></AcctSvcrRef>	Original Account Servicer ref No.(RBI Ref No.) reported earlier
	<RsltnOfInvstgtn></RslvdCase></Stmtd tls> </OrgnlGrpInf></Tax>	Original Tax Code reported earlier
	<RsltnOfInvstgtn></RslvdCase></Stmtd tls> </OrgnlGrpInf></AdmstnZn>	Original Administration Zone Reported earlier
	<RsltnOfInvstgtn></RslvdCase></Stmtd tls> </OrgnlGrpInf></TtlTaxAmt>	Original Tax Amount for the Tax Id reported earlier
Correction Details	<RsltnOfInvstgtn></RslvdCase></Crrctn Tx> </Initn></MsgId>	Revised Message Id
(This block will be used only when the MoE status is confirmed, i.e., <Conf> tag is 'MECONF')	<RsltnOfInvstgtn></RslvdCase></Crrctn Tx> </Initn></InstrId>	Revised Instruction Id(ICPIN)
	<RsltnOfInvstgtn></RslvdCase></Crrctn Tx> </Initn></EndToEndId>	Revised EndToEndId(Bank CIN)
	<RsltnOfInvstgtn></RslvdCase></Crrctn Tx> </Initn></TxId>	Revised Transaction Id(NEFT/RTGS UTR No.)
	<RsltnOfInvstgtn></RslvdCase></Crrctn Tx> </Initn></AcctSvcrRef>	Revised Account Servicer ref No.(RBI Ref No.)
	<RsltnOfInvstgtn></RslvdCase></Crrctn Tx> </Initn></Tax>	Revised Tax Code
	<RsltnOfInvstgtn></RslvdCase></Crrctn	Revised Administration Zone

	Tx> </Initn></AdmstnZn>	
	<RsltnOfInvstgtn></RslvdCase></CrrctnTx> </Initn></TtlTaxAmt>	Revised Tax Amount for the Tax Id (to be used only if excess remittance to Govt. earlier)
Related Information	<RsltnOfInvstgtn></RslvdCase></RsltnRltdInf> </IntrBkSttlmAmt>	The Amount Reported to RBI
	<RsltnOfInvstgtn></RslvdCase></RsltnRltdInf> </IntrBkSttlmDt>	The Date of Reporting to RBI
	<RsltnOfInvstgtn></RslvdCase></RsltnRltdInf> </AddtlInf>	Miscellaneous Information

Please refer the document **MoE_Resolution_camt.029.001.06v1.3.xls** for the detailed field specification.



MoE_Resolution_camt.029.001.06v1.3.xls

Refer the document **camt.029.001.06.xsd**, for GST eReceipts MoE Non-Financial Resolution file specification



camt.029.001.06.xsd

6.6. eReceipts GST MoE Non-Fin Resolution ACK/NCK File Format

The GST MoE Non-Financial Resolution will have an ACK/NCK in the form of CAMT.030 or, CAMT.031

Please refer Section 6.4 for the said file formats.

6.7. eReceipts GST MoE Financial Resolution File Format

The MoE Credit Notification is designed in ISO 20022 based camt.054 format. The same is provided for financial resolution of MoE Case.

Camt.054.001.06 – MoE Credit Notification

Tag Name	Description
<Ntfctn>/ <Id>	Unique identification, as assigned by the account servicer, to unambiguously identify the account Notification. UDCH code of Govt (or) Agency Bank Code. Structure will be financial year FY(YYYYYY)+12-digit Account No+8-digit Running Sequence No for the financial year e.g. 201718001516201001000115
<Ntfctn>/<NtfctnPgntn>/<LastPgInd>	Last page indicator depicts whether the page in reference is last page or not the last page
<Ntfctn>/<Ntry>/<NtryRef>	Entry Reference is an unique number generated for each accounting batch
<Ntfctn>/<Ntry>/<NtryDtls>/<TxDtls>/<Rmtlnf>/<Strd>/<RfrdDocInf>/<Nb>	MoE Case ID

Please refer the document **Govt_Notf_camt.054.001.06v2.3_GST_MoE_CN.xls** for the detailed field specification.



Govt_Notf_camt.054
.001.06v2.3_GST_Mc

Refer the document **camt.054.001.06.xsd**, for GST eReceipts MoE Credit Notification file specification



camt.054.001.06v0.
1.xsd

6.8. eReceipts GST MoE Fin Resolution ACK/NCK File Format

The GST MoE Financial Resolution will have an ACK/NCK in the form of ADMI.004

The file description and file formats is detailed in Section 6.2

6.9. eReceipts GST Account Statement File Format

The Account Statement is designed in ISO 20022 based camt.053 format.

Camt.053.001.06v1.6 GST – GST Account Statement

Tag Name	Description
<Stmt>/<Id>	Unique Scroll ID would be generated for the account & financial year (scroll number will be initialized during the start of financial year) Financial Year YYYYYYYY (8) + Account Number (12) + Scroll Number (3) + Scroll Serial (2)
<Stmt>/<StmtPgntn>/<PgNb>	Page Number of the Statement
<Stmt>/<StmtPgntn>/<LastPglnd>	Last page indicator depicts whether the page in reference is last page or not the last page
<Stmt>/<FrToDt>/<FrDtTm>	From Date and Time of the Account Statement
<Stmt>/<FrToDt>/<ToDtTm>	To Date and Time of the Account Statement
<Stmt>/<Acct>/<Id>/<Othr>/<Id>	Account No.
<Stmt>/<Acct>/<Id>/<Othr>/<SchmeNm>/<Prtry>	Tax Id/Scheme Code
<Stmt>/<Bal>/<Tp>/<CdOrPrtry>/<Cd>	OPBD : Opening Balance CLBD : Closing Balance
<Stmt>/<Bal>/<Amt>	The Amount for the denoted balance
<Stmt>/<Bal>/<Amt>/<Ccy>	The Currency of the Amount. INR to be used for Indian Rupee.
<Stmt>/<Bal>/<CdtDbtInd>	CRDT : Credit Balance DBIT: Debit Balance
<Stmt>/<Bal>/<Dt>/<Dt> or <Tm>	Date or Date & Time of the Report generation
<Stmt>/<TxSummary>/<TtlCdtNtries>/<NbOfNtries>	Total No. of Credit Entries
<Stmt>/<TxSummary>/<TtlCdtNtries>/<Sum>	Total Sum of all Credit entries
<Stmt>/<TxSummary>/<TtlDbtNtries>/<NbOfNtries>	Total No. of Debit Entries
<Stmt>/<TxSummary>/<TtlDbtNtries>/<Sum>	Total Sum of all Debit entries
<Stmt>/<Ntry>/<NtryRef>	Entry Reference is an unique number generated for each accounting batch , can be related with similar values in

	Credit/Debit Notification (Camt.054)
<Stmt>/<Ntry>/<Amt>	Amount of the Entry
<Stmt>/<Ntry>/<CdtDbtInd>	CRDT for Credit Entry and DBIT for Debit Entry
<Stmt>/<Ntry>/<RvsInd>	True to denote Minus Credit or Minus Debit entry. Otherwise it is False.
<Stmt>/<Ntry>/<BookgDt>/<Dt>	The date for accounting period(used in case it is to be accounted in a different period other than the period to which value date pertains)
<Stmt>/<Ntry>/<ValDt>/<Dt>	The actual accounting date when the Account is Debited or Credited
<Stmt>/<Ntry>/<BkTxCd>/<Prtry>/<Cd>	Mode of Transaction i.e. CASH, CLG(Clearing), TRF(Transfer)

Please refer the document **Govt_Account Statement_Camt.053.001.06v1.6_GST.xls** for the detailed field specification of GST Account statement.



Govt_Account
Statement_Camt.053

Refer the document **camt.053.001.06.xsd**, for GST eReceipts Account Statement file specification



camt.053.001.06v0.
1.xsd

6.10. eReceipts GST Account Statement ACK/NCK File Format

The GST Account Statement will have an ACK/NCK in the form of ADMI.004

The detailed description and file format is detailed in Section 6.2

7. Administration Zone and UDCH Master

Government	Admin Zone	UDCH	Government	Admin Zone	UDCH
Central Govt.(CBEC)	99	721	West Bengal	19	116
Jammu and Kashmir	01	128	Jharkhand	20	125
Himachal Pradesh	02	118	Odisha	21	112
Punjab	03	113	Chhatisgarh	22	124
Chandigarh	04	280	Madhya Pradesh	23	107
Uttrakhand	05	126	Gujarat	24	104
Haryana	06	105	Daman & Diu	25	272
Delhi	07	750	Dadra & Nagar Haveli	26	799
Rajasthan	08	114	Maharashtra	27	109
Uttar Pradesh	09	115	Andhra Pradesh	37	101
Bihar	10	103	Karnataka	29	110
Sikkim	11	129	Goa	30	123
Arunachal Pradesh	12	122	Lakshadweep	31	776
Nagaland	13	111	Kerala	32	106
Manipur	14	119	Tamil Nadu	33	108
Mizoram	15	121	Puducherry	34	127
Tripura	16	120	Andaman & Nicobar Islands	35	751
Meghalaya	17	117	Telangana	36	130
Assam	18	102			

8. Bank Code Master

SI No.	BANK NAME	BANK CODE
1	Bank of India	408
2	Axis Bank	222
3	Indian Overseas Bank	1256
4	IDBI Bank	1166
5	Canara Bank	562
6	United Bank of India	2814
7	Allahabad Bank	75
8	ICICI Bank	1120
9	Syndicate Bank	2597
10	State Bank of India	2224
11	Punjab National Bank	1950
12	Dena Bank	841
13	HDFC Bank	1050
14	Union Bank of India	2762
15	Bank of Baroda	372
16	Bank of Maharashtra	441
17	Punjab and Sind Bank	1974
18	Andhra Bank	125
19	Indian Bank	1192
20	UCO Bank	2729
21	Oriental Bank of Commerce	1840
22	Central Bank of India	621
23	Corporation Bank	736
24	Vijaya Bank	2866

***** End Of Document *****