

2018

E-Way Bill System

EWB-API - Technical Document for
Tax Payers / Transporters / GST Suvidha
Providers



Changes in Version 1.02.01 (Dated 14.05.2018)

1. Some changes in the request and response JSONs, some data structure items and schema are updated in the document to sync. with the application

Changes in this Version 1.02 (Dated 27.04.2018)

1. Incorporation of new features in e-way bill generation
2. New API to update transporter ID
3. New API to extend validity
4. New API to regenerate consolidated E Way Bill API
5. New API to get details of GSTIN for a given GSTIN
6. New API to get enrolled transporter's details for given Transin
7. New API to get HSN details for a given HSN code
8. Master codes list updated
9. API Error code list updated
10. Validations are provided for each of the APIs

Changes in this Version (1.01)

1. The 'Generate e-way bill' and 'update Vehicle Number' APIs respond with the additional information of Validity of the e-way bill.
2. The additional information 'Vehicle Type' (Regular -R or Over Dimensional Cargo-O) needs to be passed in 'Generate e-way bill' API.
3. The Get APIs (except Get Cons. EWB) will have additional columns
 - a. validUpto – Validity of the e-way bill
 - b. rejectStatus– Y in case other party has rejected the e-way bill
 - c. extendedTimes – No of times the e-way bill has got the extension
 - d. delPlace – Delivery Place of the e-way bill
 - e. status – whether e-way bill is Active (ACT) or Cancelled (CNL)
4. Schema for the JSON data has been provided
5. Sample .NET CODE for Encryption and Decryption functions have been provided
6. Sample Java Code for Encryption and Decryption functions have been provided
7. Changed Master codes for Unit Quantity Code, State Code, and Document Type have been provided. They match with the GSTN Codes.
8. New master codes have been added.
9. Error Codes have been improved.
10. URL and version has been changed.
11. Compulsory fields are limited to Web page.

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List of Abbreviations

Abbreviation	Full Form
API	Application Program Interface
CGST	Central Goods and Service Tax
CKD	Completely Knocked Down
EBN	e-way bill Number
EWB	e-way bill
GSP	Goods and Services Tax Suvidha Provider
GST	Goods and Services Tax
GSTIN	Goods and Services Tax Identification No
GSTN	Goods and Services Tax Network
GSTR-1	Goods and Services Tax Form -1
HSN	Harmonized System of Nomenclature
ICT	Information and Communication Technology
IGST	Integrated Goods and Services Tax
IT	Information Technology
MIS	Management Information System
NIC	National Informatics Centre
OTP	One Time Password
PAN	Permanent Account Number
QR	Quick Response
RFID	Radio-Frequency identification Device
SGST	State Goods and Services Tax
SKD	Semi Knocked Down
URL	Uniform Resource Locator

1. Introduction

1.1 Background

Introduction of Goods and Services Tax (GST) across India with effect from 1st of July 2017 is a very significant step in the field of indirect tax reforms in India. For quick and easy movement of goods across India without any hindrance, all the check posts across the country are abolished. The GST system provides a provision of e-Way Bill, a document to be carried by the person in charge of conveyance, generated electronically from the common portal. To implement the e-Way Bill system, ICT based solution is required. Hence, as approved by the Goods and Services Tax (GST) Council, a web based has been designed and developed by National Informatics Centre and it is being rolled out for the use of taxpayers and transporters. Also, the other modes of e-way bill generation rolled out are SMS based, Android based and API based solutions.

1.2 Purpose and Intended Audience

This document aims to explain the operational and technical procedure on how to use API interface to generate the e-Way Bills by the Tax payers or Transporters.

This document is intended for technical experts or software solutions providers of tax payers or transporters, who are already using a computerized system for generating invoices and also generating a large number of invoices. The best method of EWB generation for such large tax payers, who generate the large number of e-Way Bills, is to build API interface with the E-way bill system. This is site-to-site integration of the systems for e-way Bill generation. In this method, the tax payer system will directly or through GSP request e-way bill to the E-way Bill system while generating invoice and get the e-Way Bill number. This can be printed on the Invoice document and movement of the goods can be started. This avoids duplicate data entry and eliminates data entry mistakes. To use this facility, the tax payers have to request the online for this service.

1.3 Scope

This document covers APIs published by E-way bill system. It includes API description with detailed payloads to be exchanged. The details of various APIs for of Authentication, E-way bill generation, Consolidated E-way bill generation, Vehicle No. updation, Cancellation of e-way bill, Rejection of e-way bill are explained in detail along with sample source code in C# .Net for better understanding for the tax payers and transporters.

This document also includes

- Interface Business Flow Process
- API format and brief details on key payload parameters.
- The attribute level description of each API request and response payload.
- JSON schema and sample JSON payload for respective APIs.
- API data structure Specification
- Sample C#.net and Java code
- Various Master codes and error codes are listed in the Annexures
- JSON Schema

1.4 Related documents to read

- EWB-API Interface User Document – This is available on the web-site of e-way bill system

1.5 URL or Web site address for API for Pre-production

<http://ewaybill2.nic.in/ewaybillapi/v1.02>

2. API Overview

The EWAYBILL APIs are used to communicate between Tax Payers or Transporters Systems with E-way bill System. This section describes standards and formats which will be used to define API exposed by E-WAY BILL systems. E-WAY BILL APIs will be implemented as RESTful Web services.

Below table depicts the URI pattern to be used while defining API end points:

2.1 API Format

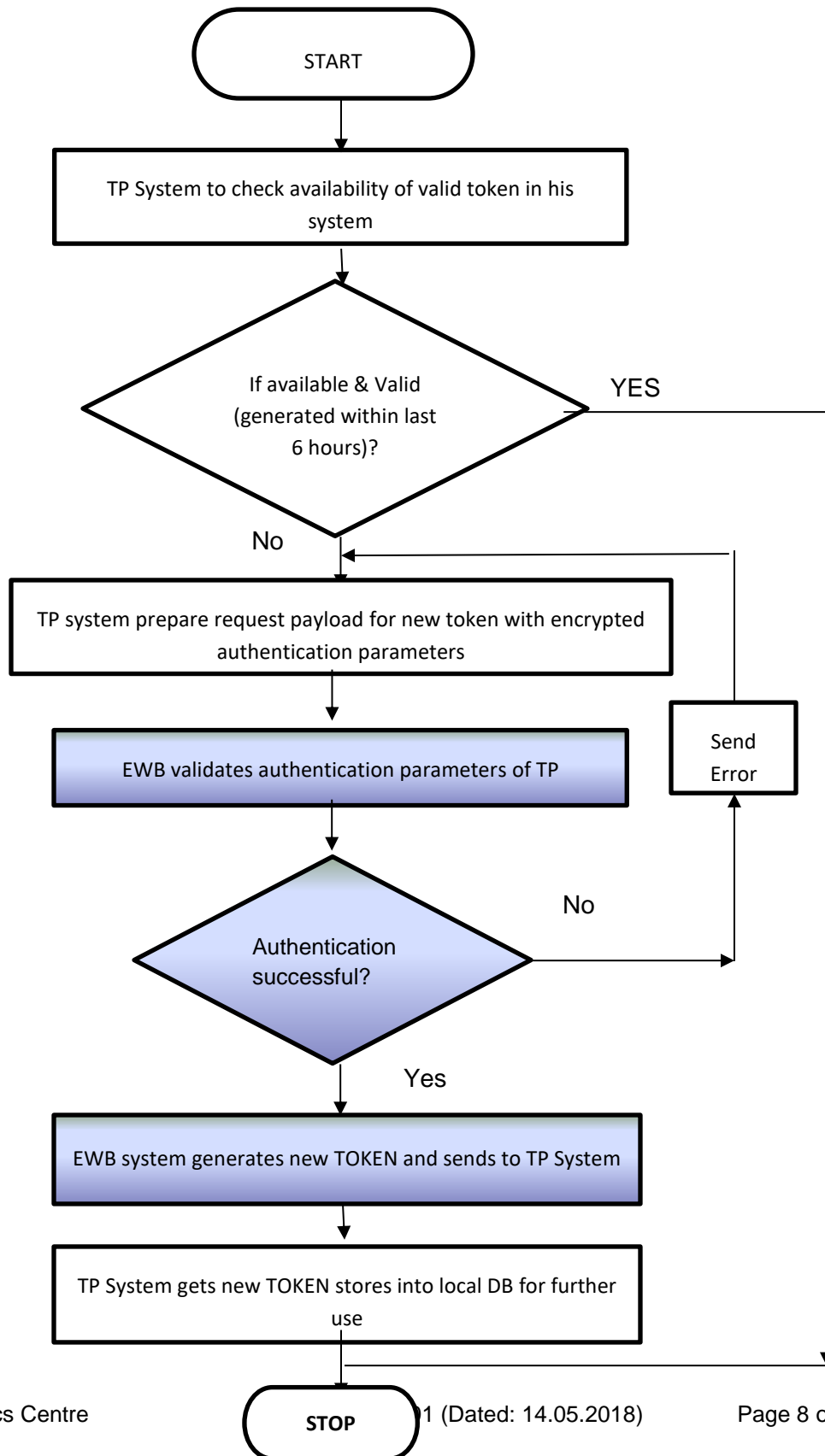
E-WAY BILL APIs will be published as REST web service over HTTPS.

API URI	http://ewaybill2.nic.in/ewaybillapi/v1.02	
HTTP Method	GET	To fetch data from E-WAY BILL
	POST	To submit data to E-WAY BILL

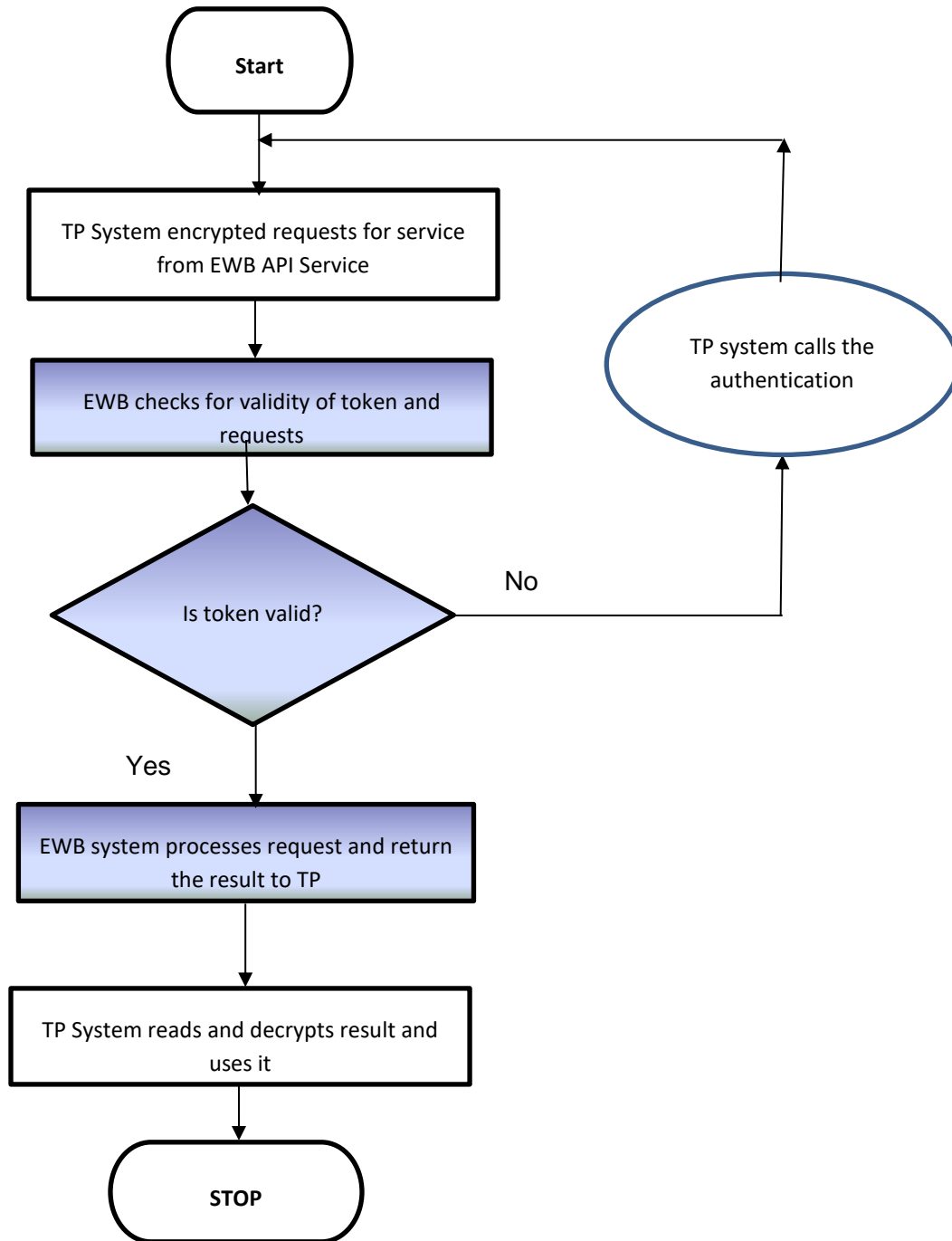
Table 1. API Format

3. Business Process Flow

3.1 Authentication Token request service



3.2 Business Process Flow – Other request Services



4. List of E-Way Bill API Services/Methods

SI No.	API Service	API Description
1.	Authenticate	Authentication with API system with the credential provided to access all other APIs
2.	Generate E-Way Bill	Generate e-Way Bill
3.	Update Part-B/ Vehicle Number for E-Way Bill	Update new vehicle number (part-B) for the e-way Bill, whenever, the transportation changes
4.	Generate Consolidate E-Way Bill	Generate Consolidated e-Way Bill
5.	Cancel E-Way Bill	Cancel the e-Way Bill, if wrongly generated or purchase order is cancelled.
6.	Reject E-Way Bill	Reject the e-Way Bill, generated by others on your GSTIN, if it does not belong to you.
7.	Get e-Way Bill	Get the e-way bill details based on EWB Number, if the requestor is supplier or recipient or transporter
8.	Get e-way bills assigned for transportation – for a day	Get the list of e-way bills assigned to you (requesting GSTIN) as transporter for transportation for particular generated date in your state. This can be used for Updating Part-B by you as transporter.
9.	Get e-way bills assigned for transportation – by GSTIN	Get the list of e-way bills assigned to you (requesting GSTIN) for transportation by particular tax payer (GSTIN) and generated date. This can be used for Updating Part-B by you as transporter.
10.	Get e-way bills generated by other party	Get the list of e-way bills generated by other parties on your name (requesting GSTIN) based on generated date. This can be used by you for rejecting ., if e-way bills do not belong to you.
11.	Get Consolidated E-Way Bills	Get the Consolidated e-Way Bill details based on consolidated EWB Number, generated by you.
12.	Update transporter	Update or assign the e-way bill to another transporter so that he can update further Part-B as per movement of goods
13.	Re-generate Cons. E-way bill	Re-generate the Consolidated e-way bill

		whenever the transportation details like vehicle number changes (due to break down of vehicle, etc) for all the involved e-way bill in original Cons. EWB.
14.	Extend Validity	Extend the validity of the e-way bill with proper reason, if the validity is expiring before reaching the destination
15.	Get tax payer	Get the tax payer details for given GSTIN
16.	Get Enrolled Transporter	Get the enrolled transporter details for given TRANSIN
17.	Get HSN	Get the HSN description for the given HSN code
18.	Get Error list	Get all the error codes passed by the APIs

5. AUTHENTICATION API

Overview

To access the API, application should first authenticate using the credentials shared and get the access token issued. Same access token to be used to access subsequent APIs. Access token will be configured to expire after 360 minutes. On expiry, same authentication API needs to be invoked to get new Access Token issued.

The API header information is used for authentication and authorization purpose.

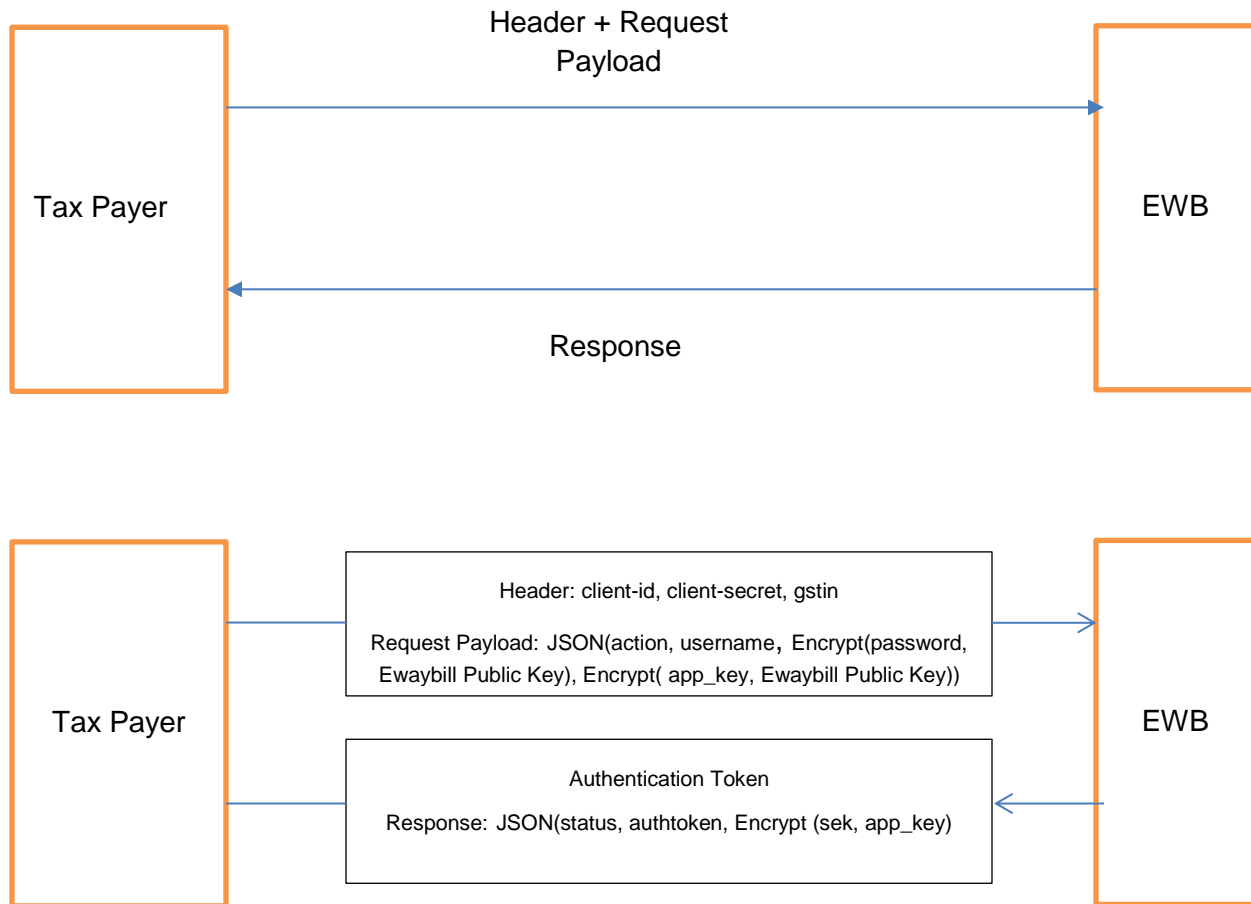


Figure 1. Sequence Diagram Authentication API

Specification

The format and details of a sample API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/authenticate/
Content-Type	application/json
Method	POST

Request Header

Attributes	Description
client-id	Client_id to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
Gstin	GSTIN of the requesting Tax Payer

Request Payload

Attributes	Description	Value
action		ACCESSTOKEN
username	Username of Tax payer as created on Ewaybill portal for API Integration (Tax payer will use the option Mainmenu->Registration->GSP to register under GSP OR Tax payer will use the option Mainmenu->Registration->API to register directly for API Interface)	
password	Password of Tax payer as in Ewaybill portal for API Integration Password will be encrypted using Public key of E-WAY BILL using RSA algorithm	
app_key	Any 32 character random unique id generated by user identifying unique user session. App_key will be encrypted using Public key of E-WAY BILL using RSA algorithm	

Response Payload

Attributes	Description	Values
status	Status of Authentication request	0 – for Failure; 1 – for Success
authtoken	Authorization token is a universally unique identifier (UUID).	Eg: 30431124-5cbd-4045- 9840-4ebb18d70265",
sek	Session Encryption key (SEK) is a 32 bit random secure key generated using AES 256 algorithm in the EWB system App_key will be used as key to encrypt the Session Encryption key (SEK) using AES 256 (AES/ECB/PKCS7Padding) algorithm	Eg: "IaxLuJcsqILZuYQX828ITxXlrRUM1ebdElaqEXnlaK+xK/U7ZuM5xAayg7RB7mWp

Sample JSON

Authentication Request

```
{  
  "action": "ACCESSTOKEN",  
  "username": "nictexst",  
  "password": "rjPf8Rr4Gjh9qvSDfoqOqyHPW+ ==",  
  "app_key": "e1d65bgSeTrTatc7atLhKWyUbM/ekfbAWu2dFMfyNuYS+ =="  
}
```

Authentication Response

```
{  
  "status": "1",  
  "authtoken": "a30WKqvWdLMkPH6M5V9X4AY",  
  "sek": "crdHoP73uRaLwSsg4o8RZCHgVrfydvF2K5IW3+kc/rI5SqOVJ52Thf1yCI4j"  
}
```

6. GENERATE E-WAY BILL - API

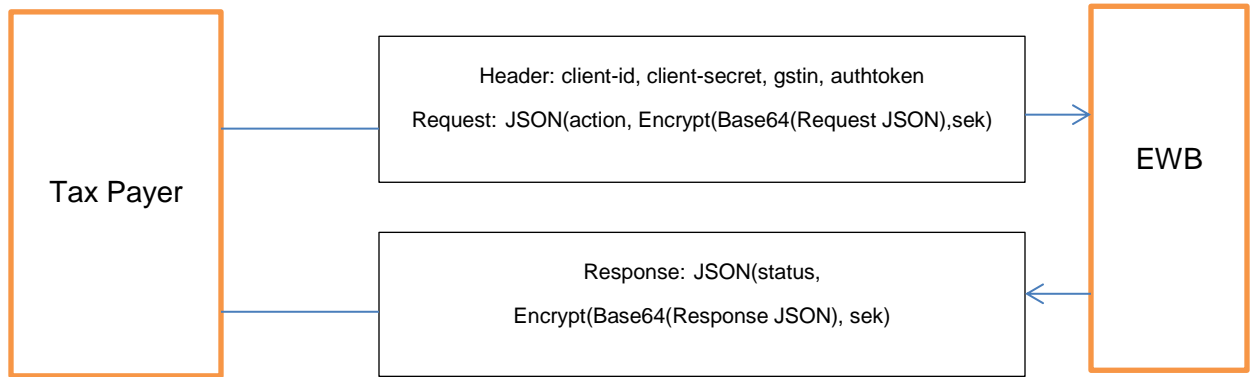


Figure 2. Sequence Diagram: E-WAY BILL GENERATION API

The format and details of a Generate E-way bill API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/
Content-Type	application/json
Method	POST

Request Header

Attributes	Description
client-id	Client-id to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
gstin	GSTIN of Requester(Tax payer or Transporter)
authtoken	Authentication token returned by the E-way bill system

Request Payload

Attributes	Description	Values
action		GENEWAYBILL
Encrypt (Base64(Request JSON),sek)	Encrypted E-way bill JSON string	

Response Payload

Attributes	Description	Value
status	Status of request	0 – for Failure ;1 – for Success
Encrypt(Base64(Response JSON),sek)	Response of E-way bill JSON string, The response will have away bill number and generated date if it is successfully generated. Otherwise the response will have error codes	

Validations:

1. In case of tax payer generating as supplier, the GSTIN of the requesting tax payer should be `fromGstin`
2. In case of tax payer generating as recipient, the GSTIN of the requesting tax payer should be `toGstin`
3. In case of transporter(enrolled transporter / GSTIN updated as transporter in e-way bill portal) generating e-way bill, the GSTIN/TRANSIN of the requesting person should be `transporterId`
4. Enrolled transporter(TRANSIN) cannot be supplier (`fromGstin`) or buyer (`toGstin`)
5. The following fields should have the one of the values given in the master codes
 - a. Supply Type
 - b. Sub Supply Type
 - c. Document Type
 - d. Transportation Mode
 - e. Unit Quantity Code
6. The Document Date should be less than or equal to current date
7. The Transport document Date should be greater than equal to document date
8. `fromGstin` and `toGstin` should be valid GSTIN number of the supplier and recipient. In case of unregistered person involved in the transaction, pass URP in these fields.
9. In case of 'Bill to – ship to' transaction, `toGstin`, `toTrdName` and `toStateCode` should be passed with 'Bill To' party and - `toAddr1`, `toAddr2`, `toPlace`, `toPincode` and `actToStateCode` values should be passed with 'Ship To' party.
10. In case of 'Bill From – Dispatch From' transaction, `fromGstin`, `fromTrdName` and `fromStateCode` should be passed with 'Bill From' party and `fromAddr1`, `fromAddr2`, `fromPlace`, `fromPincode` and `actFromStateCode` values should be passed with 'Dispatch from' party.
11. HSN Code should be valid as per the GST master
12. In case of intra-state transaction, where both `fromGstin` and `toGstin` belong to same state, the SGST and CGST tax rate and value has to be passed
13. In case of inter-state transaction, where both `fromGstin` and `toGstin` belong to different states, the IGST tax rate and value has to be passed
14. In case of one of the party is SEZ unit, then IGST tax rate and value has to be passed
15. In case of road is a transportation mode , the vehicle number should be passed and transport document number is optional

16. In case of rail, air or ship is a transportation mode, the transport document number must
17. In case of export, the state and pin of shipping address has to be 'Other Country' and 999999.
18. In case of import, the state and pin of shipping address has to be 'Other Country' and 999999.
19. If PART-B (transportation mode, vehicle number or transport document number) is not passed, the system generate unique number and return without validity period
20. If the transportation is done through the transporter, transporterId field should have valid TRANSID or GSTIN
21. In case of road transportation, if the vehicle is 'over dimension cargo', pass O, otherwise R (regular).
22. In case of non-advelarom tax of cess, directly pass the calculated value in cessValue along with advelarom cess tax value, if any.
23. If vehicle number is passed, the format of the vehicle should be valid and as per the format
24. In case of sub supply type is others, and then pass the subSupplyDesc accordingly.
25. In case of import or export, the actual distance being travelled in the country has to be passed.
26. The actual distance from source to destination cannot be greater than 4000.

SAMPLE JSON

Generate E-WAY BILL Request

```
{
  "action": "GENEWAYBILL",
  "data": "
  iJiJGXqU1pcj7IUobPrYFVPaeiD00GPaB3IVFNTXTMiHpW7VUcvgSWGXSGETQU4v3RuT23wXUVcZnrgIGHjXV10rh8Ds
  UZO+kufS5MMF+E1RcTRJN70TeDPd3Ya84X6+ijRcPFJUJyJvLD2muWYF+UixgkaNybUDK2eQ9IKPtabvsbICRCjVISuNjM
  fV0nrjtqYSWT8fcTk323OxYaqPhGWH/9T24vE8NnknNWUjIpfwPgFkiVKZ2xVcLESXGYSnffA6UBZPng/tBj/qk6EXsNjeC6
  /P7E+KOKin7aeNw83MOmInGi/zPIm3pOoBG9w6Bj5ZfDWFssjHpbBNWw6isecadXLIllvtjkVzZ+cDOxWYw8AaYWLItgA
  y5ZUxyxBIRpv+lWMVarsfHimL+GYX3zo3hOWvQ8VfYPW/5qRoFsPL4aYJgaR5kHrw+yl672jluoj1iZ5Qf3nDeFWrotBVD
  jrmON/IlckqoL3ATBf6nmpybyMJrSGdjQikNrO/2/+F5nJLTILwru6x2XD6r45v9v6aJXE13QWHE84E6wclONGOObvUBV
  +/BadIn4zqXr48elGmjGJ4p9OTnqyzaecHnKOOpfX3SlahJKnEUx97OZ2ErAHAPI7OtWled92IzzH/2sue6C5W4q27Jt5SF
  jr2Tyxz3WUij58BKLSfs4kVHmLJXROoXsSplgRVG04QpiL80ticEafWoCbAVhBC2Xkabkc8GmTFg5ak9VZxNh9vdAZbJ5z
  LOK+3fw8osIYG8CermgPkQUaQo2kpK/gEkiNapvxbvTLqrVrV171aHUdFk5PW2G2nc9N0uPi0nplxz/habvDgkRQPFR+M
  JjAA437/Y7HnI5B34jMk3EhtqWHZNLNAf6HuMK0pI5boJtSl4qfpXpJg5uUAoAPA0/gXc3I4VOsR1NpqOI1zjSxraW5sJB5
  3USaEqdunQnRdpr/GQITARI/D86gZoMf+Bi7Jdt108AI7EK0mYALn4gMvy1I3gDCQ+NXI5wStfCO1ih/OrL2wfihoH8bHF
  eW6xxCgvbenLxrAQfhiBkgAQkp2wXsHNxW4JbNh5rDlwc1VqP63WQ7/QVikRGe/HS6uOn5JVIUNvKVNWle6Qpm8eT
  hMD/GEL1IJAV6oQOr7+OEn2oIR7oIJ5yu652iH6tq0Cxc2C0ZmhHRms54w5bVWZu+/bOhMptSKIs/N67JGJ8hj85E2+
  yOgwdTn+Nvi+W7d2W3jVFF7XP7+CbfXZdi5RVyir4fddH8YbsLzj9FjP1uRcBqK2egzQ90UWKXctqCi6QMORFfu5LDgw
  MCNJ75TH+1nVRaeXYhVDAQEeYWkG2yKvFME0BUoHQ54w5a0M1XoxMi9wU9LbuCAT5UG2wi39x2gKc78lddcABdt
  wx2K23hdoUZp/25Y "
}
```

“data” JSON corresponds to the data element of Generate E-WAY BILL Request above

```

{
  "supplyType":"O",
  "subSupplyType":"1",
  "subSupplyDesc":"",
  "docType":"INV",
  "docNo":"123-8",
  "docDate":"15/12/2017",
  "fromGstin":"29AAACG0569P1Z3",
  "fromTrdName":"welton",
  "fromAddr1":"2ND CROSS NO 59 19 A",
  "fromAddr2":"GROUND FLOOR OSBORNE ROAD",
  "fromPlace":"FRAZER TOWN",
  "fromPincode":560042,
  "actFromStateCode":29,
  "fromStateCode":29,
  "toGstin":"02EHFPS5910D2Z0",
  "toTrdName":"sthuthya",
  "toAddr1":"Shree Nilaya",
  "toAddr2":"Dasarahosahalli",
  "toPlace":"Beml Nagar",
  "toPincode":689788,
  "actToStateCode":29,
  "toStateCode":28,
  "totalValue":5609889,
  "cgstValue":0,
  "sgstValue":0,
  "igstValue":168296.67,
  "cessValue":224395.56,
  "totInvValue":6835678,
  "transporterId":"",
  "transporterName":"",
  "transDocNo":"",
  "transMode":"1",
  "transDistance":"656",
  "transDocDate":"",
  "vehicleNo":"PVC1234",
  "vehicleType":"R",
  "itemList":
    [
      {
        "productName":"Wheat",
        "productDesc":"Wheat",
        "hsnCode":1001,
        "quantity":4,
        "qtyUnit":"BOX",
        "cgstRate":0,
    
```

```
"sgstRate":0,  
"igstRate":3,  
"cessRate":4,  
"cessAdvol":0,  
"taxableAmount":5609889  
}  
]  
}
```

Generate E-WAY BILL Response

```
{  
"status": "1",  
"data": "ew0KCSJld2F5QmlsbE5vIjogMTIzNDU2Nzg5LA0KCSJld2F5QmlsbERhdGUiOiAiMTYgLyAwOSAVIDIwMTcgMTA6IDMwOiAwMCBBTsINCn0="
```

"data" JSON corresponds to the data element of Generate E-WAY BILL Response(Success) above

```
{  
"ewayBillNo":123456789,  
"ewayBillDate": "16/09/2017 10:30:00 AM",  
"validUpto": "17/09/2017 12.00:00 PM"  
}
```

JSON(in case of error)

```
{  
"status": "0",  
"error":{"errorCodes": 240}  
}
```

7. UPDATE PART-B/VEHICLE NUMBER - API

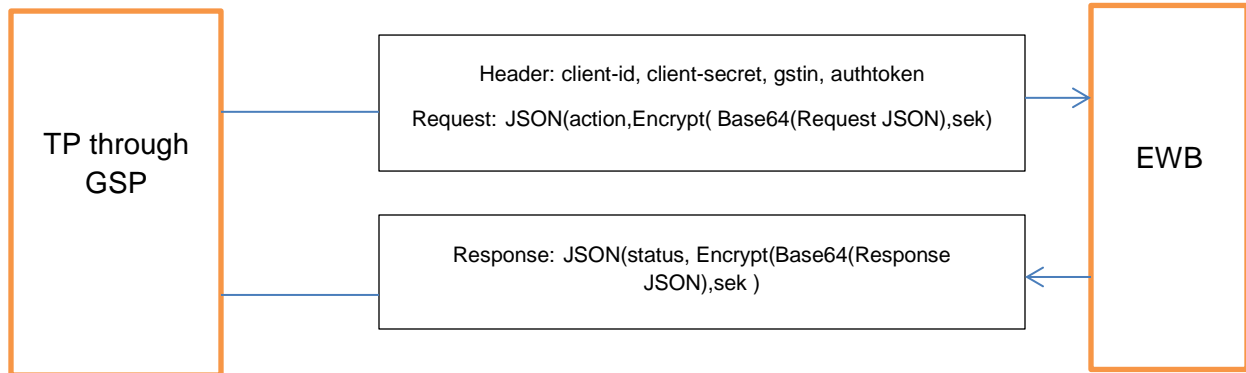


Figure 3. Sequence Diagram: UPDATE VEHICLE API Invocation

The format and details of a Vehicle No. Updation API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/
Content-Type	application/json
Method	POST

Request Header

Attributes	Description
client-id	clientid to be provided by EWAYBILL SYSTEM
client-secret	Secret to be provided by EWAYBILL SYSTEM
Gstin	GSTIN of Requester(Tax payer or Transporter)
Authtoken	Authentication token returned by the E-way bill system

Request Payload

Attributes	Description	Value
Action		VEHEWB
Encrypt(Base64(Request JSON),sek)	Vehicle Update JSON string	

Response Payload

Attributes	Description	Values
status	Status of request	1-Success;0-Error
Encrypt(Base64 (Response JSON),sek)	Response of Update Vehicle JSON string, The response will have vehicle number and updated date if it is successfully updated. Otherwise the response will have error codes	

Validations:

1. Part-B can be updated by the generator of the e-way bill, if there is no transporter, or by the assigned transporter
2. Part-B can be updated only if the e-way bill is active, that is, not cancelled
3. Part-B can be updated only if the e-way bill is within validity period, that is, validity is not expired if validity is already set
4. If only Part A is available, Validity will be set
5. If vehicle is passed, the format of the vehicle number should be valid and as per the format
6. In case of road as a transportation mode , the vehicle number should be passed and transport document number is optional
7. In case of rail, air or ship as a transportation mode, the transport document number is must
8. If validity has been calculated already for the E Way Bill, then vehicle type value will be ignored.
9. If validity has not been calculated and vehicle type value has not been passed, the system will take the vehicle type 'R' as default and process the request

Sample JSON

UPDATE VEHICLE Request

```
{
  "action": " VEHEWB ",
  "data":
  "ew0KCSJFd2JObyl6IDExMTAwMDYwOTI4MiwNCgkiVmVoaWNsZU5vljogllBRUjEyMzQiLA0KCSJGcm9tU
  GxhY2UiOiAiQkFOR0FMT1JFlwNCgkiRnJvbVNOYXRlljogMjksDQoJlJlYXNvbknvZGUiOiAiMSIsDQoJlJlYXN
  vblJlSI6ICJ2ZWwhpY2xllIGRvd24iLA0KCSJUcmFuc0RvY05vICl6IClzMjM0ICIsDQoJlIRyYW5zRG9jRGF
  0ZSAiOiAiMTlvMTAvMjAxNyAiLA0KCSJUcmFuc01vZGUiOiAiMSINCn0="
}
```

"data" JSON corresponds to the data element of UPDATE VEHICLE Request above

```
{
  "ewbNo": 111000609282,
```

```
"vehicleNo": "PQR1234",
"fromPlace": "BANGALORE",
"fromState": 29,
"reasonCode": "1",
"reasonRem": "vehicle broke down",
"transDocNo ": "1234 ",
"transDocDate ": "12/10/2017 ",
"transMode": "1",
"vehicleType": "R"
}
```

UPDATE VEHICLE Response

```
{
"status": "1",
"data": "ew0KlnZlaFVwZERhdGUiOilxNS8xMi8yMDE3IDewOjU2OjAwIEFNlG0KfQ0K"
}
```

“data” JSON corresponds to the data element of UPDATE VEHICLE Response(Success) above

```
{
"vehUpdDate": "15/12/2017 10:56:00 AM",
"validUpto": "17/09/2017 -11:59:00 PM"
}
```

JSON(in case of error)

```
{
"status": "0",
"error": {"errorCodes": 240}
}
```

8. GENERATE CONSOLIDATED E WAY BILL API

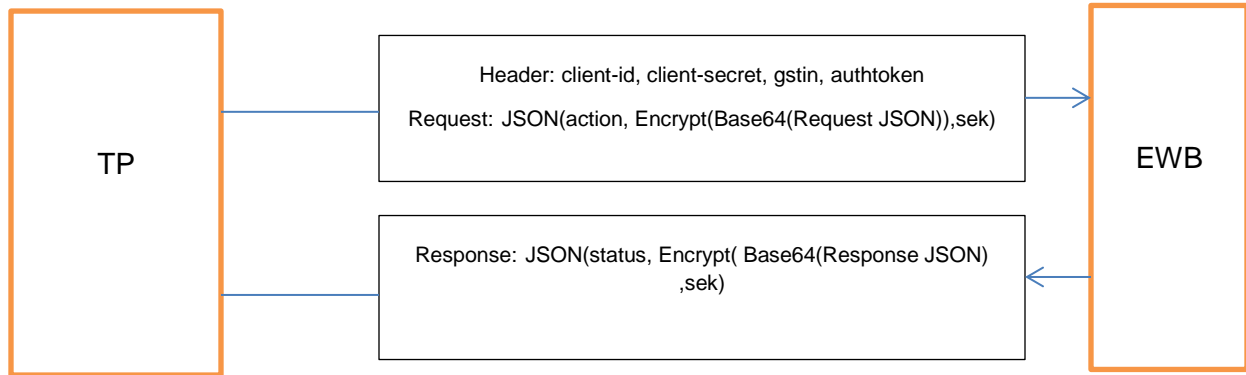


Figure 3. Sequence Diagram: CONSOLIDATED E-WAY BILL GENERATION API Invocation

The format and details of Consolidated E-way bill API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/
Content-Type	application/json
Method	POST

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
Gstin	GSTIN of Requester(Tax payer or Transporter)
Authtoken	Authentication token returned by the E-way bill system

Request Payload

Attributes	Description
Action	GENCEWB
Encrypt(Base64(Request JSON),sek)	Consolidated E-way bill JSON string

Response Payload


```
{ "ewbNo": 181000609270 }  
}]}
```

Generate Consolidated E-WAY BILL Response

```
{  
"status": "1",  
"data": "ew0KImNFd2JObyl6ljE4MTAwMDAzODciLA0KImNFV0JEYXRlljoiMTUvMTIvMjAxNyAxMDoyNzow  
MCCBTSINCn0NCg0K"  
}
```

"data" JSON corresponds to the data element of Generate Consolidated EWB Response(Success) above

```
{  
"cEwbNo": "1810000387",  
"cEWBDate": "15/12/2017 10:27:00 AM"  
}
```

JSON(in case of error)

```
{  
"status": "0",  
"error": {"errorCodes": 240}  
}
```

9. CANCEL E-WAY BILL API

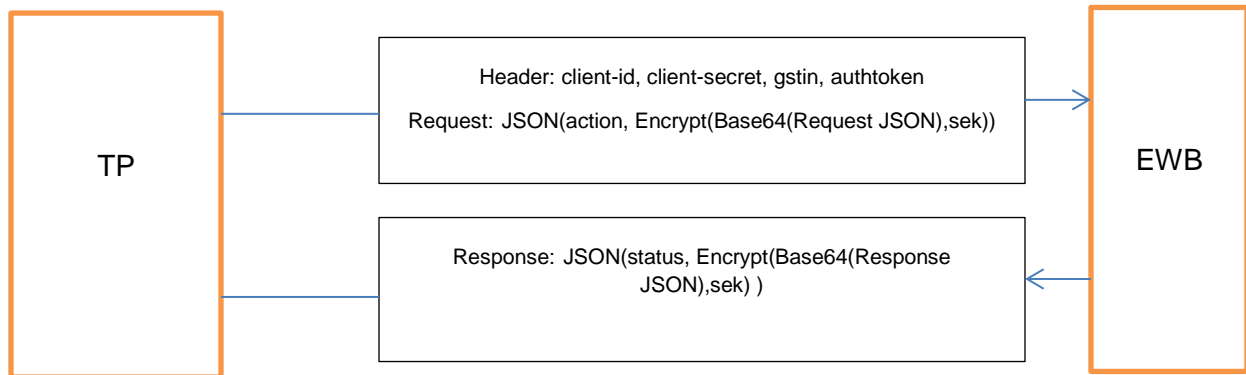


Figure 4. Sequence Diagram: Cancellation of E-WAY BILL API Invocation

The format and details of Cancellation of E-way bill API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/
Content-Type	application/json
Method	POST

Request Header

Attributes	Description
client-id	Client-id to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
Gstin	GSTIN of Requester(Tax payer or Transporter)
Authtoken	Authentication token returned by the E-way bill system

Request Payload

Attributes	Description
Action	CANEWB
Encrypt(Base64(Request JSON),sek)	Cancelled E-way bill JSON string.

Response Payload

Attributes	Description	Value
Status	Status of request	1 – Success; 0 - Error
Encrypt(Base64(Response JSON),sek)	Response of Cancelled E-way bill JSON string. The response will have cancelled away bill number and cancelled date if it is successfully cancelled. Otherwise the response will have error codes	

Validations:

1. E-way bill can be cancelled by the generator of the e-way bill only.
2. E-way bill can be cancelled within 24 hours of generation of e-way bill

Sample JSON

CANCEL E-WAY BILL Request

```
{
  "action": "CANEWB ",
  "data": "
  eyAgDQoiZXdiTm8iOiAxMTEwMDA2MDkyODIsDQogImNhbmNlbFJzbkNvZGUiOiAyLA0KI mNhbmNlbFJtc
  msiOiAiQ2FuY2VsbGVkIHRoZSBvcmlciINCn0NCg== "
}
```

“data” JSON (corresponds to the data element of Cancel E-WAY BILL Request)

```
{
  "ewbNo": 111000609282,
  "cancelRsnCode": 2,
  "cancelRmrk": "Cancelled the order"
}
```

Cancel E-WAY BILL Response

```
{
  "status": "1",
  "data": "
  ew0KCSJld2F5QmIsbE5vljogljExMTAwMDYwOTI4MilsDQoJImNhbmNlbERhdGUiOiAiMTUvMTIvMjAxNyA
  xMT0zNTowMCRBTSINCn0= "
}
```

“data” JSON (corresponds to the data element of Cancelled EWB Response(Success))

```
{
  "ewayBillNo": 111000609282,
  "cancelDate": "15/12/2017 11:35:00 AM"
}
```

JSON(in case of error)

```
{  
"status": "0",  
"error":{"errorCodes": 240}  
}
```

10. REJECT EWAYBILL API

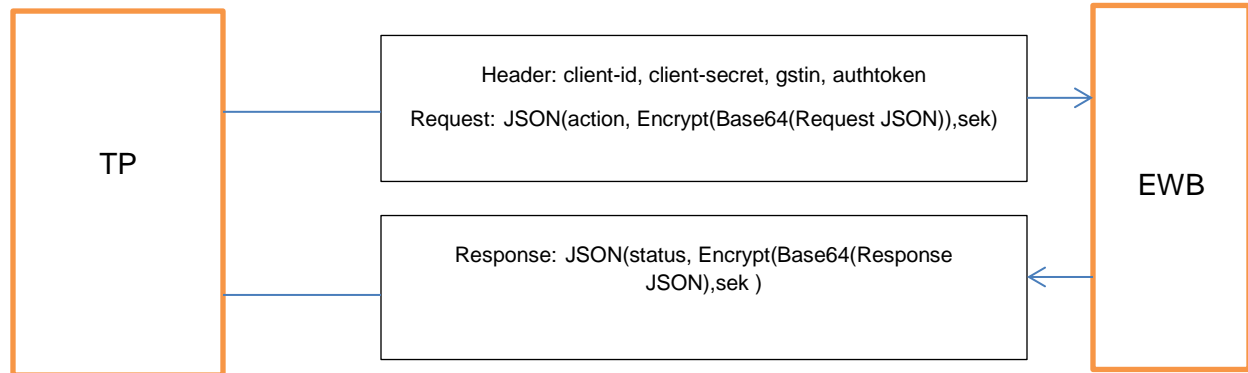


Figure 5. Sequence Diagram: Reject E-WAY BILL API Invocation

The format and details of Reject E-way bill API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/
Content-Type	application/json
Method	POST

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
Gstin	GSTIN of Requester(Tax payer or Transporter)
Authtoken	Authentication token returned by the E-way bill system

Request Payload

Attributes	Description
Action	REJEWB
Encrypt(Base64(Request JSON),sek)	Reject E-way bill JSON string.

Response Payload

Attributes	Description	Value
Status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),sek)	Response of Reject E-way bill Json string. The response will have rejected away bill number and rejected date if it is successfully rejected. Otherwise the response will have error codes	

Validations:

1. E-way bill can be rejected by the other party involved in the e-waybill, if generated by the supplier/recipient.
2. E-way bill can be rejected by supplier or recipient, if it is generated by the transporter.
3. E-way bill can be rejected within 72 hours of generation of e-way bill

Sample JSON

Reject E-WAY BILL Request

```
{
"action": "REJEWB ",
"data": "ew0KCSJld2JObyl6IClxODEwMDA2MDkyNzAiDQp9 "
}
```

“data” JSON corresponds to the data element of Reject E-WAY BILL Request above

```
{
"ewbNo": 181000609270
}
```

Reject E-WAY BILL Response

```
{
"status": "1",
"data": "ew0KCSJld2F5QmIsbE5vIjogMTgxMDAwNjA5MjcwLA0KCSJld2JSZWply3RlZERhdGUiOiAiMTUvMTlvMjAxNyAxMDoyNDowMjBBSINn0="
}
```

“data” JSON (corresponds to the data element of Reject EWB Response(Success))

```
{
"ewayBillNo": 181000609270,
"ewbRejectedDate": "15/12/2017 10:24:00 AM"
}
```

```
}
```

JSON(in case of error)

```
{  
"status": "0",  
"error":{"errorCodes": 240}  
}
```

11. UPDATE TRANSPORTER API

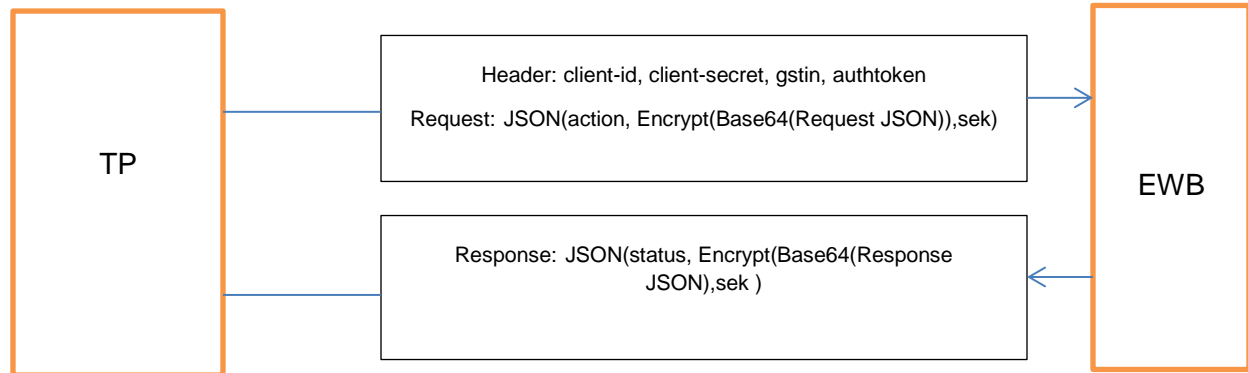


Figure 6. Sequence Diagram: Update Transporter API Invocation

The format and details of Update transporter API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/
Content-Type	application/json
Method	POST

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
Gstin	GSTIN of Requester(Tax payer or Transporter)
Authtoken	Authentication token returned by the E-way bill system

Request Payload

Attributes	Description
Action	UPDATETRANSPORTER
Encrypt(Base64(Request JSON),sek)	Update transporter JSON string.

Response Payload

Attributes	Description	Value
Status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),sek)	Response of Update Transporter Json string. The response will have e-way bill number for which Transporter detail updated and new transin if it is successfully updated Otherwise the response will have error codes	

Validations:

1. The transporter can be updated for the e-way bill only by the current transporter. If transporter is not assigned, then the generator can update
2. Transporter ID should be valid GSTIN or TRANSIN
3. Transporter can be updated only if the e-way bill is active, that is, not cancelled
4. Transporter can be updated only if the e-way bill is within validity period, that is, validity is not expired.

Sample JSON

Update transporter Request

```
{
  "action": "UPDATETRANSPORTER",
  "data": "9WnDVxq+4udo/JaeSkxf0CeNjHKAjI/eZBSV4xty2WN091dpn4BMwiD0IglBx9SZyI2Ys
  p308arcFb0N+D1/UQ=="
}
```

“data” JSON corresponds to the data element of Update Transporter Request above

```
{
  "ewbNo": "161000843009",
  "transporterId": "29AKLPM8755F1Z2"
}
```

Update Transporter Response

```
{
  "status": "1",
  "data": "R5cbQqbYz47IbX4HBelv7IXKnCb5otdm9tjT9wQ4aN1z1vLIAb0cTnFxQhz3X4CNFnQQNSbdDkCTa
  WmyfxJ65IaR4BTvyTiDXH7TzavmZZLM3pYaGN04O/7Pg7wHNfZnKm9Wq5wOoJoRn8Nt1b8mfg=="
}
```

“data” JSON (corresponds to the data element of Update Transporter Response(Success))

```
{
"ewayBillNo":"161000843009",
"transporterId":"29AKLPM8755F1Z2",
"transUpdateDate":"26/04/2018 04:32:27 PM"
}
```

JSON(in case of error)

```
{
"status": "0",
"error":{"errorCodes": 240}
}
```

12. EXTEND VALIDITY OF E-WAY BILL

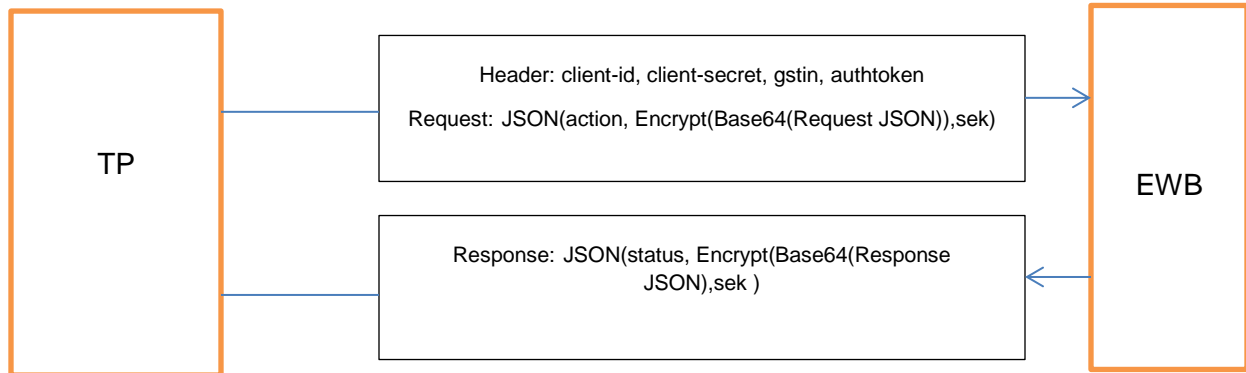


Figure 7. Sequence Diagram: Extend the validity of E-Way Bill API Invocation

The format and details of Extend the validity of E-Way Bill API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/
Content-Type	application/json
Method	POST

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
Gstin	GSTIN of Requester(Tax payer or Transporter)
Authtoken	Authentication token returned by the E-way bill system

Request Payload

Attributes	Description
Action	EXTENDVALIDITY
Encrypt(Base64(Request JSON),sek)	Extend Validity JSON string.

Response Payload

Attributes	Description	Value
Status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),sek)	Response of Extend Validity Json string. The response will have away bill number for which validity is extended and date of validity if it is successfully updated Otherwise the response will have error codes	

Validations:

1. The Validity of EWB can be extended only by the current transporter. If transporter is not assigned, then the generator can update.
2. The validity of EWB can be extended between 8 hours before expiry time and 8 hours after expiry time.
3. The reason code along with reason description for the extension has to be entered.
4. The present location of the consignment, at the time of requesting for the extension, has to be entered and distance to travel from there to destination has to be entered.
5. If vehicle number is passed, the format of the vehicle number should be valid and as per the format
6. In case of road as a transportation mode , the vehicle number should be passed and transport document number is optional
7. In case of rail, air or ship as a transportation mode, the transport document number is must
8. Remaining distance should not be more than the actual distance mentioned during the generation of E-way bill.

Sample JSON

Extend Validity Request

```
{
  "action": "EXTENDVALIDITY",
  "data": "QkICbCHmge8bPXwGjX13DRe/IASTnwmrqW7oESbyAi+iA24h/Sz5vnkLqKN3IdTxglxSOGQorNn/h4fVvYU4Fy9y2XSJj03DrZHeSMeoC90PFTWokxD9LkpWo8CMjuTO+gtZGcCPBi0TGJdK/1v4IkCbX/Ade5TR79UzooUnWNXeGSG57y9z2G1CnyQunGxVXQvDVWbIpLswdP/RUnFCDh1Bw8DoZGemto4UECv4LknDqHcQU8zhd6Pbpgna67iliVqQ9SMiemF7CoyQvEMYD+AepFRxMbi9dV5VSu3QcMYkbNd3xpaD9v6a4LZu5kkR"
}
```

“data” JSON corresponds to the data element of Extend Validity Request above

```
{
  "ewbNo": 161000843009,
  "vehicleNo": "PQR1234",
  "fromPlace": "Bengaluru",
  "fromState": 29,
  "remainingDistance": 50,
}
```

```
"transDocNo": "1234 ",
"transDocDate": "12/10/2017",
"transMode": "1",
"extnRsnCode": 1,
"extnRemarks": "Flood"
}
```

Extend Validity Response

```
{
"status": "1",
"data": "R5cbQqbYz47IbX4HBelv7jWBro2sSloDJNs7PekWVrFUyUSzxUT6Gw22hIaFj9971q8TmZi8YHstvKc97lr1/9q6KJMUXOaG9q3ETkOoN8jbhKTgp3nXuQ52ClFRtsdvXScp+R1xwihB8/TYvF9jqg=="
}
```

"data" JSON (corresponds to the data element of Extend Validity Response(Success))

```
{
"ewayBillNo": "161000843009",
"- updatedDate": "26/04/2018 05:07:00 PM",
"validUpto": "21/05/2018 11:59:00 PM"
}
```

JSON(in case of error)

```
{
"status": "0",
"error": {"errorCodes": 240}
}
```

13. REGENERATE CONSOLIDATED E-WAY BILL - API

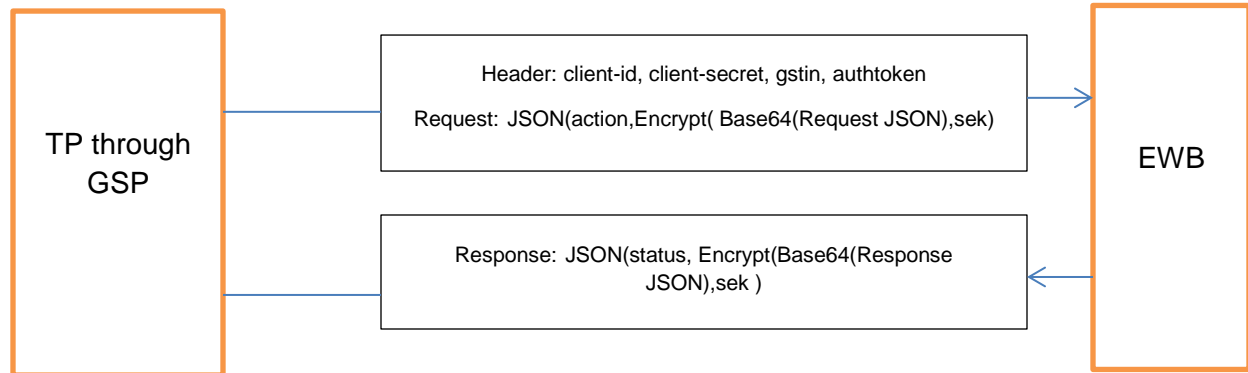


Figure 8. Sequence Diagram: Regeneration of Consolidated E-Way Bill API Invocation

The format and details of a Regeneration of Consolidated E-Way bill API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/
Content-Type	application/json
Method	POST

Request Header

Attributes	Description
client-id	clientid to be provided by EWAYBILL SYSTEM
client-secret	Secret to be provided by EWAYBILL SYSTEM
Gstin	GSTIN of Requester(Tax payer or Transporter)
Authtoken	Authentication token returned by the E-way bill system

Request Payload

Attributes	Description	Value
Action	REGENTRIPSHEET	REGENTRIPSHEET
Encrypt(Base64(Request JSON),sek)	Regeneration of Consolidated E- Way Bill JSON string	

Response Payload

Attributes	Description	Values
Status	Status of request	1-Success;0-Error
Encrypt(Base64 (Response JSON),sek)	Response of Update Vehicle JSON string, The response will have regenerated Consolidated E-Way Bill number and updated date if it is successfully updated. Otherwise the response will have error codes	

Validations:

1. CEWB can be re-generated by the generator of that CEWB or the current transporter.
2. Re-generate CEWB considers only the e-way bills which are active, that is, not cancelled
3. Re-generate CEWB considers only the e-way bills which are within the validity period, that is validity is not expired.
4. If vehicle number is passed, the format of the vehicle number should be valid and as per the format
5. In case of road as a transportation mode , the vehicle number should be passed and transport document number is optional
6. In case of rail, air or ship as a transportation mode, the transport document number is must

Sample JSON

Regenerate Consolidated E- Way Bill Request

```
{
"action": "REGENTRIPSHEET",
"data": "3AKV9paJsZrOTCbbWh5wQYjcCxpFVirDbZNUt/5lyIM2JtIdGxoZbR/RVaqiCHIAmj08CK/NCIHT9MI
FV0/ETSGqrBoTvefQJcuLnG8qL3OA2+qM6e6gBqc2giGbTDRQZMzclYVDH3oQfuY1BIKlb6rm7ZY1LKPM3R
nku9Sllz/qqIDK6alffclJoPF+P05HoewXf01VgBQAgP8aN5FsJ2BoPC++gae2zq5KAtYfJIHKyhLFxU7zm83K0fd
TVU/gIC35J1UIS0UuF6Zw+vbOA=="
}
```

“data” JSON corresponds to the data element of Regeneration of Consolidated E-Way Bill Request above

```
{
"tripSheetNo": 1710001952,
"vehicleNo": "PQR1234",
}
```

```
"fromPlace": "Bengaluru",
"fromState": 29,
"transDocNo": "1234 ",
"transDocDate": "26/04/2018 ",
"transMode": "1",
"reasonCode": 1,
"reasonRem": "Flood"
}
```

Regenerate Consolidated E-Way Bill Response

```
{
"status": "1",
"data": "6ElsamkmutKEw7o4iNNVOARZyD5fgbaZXH3XT18DkVYzXsUxtJbaO2Xy2em2re1tcdnlY6RrAo+J3pbSWtNz1lvcG7GqK7UJzljF5TrCnoxoo8byaYNv/6l1GUMR4ho8tQpBDQEgu/mPjkk91LV6GxYYOyM2SLAQHvq3i7mtqLs="}
```

“data” JSON corresponds to the data element of Regenerate Consolidated E-Way Bill Response(Success) above

```
{
"tripSheetNo": 1410001953,
"tripSheetEwayBills": [
  {"ewbNo": 161000843009},
  {"ewbNo": 171000842926}
]
```

JSON(in case of error)

```
{
"status": "0",
"error": {"errorCodes": 240}
}
```


14. GET E WAY BILL DETAILS

This method provides the e-way bill details for a given e-way bill number.

The format and details of GetWayBill API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/GetWayBill
Content-Type	application/json
Method	GET
URL Parameters	ewbNo

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
Gstin	GSTIN of Requester(Tax payer or Transporter)
Authtoken	Authentication token returned by the E-way bill system

Response Payload

Attributes	Description	Value
Status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),rek)	Response of E-way bill Json string.	
Encrypt(rek,sek)	Random encryption key which is encrypted using sek	
Hmac (Base64(JSON data))	HMAC-SHA256 of Base64 data using AES key (rek) as HMAC Key	

Validations:

1. E-way bill number should be 12 digit and valid
2. Requestor GSTIN has to be supplier GSTIN or recipient GSTIN or transporter GSTIN/TRANSIN in that e-way bill

Sample Json for GetWayBill

```
{
  "ewbNo":161001046722,
  "ewayBillDate":"03/05/2018 11:03:00 AM",
  "genMode":"API",
  "userGstin":"29AKLPM8755F1Z2",
  "supplyType":"O",
  "subSupplyType":"1 ",
  "docType":"INV",
  "docNo":"65656565",
  "docDate":"10/03/2018",
  "fromGstin":"29AKLPM8755F1Z2",
  "fromTrdName":"test",
  "fromAddr1":"4556",
  "fromAddr2":"hulimavu",
  "fromPlace":"bannargatta",
  "fromPincode":545454,
  "fromStateCode":29,
  "toGstin":"29AAAAA1799H1ZK",
  "toTrdName":"test2",
  "toAddr1":"toaddress1",
  "toAddr2":"toaddress2",
  "toPlace":"toplace",
  "toPincode":899879,
  "toStateCode":29,
  "totalValue":68000.00,
  "totInvValue":10.00,
  "cgstValue":10.00,
  "sgstValue":10.00,
  "igstValue":0.00,
  "cessValue":1800.00,
  "transporterId":"",
  "transporterName":"",
  "status":"ACT",
  "actualDist":2500,
  "noValidDays":25,
  "validUpto":"28/05/2018 11:59:00 PM",
  "extendedTimes":0,
  "rejectStatus":"N",
  "actFromStateCode":29,
  "actToStateCode":29,
```

```

"vehicleType":"R"
"itemList":[{"
"itemNo":1,
"productId":0,
"productName":"CEMENT",
"productDesc":"",
"hsnCode":25210010,
"quantity":2.00,
"qtyUnit":" ",
"cgstRate":10.000,
"sgstRate":10.000,
"igstRate":0.000,
"cessRate":1.000,
"cessAdvol":0.00,
"taxableAmount":0.00
},
{
"itemNo":2,
"productId":0,
"productName":"steel",
"productDesc":"steel rods",
"hsnCode":2402,
"quantity":4.00,
"qtyUnit":"NOS",
"cgstRate":10.000,
"sgstRate":10.000,
"igstRate":0.000,
"cessRate":3.000,
"cessAdvol":0.00,
"taxableAmount":0.00
}},
"VehicleListDetails":{"{
"updMode":"API",
"vehicleNo":"PQR1234",
"fromPlace":"Bengaluru",
"fromState":29,
"tripshtNo":1810002031,
"userGSTINTransin":"29AKLPM8755F1Z2",
"enteredDate":"12/05/2018 12:44:00 PM",
"transMode":"1 ",
"transDocNo":"1234",
"transDocDate":"03/05/2018",
    
```

```
},
{
  "updMode": "API",
  "vehicleNo": "PQR1234",
  "fromPlace": "Bengaluru",
  "fromState": 29,
  "tripshtNo": 1110002030,
  "userGSTINTransin": "29AKLPM8755F1Z2",
  "transMode": "1 ",
  "transDocNo": "1234",
  "transDocDate": "03/05/2018",
  "enteredDate": "12/05/2018 12:44:00 PM",
},
{
  "updMode": "API",
  "vehicleNo": "KA25AB3456",
  "fromPlace": "BANGALORE SOUTH",
  "fromState": 29,
  "tripshtNo": 1510002029,
  "userGSTINTransin": "29AKLPM8755F1Z2",
  "transMode": "1 ",
  "transDocNo": "1234",
  "transDocDate": "12/10/2017",
  "enteredDate": "12/05/2018 12:44:00 PM",
},
{
  "updMode": "API",
  "vehicleNo": "KA25AB3456",
  "fromPlace": "BANGALORE SOUTH",
  "fromState": 29,
  "tripshtNo": 1810002028,
  "userGSTINTransin": "29AKLPM8755F1Z2",
  "transMode": "1 ",
  "transDocNo": "1234",
  "transDocDate": "12/10/2017",
  "enteredDate": "12/05/2018 12:44:00 PM",
},
{
  "updMode": "API",
```

```
"vehicleNo":"RJ191G5024",  
"fromPlace":"bannargatta",  
"fromState":29,  
"tripshtNo":0,  
"userGSTINTransin":"29AKLPM8755F1Z2",  
"transMode":"1 ",  
"transDocNo":"12345",  
"transDocDate":null,  
"enteredDate":"12/05/2018 12:44:00 PM",  
}}  
}
```

15. GET EWAY BILL ASSIGNED TO YOU (REQUESTING GSTIN) FOR A TRANSPORTATION WITHIN STATE– PARTICULAR DATE

This method provides the list of e-way bills assigned to requesting GSTIN/TRANSIN for a transportation of goods by his clients in his state, based on generated date

The format and details of GetEwayBillsForTransporter API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/GetEwayBillsForTransporter
Content-Type	application/json
Method	GET
URL Parameters	date
URL Parameter Desc	date – E-way bill generated Date

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
gstn	GSTIN of Requester(Transporter)
authtoken	Authentication token returned by the E-way bill system

Response Payload

Attributes	Description	Value
status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),rek)	Response of E-way bill assigned to a transporter Json string.	
Encrypt(rek,sek)	Random encryption key which is encrypted using sek	
Hmac (Base64(JSON data))	HMAC-SHA256 of Base64 data using AES key (rek) as HMAC Key	

Sample JSON for GetEwayBillsForTransporter

```
[{ "ewbNo": 151000256262,
  "ewbDate": "10/12/2017 10:45:00 AM ",
  "genGstin": "29AMRPV8729L1Z1",
  "docNo": "",
  "docDate": "22/09/2017",
  "delPlace": "Bangalore",
  "delPinCode": 560056,
  "delStateCode": 29,
  "validUpto": "17/12/2017 -11.59.00 PM",
  "extendedTimes": 0,
  "status": "ACT",
  "rejectStatus": "Y"
},
{ "ewbNo": 121000359898,
  "ewbDate": "10/12/2017 10:45:00 AM ",
  "genGstin": "29AAECP2371C1ZL",
  "docNo": "TA120",
  "docDate": "20/09/2017",
  "delPlace": "Bangalore",
  "delPinCode": 560013,
  "delStateCode": 29,
  "validUpto": "17/12/2017 12.00:00 PM",
  "extendedTimes": 0,
  "status": "ACT",
  "rejectStatus": "Y"
}
]
```

16. GET EWAY BILL ASSIGNED TO YOU (REQUESTING GSTIN) FOR TRANSPORTATION – PARTICULAR GSTIN and DATE

This method provides the list of E-way bills assigned to requesting GSTIN/TRANSIN for transportation by a given GSTIN, based on generated date.

The format and details of GetEwayBillsForTransporterByGstin API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/GetEwayBillsForTransporterByGstin
Content-Type	application/json
Method	GET
URL Parameters	Gen_gstin, date
URL Parameter Description	Gen_gstin – GSTIN of E-way bill generator date – E-way bill generated Date Parameters needs to be passed in the order in which it is listed

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
gstin	GSTIN of Requester(Transporter)
authtoken	Authentication token returned by the E-way bill system

Response Payload

Attributes	Description	Value
status	Status of request	1 – Success; 0 - Error
Encrypt(Base64(Response JSON),rek)	Response of E-way bill assigned to a Transporter for a specific GSTIN Json string.	
Encrypt(rek,sek)	Random encryption key which is encrypted using sek	
Hmac (Base64(JSON data))	HMAC-SHA256 of Base64 data using AES key (rek) as HMAC Key	

Validation:

1. Valid date has to be passed
2. Valid GSTIN of the generator of the e-way bill has to be passed

13.1.1 Sample JSON

```
[
{
  "ewbNo": 151000256262,
  "ewbDate": "10/12/2017 10:45:00 AM ",
  "genGstin": "29AMRPV8729L1Z1",
  "docNo": "",
  "docDate": "22/09/2017",
  "delPinCode": 560056,
  "delStateCode": 29,
  "validUpto": "17/12/2017 12.00:00 PM",
  "extendedTimes": 0,
  "delPlace": "Bangalore",
  "status": "ACT",
  "rejectStatus": "Y"
},
{
  "ewbNo": 121000359898,
  "ewbDate": "10/12/2017 10:45:00 AM ",
  "genGstin": "29AAECP2371C1ZL",
  "docNo": "TA120",
  "docDate": "20/09/2017",
  "delPinCode": 560013,
  "delStateCode": 29 ,
  "validUpto": "17/12/2017 12.00:00 PM",
  "extendedTimes": 0,
  "delPlace": "Bangalore",
  "status": "ACT",
  "rejectStatus": "Y"
}
]
```

17. GET E-WAY BILLS GENERATED ON YOU (REQUESTING GSTIN) BY OTHER PARTIES

This method provides the list of E-way bills generated by other parties on your GSTIN. This can be used for rejecting the e-way bill, if required.

The format and details of GetEWayBillsofOtherParty API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/GetEWayBillsofOtherParty
Content-Type	application/json
Method	GET
URL Parameters	date
URL Parameter Desc	date – E-way bill generated Date Parameters needs to be passed in the order in which it is listed

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
Gstin	GSTIN of Requester
authtoken	Authentication token returned by the E-way bill system

Response Payload

Attributes	Description	Value
Status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),rek)	Response of E-way bill generated by other party Json string.	
Encrypt(rek,sek)	Random encryption key which is encrypted using sek	

Hmac (Base64(JSON data))	HMAC-SHA256 of Base64 data using AES key (rek) as HMAC Key	
----------------------------	--	--

Validations:

1. Passing date should be within last/latest 3 days , other than current date
2. Passing date cannot be current date

Sample Json

```
[
{
  "ewbNo": 151000256262,
  "ewayBillDate": "10/12/2017 10:45:00 AM ",
  "genMode": "API",
  "genGstin": "29AMRPV8729L1Z1",
  "docNo": "",
  "docDate": "22/09/2017",
  "fromgstn": "29AAAAX1234S1ZN",
  "fromTradename": "XYZ Enterprises",
  "togstin": "29YYYXX1234S1ZN",
  "toTradename": "ABC Enterprises",
  "totInvValue": 1234556,
  "hsnCode": 12,
  "hsnDesc": "ddsd",
  "status": "ACT",
  "rejectStatus": "Y"
},
{
  "ewbNo": 121000359898,
  "ewbDate": "10/12/2017 10:45:00 AM ",
  "genGstin": "29AAECP2371C1ZL",
  "docNo": "TA120",
  "docDate": "20/09/2017",
  "fromGstin": "29AAAAX1234S1ZN",
  "fromTradeName": "XYZ Enterprises",
  "toGstin": "29YYYXX1234S1ZN",
  "toTradeName": "ABC Enterprises",
  "totInvValue": 1234556,
  "hsnCode": 12,
  "hsnDesc": "ddsd",
  "status": "ACT",
  "rejectStatus": "Y"
}
]
```


18. GET CONSOLIDATED E-WAY BILL

This method provides the Consolidated E-way bill details for a given E-way bill number.

The format and details of GetTripSheet API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/ewayapi/GetTripSheet
Content-Type	application/json
Method	GET
URL Parameters	tripSheetNo
URL Parameters description	tripSheetNo – Consolidated E-way bill number

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
gstin	GSTIN of Requester(Tax payer or Transporter)
authtoken	Authentication token returned by the E-way bill system

Response Payload

Attributes	Description	Value
status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),rek)	Response of Consolidated E-way bill Json string.	
Encrypt(rek,sek)	Random encryption key which is encrypted using sek	
Hmac (Base64(JSON data))	HMAC-SHA256 of Base64 data using AES key (rek) as HMAC Key	

Validations:

1. Cons. E-way bill number should be 10 digit and valid
2. Requestor GSTIN/TRANSIN has to generator of the Cons. e-way bill

Sample Response Json for GetTripSheet (Consolidated E-way Bill)

```

{
  "tripSheetNo": 1610005711,
  "fromPlace": "TYH",
  "fromState": "29",
  "vehicleNo": "KA12ER4344",
  "transMode": "1 ",
  "userGstin": "29BQSPA3829E1ZG",
  "enteredDate": "12/12/2018 11:50:00 AM",
  "transDocNo": "897",
  "transDocDate": "17/12/2017",
  "tripSheetEwbBills": [
    {
      "ewbNo": 131009585893,
      "ewbDate": "10/12/2017 10:45:00 AM",
      "userGstin": "29BQSPA3829E1ZG",
      "docNo": "1012 ";
      "docDate": "10/12/2017 ";
      "fromGstin": "29AAAAX1234S1ZN",
      "fromTradeName": "XYZ Enterprises",
      "toGstin": "29YYYXX1234S1ZN",
      "toTradeName": "ABC Enterprises",
      "totInvValue": 123455,
      "validUpto": "20/12/2017 -11:59:00 PM"
    },
    {
      "ewbNo": 141009586518,
      "ewbDate": "10/12/2017 10:45:00 AM ",
      "userGstin": "29BQSPA3829E1ZG",
      "docNo": "doc45",
      "docDate": "13/12/2017",
      "fromGstin": "29AAAAX1234S1ZN",
      "fromTradeName": "XYZ Enterprises",
      "toGstin": "29YYYXX1234S1ZN",
      "toTradeName": "ABC Enterprises",
      "totInvValue": 123455,
      "validUpto": "21/09/2017 -11:59:00 PM"
    }
  ]
}
    
```

```
}  
[] }
```

19. GET GSTIN details

This method provides the tax payer and registered transporter's details for a given GSTIN number.

The format and details of GetGSTIN API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/Master/GetGSTINDetails
Content-Type	application/json
Method	GET
URL Parameters	-gstin
URL Parameters description	GSTIN – GSTIN number for which the details are required

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
gstin	GSTIN of Requester(Tax payer or Transporter)
authtoken	Authentication token returned by the E-way bill system

Response Payload

Attributes	Description	Value
status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),rek)	Response of GSTIN details Json string.	
Encrypt(rek,sek)	Random encryption key which is encrypted using sek	
Hmac (Base64(JSON data))	HMAC-SHA256 of Base64 data using AES key (rek) as HMAC Key	

Sample Json for GetGSTIN (GSTIN details)

GetGSTIN Response

```
{
  "status": "1",
  "data": "pqO4DZbmV374giihBU2i8IyAlwstG5K0jajoEwb5H9Cy33aEji2MAnSauFeTduDqin/WASDoWoT9rx
04Z4fNZ40NqFMq4QqqtqOXXpd7aqsI3wX0IW3EwuMpncLAm6cu5J9aylFY1ULRmQpy/aL9js/xnWcVzDdj
EYXW3+OsYwB+jk4XX7jynDbtaSIHXc4", "rek": "ieJ8Yyyua7HW9tpJc7HtNirzoQAS5kMPli+KEUOyvEgWGDsj
NkiwEB76t4u5rai7", "hmac": "mFJ+1oFDKg233BLYP9QZjHN+mLJd9YCGz7JJWqwN6no="
}
```

“data” JSON (corresponds to the data element of GetGSTIN Response(Success))

```
{
  "gstIn": "29AKLPM8755F1Z2",
  "tradeName": "XYZ Traders",
  "legalName": "NICTEST",
  "address1": "SOME STREET",
  "address2": "SOME CITY",
  "stateCode": "29",
  "pinCode": "560079"
}
```

JSON(in case of error)

```
{
  "status": "0",
  "error": {"errorCodes": 240}
}
```

20. GET Transin details

This method provides the enrolled (unregistered) transporter details for a given Transporter Transin .

The format and details of GetTransin API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/Master/GetTransporterDetails
Content-Type	application/json
Method	GET
URL Parameters	trn_no
URL Parameters description	trn_no – Transporter GSTIN or Transin for which the details are required

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
Gstin	GSTIN of Requester(Tax payer or Transporter)
authtoken	Authentication token returned by the E-way bill system

Response Payload

Attributes	Description	Value
Status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),rek)	Response of GSTIN details Json string.	
Encrypt(rek,sek)	Random encryption key which is encrypted using sek	
Hmac (Base64(JSON data))	HMAC-SHA256 of Base64 data using AES key (rek) as HMAC Key	

Sample Json for GetTransin (Transporter details)

GetTransin Response

```
{
  "status": "1",
  "data": "pqO4DZbmV374giihBU2i8IyAlwstG5K0jajoEwb5H9Cy33aEji2MAnSauFeTduDqin/WASDoWoT9rx
04Z4fNZ40NqFMq4QqqtqOXXpd7aqsI13wX0lW3EwuMpncLAm6cu5J9aylFY1ULRmQpy/aL9js/xnWcVzDdj
EYXW3+OsYwB+jk4XX7jynDbtaSIHXc4", "rek": "ieJ8YYyua7HW9tpJc7HtNirzoQAS5kMPli+KEUOyvEgWGDsj
NkiwEB76t4u5rai7", "hmac": "mFJ+1oFDKg233BLYP9QZjHN+mLJd9YCGz7JJWqwN6no="
}
```

"data" JSON (corresponds to the data element of GetTransin Response(Success))

```
{
  "transin": "29AKLPM8755F1Z2",
  "tradeName": "XYZ Traders",
  "legalName": "NICTEST",
  "address1": "SOME STREET",
  "address2": "SOME CITY",
  "stateCode": "29",
  "pinCode": "560079"
}
```

JSON(in case of error)

```
{
  "status": "0",
  "error": {"errorCodes": 240}
}
```

21. GET Error List

This method provides the list of errors thrown by API.

The format and details of GetErrorList API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/Master/GetErrorList
Method	GET
URL Parameters	
URL Parameters description	

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
gstin	GSTIN of Requester(Tax payer or Transporter)
authtoken	Authentication token returned by the E-way bill system

Response Payload

Attributes	Description	Value
status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),rek)	Response of GSTIN details Json string.	
Encrypt(rek,sek)	Random encryption key which is encrypted using sek	
Hmac (Base64(JSON data))	HMAC-SHA256 of Base64 data using AES key (rek) as HMAC Key	

Sample Json for GetErrorList (Errors details)

GetErrorList Response

```
{
  "status": "1",
  "data": "zX2L7DVztyPqii7otM89K4JAosR/RD5Beg3Coa+7JYiC7rviT9694bMJLDDHRaimKVTgvpTdxnfvSZ/SjhNfuA==",
  "rek": "C3J09sBhJSi+mLdYguXyQCJY2F2bBculn3Na1Swhm2ux7Ez0tKl74s/ij5hOD+P9",
  "hmac": "aGbw5415X8h0MO9Fk7SXTm/oDsRRNiZj7Hgxo0stOow="
}
```

“data” JSON (corresponds to the data element of GetErrorList Response(Success))

```
[[
  {
    "errorCode": "100",
    "errorDesc": "Invalid json"
  }
]]
```

JSON(in case of error)

```
{
  "status": "0",
  "error": {"errorCodes": 240}
}
```

22. GET HSN details

This method provides the HSN description details for a given HSN Code .

The format and details of HSN API request is depicted in following table.

URL	http://ewaybill2.nic.in/ewaybillapi/v1.02/Master/GetHsnDetailsByHsnCode
Content-Type	application/json
Method	GET
URL Parameters	hsncode
URL Parameters description	hsncode for which the details are required

Request Header

Attributes	Description
client-id	clientid to be provided by E-WAY BILL SYSTEM
client-secret	Secret to be provided by E-WAY BILL SYSTEM
GSTIN	GSTIN of Requester(Tax payer or Transporter)
authtoken	Authentication token returned by the E-way bill system

Response Payload

Attributes	Description	Value
Status	Status of request	1 – Success ; 0 - Error
Encrypt(Base64(Response JSON),rek)	Response of HSN details Json string.	
Encrypt(rek,sek)	Random encryption key which is encrypted using sek	
Hmac (Base64(JSON data))	HMAC-SHA256 of Base64 data using AES key (rek) as HMAC Key	

Sample Json for GetHSN (HSN details)

GetHSN Response

```
{
"status": "1",

"data": "FNWLIgnnbZjmRd2yVAyouCM/Q/6IhGUreS0u9RwQ3/jxy5Wz021LfEDo0yRk6cRPZtMCdm2rdkNo1bd5ueiyHA==",
"rek": "jqBN5+JqNQiwlyHTEMqAzB7MZwSJZz6Fw/1Bkgou3CKx7Ez0tK174s/ij5h0D+P9",
"hmac": "N3mdYAT4Tq0zgh3Znok7rHTi692Xy1zhQUBGExjBVHI="
}
```

“data” JSON (corresponds to the data element of GetHSN Response(Success))

```
{
"hsnCode": "1001",
"hsnDesc": "WHEAT AND MESLIN - Durum wheat : "
}
```

JSON(in case of error)

```
{
"status": "0",
"error": {"errorCodes": 240}
}
```

23. Sample Code in C#.net to integrate this API with Tax Payer System

23.1 Encryption and Decryption

[Asymmetric Key Encryption \(RSA\)](#)

The following C#.Net code snippet can be used for encrypting the password and the appkey using the public key given by the E-way bill System. The encryption method used here is RSA.

```
public static string EncryptAsymmetric(string data, string key)
{
    byte[] keyBytes = Convert.FromBase64String(key);
    AsymmetricKeyParameter asymmetricKeyParameter =
    PublicKeyFactory.CreateKey(keyBytes);
    RsaKeyParameters rsaKeyParameters = (RsaKeyParameters)asymmetricKeyParameter;
    RSAParameters rsaParameters = new RSAParameters();
    rsaParameters.Modulus = rsaKeyParameters.Modulus.ToByteArrayUnsigned();
    rsaParameters.Exponent = rsaKeyParameters.Exponent.ToByteArrayUnsigned();
    RSACryptoServiceProvider rsa = new RSACryptoServiceProvider();
    rsa.ImportParameters(rsaParameters);
    byte[] plaintext = Encoding.UTF8.GetBytes(data);
    byte[] ciphertext = rsa.Encrypt(plaintext, false);
    string cipherresult = Convert.ToBase64String(ciphertext);

    return cipherresult;
}
```

[Symmetric Key Encryption \(AES\)](#)

The following C#.Net code snippet can be used for encrypting the data using the symmetric key.

```
public static string EncryptBySymmetricKey(string text, string sek)
{
    //Encrypting SEK
    try
    {
        byte[] dataToEncrypt = Convert.FromBase64String(text);
        var keyBytes = Convert.FromBase64String(sek);
        AesManaged tdes = new AesManaged();
        tdes.KeySize = 256;
        tdes.BlockSize = 128;
        tdes.Key = keyBytes;
        tdes.Mode = CipherMode.ECB;
        tdes.Padding = PaddingMode.PKCS7;
        ICryptoTransform encrypt__1 = tdes.CreateEncryptor();
        byte[] deCipher = encrypt__1.TransformFinalBlock(dataToEncrypt, 0,
        dataToEncrypt.Length);
        tdes.Clear();

        string EK_result = Convert.ToBase64String(deCipher);
        return EK_result;
    }
}
```



```

    }
    catch (Exception ex)
    {
        throw ex;
    }
}

```

[Symmetric Decryption \(AES\)](#)

The following C#.Net code snippet can be used for decrypting the encrypted string using the key.

```

public static byte[] DecryptBySymmetricKey(string encryptedText, byte[] key)
{
    //Decrypting SEK
    try
    {
        byte[] dataToDecrypt = Convert.FromBase64String(encryptedText);
        var keyBytes = key;
        AesManaged tdes = new AesManaged();
        tdes.KeySize = 256;
        tdes.BlockSize = 128;
        tdes.Key = keyBytes;
        tdes.Mode = CipherMode.ECB;
        tdes.Padding = PaddingMode.PKCS7;
        ICryptoTransform decrypt__1 = tdes.CreateDecryptor();
        byte[] deCipher = decrypt__1.TransformFinalBlock(dataToDecrypt, 0,
dataToDecrypt.Length);
        tdes.Clear();

        string EK_result = Convert.ToBase64String(deCipher);
        return EK_result;
    }
    catch (Exception ex)
    {
        throw ex;
    }
}

```

23.2 Sample code to generate Access token

```
Public void GetAuthToken()
```

Step 1: Get the public key from the file stored in the folder and remove the string "-----BEGIN PUBLIC KEY-----" at the start and "-----END PUBLIC KEY-----" at the end

```
{
using (var reader = File.OpenText(@"D:\ConsumeEwayBillAPI\ewaybill_publickey.pem"))
public_key = reader.ReadToEnd().Replace("-----BEGIN PUBLIC KEY-----", "").Replace("-----END PUBLIC KEY-----", "").Replace("\n", "");
```

Step 2: Create Http request object with headers and payload to consume authentication API

```
HttpRequest request =
(HttpRequest)WebRequest.Create ("http://ewaybill2.nic.in/ewaybillapi/v1.02/Authenticate");
request.Method = "POST";
request.KeepAlive = true;
request.AllowAutoRedirect = false;
request.Accept = "*/*";
```

Step 3: Set the client-id , client secret as given by E-way bill system, and set your GSTIN

```
request.ContentType = "application/json";
request.Headers.Add("client-id", "test_clientid");
request.Headers.Add("client-secret", "test_client_secret");
request.Headers.Add("gstin", "testgstin");
```

Step 4: Encrypt the password using the Public key of the E-way bill system. This will be the encrypted password.

```
string encPassword = Encrypt("testpwd", public_key);
```

Step 5: Create a secure key by calling random function and convert the same to Base64. Encrypt the secure key by the Public key of the E-way bill system. This will be the encrypted app key.

```
byte[] _aeskey = encdec.generateSecureKey(); //common.RandomString(32); //
string straesKey = Convert.ToBase64String(_aeskey);
string encAppKey = encdec.Encrypt(_aeskey, public_key);
```

Step 6: Set the action as 'ACCESSTOKEN'. Set the username as given by the E-way bill system to you. Set the Encrypted password (previously generated). Set the Encrypted App key (previously generated)

```
RequestPayload aRequestPayload = new RequestPayload();
aRequestPayload.action = "ACCESSTOKEN";
```

```
aRequestPayload.username = "testacc";  
aRequestPayload.password = encPassword;  
aRequestPayload.app_key = encAppKey;
```

Step 7: Post the API request and receive the response for auth token

```
JavaScriptSerializer serial1 = new JavaScriptSerializer();  
using (var streamWriter = new StreamWriter(request.GetRequestStream()))  
{  
    string json = serial1.Serialize(aRequestPayload);  
    streamWriter.Write(json);  
    streamWriter.Flush();  
    streamWriter.Close();  
}  
WebResponse response = request.GetResponse();  
string result = new StreamReader(response.GetResponseStream()).ReadToEnd();  
AuthResponse objresp = new AuthResponse();  
objresp = serial1.Deserialize <AuthResponse> (result);  
string decryptedappkey = encdec.DecryptSymmetric(objresp.sek, straesKey);  
}
```

23.3 Sample code to generate E-way Bill

Public GeneratedEwayBill()

Step 1: Prepare the request object by setting the URL, client-id, client secret, GSTIN, and Auth token received from the previous API.

```
{
    HttpWebRequest request =
    (HttpWebRequest)WebRequest.Create("http://ewaybill2.nic.in/ewaybillapi/v1.01/EwayApi");
    request.Method = "POST";
    request.KeepAlive = true;
    request.AllowAutoRedirect = false;
    request.Accept = "*/*";
    request.ContentType = "application/json";
    request.Headers.Add("client-id", "TESTCLIENTID");
    request.Headers.Add("client-secret", "CLIENTSECRET");
    request.Headers.Add("gstin", "29AAACGIIII1Z3");
    request.Headers.Add("authtoken", "0aAjBKdo7rcNYJB30g5DS2u8z");
}
```

Step 2: Prepare the JSON string with all parameters. Post the request and receive the response. Refer the annexure for the parameter details.

```
ewayapi.Entities.EwayBillApiRequest ewbReq = new
ewayapi.Entities.EwayBillApiRequest();
ewbReq.action = "GENEWAYBILL";
//Serialised JSON Data
// Following is for illustration purpose only , Actual JSOM format from the Sample JSON / Schema may be
referred
string jsonData =
"{\"supplyType\": \"O\", \"subSupplyType\": \"1\", \"DocType\": \"INV\", \"docNo\": \"65656565\", \"docDate\": \"10/03/2018\", \"fromGstin\": \"08AAAFW1939J1ZX\", \"actFromStateCode\": \"29\", \"actToStateCode\": \"29\", \"totInvValue\": \"10.0\", \"fromTrdName\": \"test\", \"fromAddr1\": \"4556\", \"fromAddr2\": \"hulimavu\", \"fromPlace\": \"bannargatta\", \"fromPincode\": \"545454\", \"fromStateCode\": \"29\", \"toGstin\": \"05AAAAZ1723G1ZR\", \"toTrdName\": \"test2\", \"toAddr1\": \"toaddress1\", \"toAddr2\": \"toaddress2\", \"toPlace\": \"toplace\", \"toPincode\": \"899879\", \"toStateCode\": \"29\", \"totalValue\": \"68000\", \"cgstValue\": \"10\", \"sgstValue\": \"10\", \"igstValue\": \"0\", \"cessValue\": \"1800\", \"transporterName\": \"\", \"transporterId\": \"29AAACG0569P1Z3\", \"transDocNo\": \"12345\", \"transMode\": \"1\", \"transDocDate\": \"10/03/2018\", \"transDistance\": \"20\", \"vehicleType\": \"r\", \"vehicleNo\": \"RJ191G5024\", \"ItemList\": [{\"productName\": \"CEMENT\", \"hsnCode\": \"25210010\", \"quantity\": \"2\", \"cgstRate\": \"10\", \"sgstRate\": \"10\", \"igstRate\": \"0\", \"cessRate\": \"1\", \"cessAdvol\": \"0\"}, {\"productName\": \"steel\", \"productDesc\": \"steel rods\", \"hsnCode\": \"2402\", \"quantity\": \"4\", \"qtyUnit\": \"NOS\", \"cgstRate\": \"10\", \"sgstRate\": \"10\", \"igstRate\": \"0\", \"cessRate\": \"3\", \"cessAdvol\": \"0\"}]}";
ewbReq.data =
encdec.EncryptBySymmetricKey(Convert.ToBase64String(System.Text.Encoding.UTF8.GetBytes(jsonData)), sek);
using (var streamWriter = new StreamWriter(request.GetRequestStream()))
{
    string json = serial1.Serialize(ewbReq);
    streamWriter.Write(json);
}
```

```

        streamWriter.Flush();
        streamWriter.Close();
    }
    WebResponse response = request.GetResponse();
    string result = new StreamReader(response.GetResponseStream()).ReadToEnd();
    serial1 = new JavaScriptSerializer();
    
```

Step 3: Receive the response. Decrypt using sek and Decode the Base 64 string to plain text

```

ewayapi.Entities.EwayBillApiResponse ewbres =
serial1.Deserialize<ewayapi.Entities.EwayBillApiResponse>(result);
    string data = encdec.DecryptBySymmetricKey(ewbres.data,
Convert.FromBase64String(sek));
    byte[] reqDataBytes = Convert.FromBase64String(data);
    string requestData = System.Text.Encoding.UTF8.GetString(reqDataBytes);
    
```

23.4 Sample code to update Vehicle

```

Public void UpdateVehicle
{
    HttpWebRequest request = (HttpWebRequest)WebRequest
.Create("http:// ewaybill2.nic.in/ewaybillapi/EwayApi");
    request.Method = "POST";
    request.KeepAlive = true;
    request.AllowAutoRedirect = false;
    request.Accept = "*/*";
    request.ContentType = "application/json";
    request.Headers.Add("client-id", "TESTCLIENTID");
    request.Headers.Add("client-secret", "CLIENTSECRET");
    request.Headers.Add("gstIn", "29AAACGIIIII1Z3");
    request.Headers.Add("authToken", "0aAjBKdo7rcNYJB30g5DS2u8z");
    ewayapi.Entities.EwayBillApiRequest ewbReq = new
        ewayapi.Entities.EwayBillApiRequest();
    ewbReq.action = "VEHEWB";
    JavaScriptSerializer serial1 = new JavaScriptSerializer();
    // Following is for illustration purpose only , Actual JSOM format from the Sample JSON / Schema may be
    // referred
    string jsonData =
    "{\"ewbNo\":111000609282,\"vehicleNo\": \"PQR1234\", \"fromPlace\": \"BANGALORE\", \"fromState\": 29, \"re
asonCode\": \"1\", \"reasonRem\": \"vehicle broke down\", \"transMode\": \"1\",
    \"transDocNo\": \"1\", \"transDocDate\": \"10/11/2017\"}";

    ewbReq.data =
    encdec.EncryptBySymmetricKey(Convert.ToBase64String(System.Text.Encoding.UTF8.Ge
tBytes(jsonData)), sek);
    using (var streamWriter = new StreamWriter(request.GetRequestStream()))
    {
        string json = serial1.Serialize(ewbReq);
        streamWriter.Write(json);
        streamWriter.Flush();
        streamWriter.Close();
    }
}
    
```

```
WebResponse response = request.GetResponse();
string result = new StreamReader(response.GetResponseStream()).ReadToEnd();
serial1 = new JavaScriptSerializer();
```

Step 3: Receive the response. Decrypt and Decode the Base 64 string to plain text

```
ewayapi.Entities.EwayBillApiResponse ewbres =
serial1.Deserialize<ewayapi.Entities.EwayBillApiResponse>(result);
string data = encdec.DecryptBySymmetricKey(ewbres.data,
Convert.FromBase64String(sek));
byte[] reqDataBytes = Convert.FromBase64String(data);
string requestData = System.Text.Encoding.UTF8.GetString(reqDataBytes);
}
```

23.5 Sample code to Generate Consolidated Eway bill

```
Public void GenerateConsolidatedEwb()
{
    HttpWebRequest request = (HttpWebRequest)WebRequest
.Create("http:// ewaybill2.nic.in/ewaybillapi/EwayApi");
    request.Method = "POST";
    request.KeepAlive = true;
    request.AllowAutoRedirect = false;
    request.Accept = "*/*";
    request.ContentType = "application/json";
    request.Headers.Add("client-id", "TESTCLIENTID");
    request.Headers.Add("client-secret", "CLIENTSECRET");
    request.Headers.Add("gstIn", "29AAACGIIIII1Z3");
    request.Headers.Add("authToken", "0aAjBKdo7rcNYJB30g5DS2u8z");
    ewayapi.Entities.EwayBillApiRequest ewbReq = new
        ewayapi.Entities.EwayBillApiRequest();
    ewbReq.action = "GENCEWB";
    JavaScriptSerializer serial1 = new JavaScriptSerializer();
    // Following is for illustration purpose only , Actual JSOM format from the Sample JSON / Schema may be
    // referred
    string jsonData = "{\"fromPlace\": \"BANGALORE
    SOUTH\", \"fromState\": \"29\", \"vehicleNo\": \"KA12AB1234\", \"transMode\": \"1\",
    \"TransDocNo\": \"1\", \"TransDocDate\": \"10/11/2017\",
    \"tripSheetEwbBills\": [{\"ewbNo\": 111000609282}, {\"ewbNo\": 181000609270}]\"";

    ewbReq.data =
    encdec.EncryptBySymmetricKey(Convert.ToBase64String(System.Text.Encoding.UTF8.Ge
    tBytes(jsonData)), sek);
    using (var streamWriter = new StreamWriter(request.GetRequestStream()))
    {
        string json = serial1.Serialize(ewbReq);
        streamWriter.Write(json);
        streamWriter.Flush();
        streamWriter.Close();
    }
    WebResponse response = request.GetResponse();
    string result = new StreamReader(response.GetResponseStream()).ReadToEnd();
```

```
serial1 = new JavaScriptSerializer();
```

Step 3: Receive the response. Decrypt using sek and Decode the Base 64 string to plain text

```
ewayapi.Entities.EwayBillApiResponse ewbres =
    serial1.Deserialize<ewayapi.Entities.EwayBillApiResponse>(result);
    string data = encdec.DecryptBySymmetricKey(ewbres.data,
Convert.FromBase64String(sek));
    byte[] reqDataBytes = Convert.FromBase64String(data);
    string requestData = System.Text.Encoding.UTF8.GetString(reqDataBytes);
}
```

23.6 Sample code to Cancel Eway bill

```
Public void CancelEwayBill()
{
    HttpWebRequest request =
(HttpWebRequest)WebRequest.Create("http://ewaybill2.nic.in/ewaybillapi/v1.02/EwayApi");
    request.Method = "POST";

    /*Optional*/
    request.KeepAlive = true;
    request.AllowAutoRedirect = false;
    request.Accept = "*/";
    request.ContentType = "application/json";
    request.Headers.Add("client-id", "TESTCLIENTID");
    request.Headers.Add("client-secret", "CLIENTSECRET");
    request.Headers.Add("gstin", "29AAACGIIIII1Z3");
    request.Headers.Add("authtoken", "0aAjBKdo7rcNYJB30g5DS2u8z");
    ewayapi.Entities.EwayBillApiRequest ewbReq = new
    ewayapi.Entities.EwayBillApiRequest();
    ewbReq.action = "CANEWB";
    JavaScriptSerializer serial1 = new JavaScriptSerializer();

    // Following is for illustration purpose only , Actual JSOM format from the Sample JSON / Schema
    may be referred

    string jsonData = "{\"ewbNo\":111000609282,\"cancelRsnCode\":2,\"cancelRmrk\": \"Cancelled the
order\"}";

    ewbReq.data = encdec. EncryptBySymmetricKey
(Convert.ToBase64String(System.Text.Encoding.UTF8.GetBytes(jsonData)), sek);
    using (var streamWriter = new StreamWriter(request.GetRequestStream()))
    {
        string json = serial1.Serialize(ewbReq);
        streamWriter.Write(json);
        streamWriter.Flush();
        streamWriter.Close();
    }
    WebResponse response = request.GetResponse();
    string result = new StreamReader(response.GetResponseStream()).ReadToEnd();
    serial1 = new JavaScriptSerializer();
```

Step 3: Receive the response. Decrypt and Decode the Base 64 string to plain text

```

ewayapi.Entities.EwayBillApiResponse ewbres =
    serial1.Deserialize<ewayapi.Entities.EwayBillApiResponse>(result);
string data = encdec.DecryptBySymmetricKey(ewbres.data,
    Convert.FromBase64String(sek));
byte[] reqDatabytes = Convert.FromBase64String(data);
string requestData = System.Text.Encoding.UTF8.GetString(reqDatabytes);}
    
```

23.7 Sample code to Reject Eway bill

```

Public void RejectEwayBill()
{
    HttpRequest request =
    (HttpRequest)WebRequest.Create("http://ewaybill2.nic.in/ewaybillapi/v1.02/EwayApi");
    request.Method = "POST";

    /*Optional*/
    request.KeepAlive = true;
    request.AllowAutoRedirect = false;
    request.Accept = "*/*";
    request.ContentType = "application/json";
    request.Headers.Add("client-id", "TESTCLIENTID");
    request.Headers.Add("client-secret", "CLIENTSECRET");
    request.Headers.Add("gstin", "29AAACGIIIII1Z3");
    request.Headers.Add("authtoken", "0aAjBKdo7rcNYJB30g5DS2u8z");
    ewayapi.Entities.EwayBillApiRequest ewbReq = new ewayapi.Entities.EwayBillApiRequest();
    ewbReq.action = "REJEWB";
    JavaScriptSerializer serial1 = new JavaScriptSerializer();
    string jsonData = "{\"ewbNo\":111000609282}";
    ewbReq.data = encdec. EncryptBySymmetricKey
    (Convert.ToBase64String(System.Text.Encoding.UTF8.GetBytes(jsonData)), sek);
    using (var streamWriter = new StreamWriter(request.GetRequestStream()))
    {
        string json = serial1.Serialize(ewbReq);
        streamWriter.Write(json);
        streamWriter.Flush();
        streamWriter.Close();
    }
    WebResponse response = request.GetResponse();
    string result = new StreamReader(response.GetResponseStream()).ReadToEnd();
    serial1 = new JavaScriptSerializer();
    ewayapi.Entities.EwayBillApiResponse ewbres =
    serial1.Deserialize<ewayapi.Entities.EwayBillApiResponse>(result);
    string data = encdec. DecryptBySymmetricKey (ewbres.data,
    Convert.FromBase64String(sek));
    byte[] reqDatabytes = Convert.FromBase64String(data);
    string requestData = System.Text.Encoding.UTF8.GetString(reqDatabytes);}
    }
    
```


23.8 Sample code to Update Transporter

```

Public void RejectEwayBill()
{
    HttpRequest request =
    (HttpRequest)WebRequest.Create("http://ewaybill2.nic.in/ewaybillapi/v1.01/EwayApi");
    request.Method = "POST";

    /*Optional*/
    request.KeepAlive = true;
    request.AllowAutoRedirect = false;
    request.Accept = "*/*";
    request.ContentType = "application/json";
    request.Headers.Add("client-id", "TESTCLIENTID");
    request.Headers.Add("client-secret", "CLIENTSECRET");
    request.Headers.Add("gstin", "29AAACGIIII1Z3");
    request.Headers.Add("authtoken", "0aAjBKdo7rcNYJB30g5DS2u8z");
    wayapi.Entities.EwayBillApiRequest ewbReq = new wayapi.Entities.EwayBillApiRequest();
    ewbReq.action = " UPDATETRANSPORTER ";
    JavaScriptSerializer serial1 = new JavaScriptSerializer();

    // Following is for illustration purpose only , Actual JSOM format from the Sample JSON / Schema may be
    // referred

    string jsonData = "{\"ewbNo\": 171000611199, \"transporterId\": \"05AAAAZ1723G1ZR \"} ";
    ewbReq.data = encdec. EncryptBySymmetricKey
    (Convert.ToBase64String(System.Text.Encoding.UTF8.GetBytes(jsonData)), sek);
    using (var streamWriter = new StreamWriter(request.GetRequestStream()))
    {
        string json = serial1.Serialize(ewbReq);
        streamWriter.Write(json);
        streamWriter.Flush();
        streamWriter.Close();
    }
    WebResponse response = request.GetResponse();
    string result = new StreamReader(response.GetResponseStream()).ReadToEnd();
    serial1 = new JavaScriptSerializer();
    wayapi.Entities.EwayBillApiResponse ewbres =
    serial1.Deserialize<wayapi.Entities.EwayBillApiResponse>(result);
    string data = encdec. DecryptBySymmetricKey (ewbres.data,
    Convert.FromBase64String(sek));
    byte[] reqDataBytes = Convert.FromBase64String(data);
    string requestData = System.Text.Encoding.UTF8.GetString(reqDataBytes);
}
    
```

23.9 Sample Code for Extend Validity of E-way Bill

```

Public void RejectEwayBill()
{
    
```

```

HttpRequest request =
(HttpWebRequest)WebRequest.Create("http://ewaybill2.nic.in/ewaybillapi/v1/EwayApi");
request.Method = "POST";

/*Optional*/
request.KeepAlive = true;
request.AllowAutoRedirect = false;
request.Accept = "*/*";
request.ContentType = "application/json";
request.Headers.Add("client-id", "TESTCLIENTID");
request.Headers.Add("client-secret", "CLIENTSECRET");
request.Headers.Add("gstin", "29AAACGIIIII1Z3");
request.Headers.Add("authtoken", "0aAjBKdo7rcNYJB30g5DS2u8z");
ewayapi.Entities.EwayBillApiRequest ewbReq = new EwayBillApiRequest();
ewbReq.action = " EXTENDVALIDITY ";
JavaScriptSerializer serial1 = new JavaScriptSerializer();

// Following is for illustration purpose only , Actual JSOM format from the Sample JSON / Schema may be
referred

string jsonData = "{\"ewbNo\": 171000611199,\"vehicleNo\":
    \"PQR1234\", \"fromPlace\": \"Bengaluru\", \"fromState\": 29, \"remainingDistance\": 50, \"transDocNo\":
    \"1234\", \"transDocDate\": \"12/04/2018\", \"transMode\": \"1\",
    \"extnRsnCode\": 1, \"extnRemarks\": \"Flood\"}";
ewbReq.data = encdec. EncryptBySymmetricKey
(Convert.ToBase64String(System.Text.Encoding.UTF8.GetBytes(jsonData)), sek);
using (var streamWriter = new StreamWriter(request.GetRequestStream()))
{
    string json = serial1.Serialize(ewbReq);
    streamWriter.Write(json);
    streamWriter.Flush();
    streamWriter.Close();
}
WebResponse response = request.GetResponse();
string result = new StreamReader(response.GetResponseStream()).ReadToEnd();
serial1 = new JavaScriptSerializer();
ewayapi.Entities.EwayBillApiResponse ewbres =
serial1.Deserialize<ewayapi.Entities.EwayBillApiResponse>(result);
string data = encdec. DecryptBySymmetricKey (ewbres.data,
Convert.FromBase64String(sek));
byte[] reqDatabytes = Convert.FromBase64String(data);
string requestData = System.Text.Encoding.UTF8.GetString(reqDatabytes);
}
    
```

23.10 Sample code for Regenerate Consolidated E-way Bill

```

Public void RejectEwayBill()
{
HttpRequest request =
(HttpWebRequest)WebRequest.Create("http://ewaybill2.nic.in/ewaybillapi/v1/EwayApi");
request.Method = "POST";
    
```

```

/*Optional*/
request.KeepAlive = true;
request.AllowAutoRedirect = false;
request.Accept = "*/*";
request.ContentType = "application/json";
request.Headers.Add("client-id", "TESTCLIENTID");
request.Headers.Add("client-secret", "CLIENTSECRET");
request.Headers.Add("gstin", "29AAACGIIIII1Z3");
request.Headers.Add("authtoken", "0aAjBKdo7rcNYJB30g5DS2u8z");
ewayapi.Entities.EwayBillApiRequest ewbReq = new ewayapi.Entities.EwayBillApiRequest();
ewbReq.action = " REGENTRIPSHEET ";
JavaScriptSerializer serial1 = new JavaScriptSerializer();

// Following is for illustration purpose only , Actual JSOM format from the Sample JSON / Schema may be
referred

string jsonData = "{\"tripSheetNo\": 7810004903,\"vehicleNo\":
    \"PQR1234\", \"fromPlace\": \"Bengaluru\", \"fromState\": 29, \"transDocNo\": \"1234
    \", \"transDocDate\": \"12/10/2017 \", \"transMode\": \"2\",
    \"reasonCode\": 6, \"reasonRem\": \"Flood\"}";
ewbReq.data = encdec. EncryptBySymmetricKey
(Convert.ToBase64String(System.Text.Encoding.UTF8.GetBytes(jsonData)), sek);
using (var streamWriter = new StreamWriter(request.GetRequestStream()))
{
    string json = serial1.Serialize(ewbReq);
    streamWriter.Write(json);
    streamWriter.Flush();
    streamWriter.Close();
}
WebResponse response = request.GetResponse();
string result = new StreamReader(response.GetResponseStream()).ReadToEnd();
serial1 = new JavaScriptSerializer();
ewayapi.Entities.EwayBillApiResponse ewbres =
serial1.Deserialize<ewayapi.Entities.EwayBillApiResponse>(result);
string data = encdec. DecryptBySymmetricKey (ewbres.data,
Convert.FromBase64String(sek));
byte[] reqDataBytes = Convert.FromBase64String(data);
string requestData = System.Text.Encoding.UTF8.GetString(reqDataBytes);
}
    
```

23.11 Sample code for Get Methods

```

Public void GetEwayBill()
{
    HttpWebRequest request =
    (HttpWebRequest)WebRequest.Create("http://ewaybill2.nic.in/ewaybillapi/v1.02/EwayApi/GetEwayBill?ewbN
    o=191000001846");
    request.Method = "GET";
}
    
```

```

request.KeepAlive = true;
request.AllowAutoRedirect = false;
request.Accept = "*/*";
request.ContentType = "application/json";
request.Headers.Add("client-id", "TESTCLIENTID");
request.Headers.Add("client-secret", "CLIENTSECRET");
request.Headers.Add("gstn", "29AAACGIIIII1Z3");
request.Headers.Add("authtoken", "OaAjbKdo7rcNYJB30g5DS2u8z");
WebResponse response = request.GetResponse();
string result = new StreamReader(response.GetResponseStream()).ReadToEnd();
JavaScriptSerializer serial1 = new JavaScriptSerializer();
ewayapi.Entities.EwayBillApiResponseForGet ewbres =
serial1.Deserialize<ewayapi.Entities.EwayBillApiResponseForGet>(result);
string rek = encdec.DecryptBySymmetricKey (ewbres.rek,
Convert.FromBase64String(sek));
string data = encdec.DecryptBySymmetricKey (ewbres.data,
Convert.FromBase64String(rek));
byte[] reqDatabytes = Convert.FromBase64String(data);
//byte[] reqDatabytes = Convert.FromBase64String(ewbres.data);
string requestData = System.Text.Encoding.UTF8.GetString(reqDatabytes);
//string hmac = encdec.GenerateHMAC(requestData,
Convert.FromBase64String(rek));
string hmac = encdec.GenerateHMAC(data, Convert.FromBase64String(rek));
if (ewbres.hmac == hmac){
    }
}
    
```


24. Sample Code in Java to integrate this API with Tax Payer System

24.1 Asymmetric Encryption (RSA)

The following Java code snippet can be used for encrypting the password and the appkey using the public key given by the E-way bill System. The encryption method used here is RSA.

```
public static String encryptAsymmetricKey(String pubkey, String password) throws
Exception{

    PublicKey publicKeys = convertPubStringToKey(pubkey);
    Cipher cipher = Cipher.getInstance("RSA/ECB/PKCS1PADDING");
    cipher.init(Cipher.ENCRYPT_MODE, publicKeys);
    byte[] encryptedText = cipher.doFinal(password.getBytes());
    String encryptedPassword = Base64.encodeBase64String(encryptedText);
    return encryptedPassword;
}
```

```
private static PublicKey convertPubStringToKey(String publikkey)
{
    PublicKey pubKey = null;
    byte[] publicBytes = Base64.decodeBase64(publikkey);
    X509EncodedKeySpec keySpec = new X509EncodedKeySpec(publicBytes);
    KeyFactory keyFactory;
    try {
        keyFactory = KeyFactory.getInstance("RSA");
        pubKey = keyFactory.generatePublic(keySpec);
    } catch (Exception e)
    {
        e.printStackTrace();
    }
    return pubKey;
}
```

```
public static String encryptAsymmetricKey(String pubkey, byte[] appKey) throws Exception
{
    PublicKey publicKeys = covertPubStringToKey(pubkey);
    Cipher cipher = Cipher.getInstance("RSA/ECB/PKCS1PADDING");
    cipher.init(Cipher.ENCRYPT_MODE, publicKeys);
    byte[] encryptedText = cipher.doFinal(appKey);
    String encryptedAppKey = Base64.encodeBase64String(encryptedText);
    return encryptedAppKey;
}
```

24.2 Asymmetric Decryption (RSA)

24.3 <Asymmetric decryption Java code has to go here> Symmetric Key Encryption using Java

```
private static String encryptBySymmetricKey(String json, String decryptedSek)
{
    byte[] sekByte = Base64.decodeBase64(decryptedSek);
    Key aesKey = new SecretKeySpec(sekByte, "AES");
    try {

        Cipher cipher = Cipher.getInstance("AES/ECB/PKCS5Padding");
        cipher.init(Cipher.ENCRYPT_MODE, aesKey);
        byte[] encryptedjsonbytes = cipher.doFinal(json.getBytes());
        String encryptedJson = Base64.encodeBase64String(encryptedjsonbytes);
        return encryptedJson;

    }
    catch(Exception e) {
        return "Exception "+e;
    }
}
```

24.4 Symmetric Key Decryption using Java

```
public static String decrptyBySyymmetricKey(String encryptedSek, byte[] appKey)
{
    Key aesKey = new SecretKeySpec(appKey, "AES"); // converts bytes(32 byte random generated) to key
    try {
        Cipher cipher = Cipher.getInstance("AES/ECB/PKCS5Padding"); // encryption type = AES with padding PKCS5
        cipher.init(Cipher.DECRYPT_MODE, aesKey); // initiate decryption type with the key
        byte[] encryptedSekBytes = Base64.decodeBase64(encryptedSek); // decode the base64 encryptedSek to bytes
        byte[] decryptedSekBytes = cipher.doFinal(encryptedSekBytes); // decrypt the encryptedSek with the initialized
        cipher containing the key(Results in bytes)
        String decryptedSek = Base64.encodeBase64String(decryptedSekBytes); // convert the decryptedSek(bytes) to Base64
        StriNG

        return decryptedSek; // return results in base64 string
    }catch(Exception e)
    {
        return "Exception; "+e;
    }
}
```

25. Annexure -A : Data Structure Specification –

Annexure –A1 : E-way Bill Generation

Parameter Name	Type	Description	Values	Sample Data	Allowed character
supplyType	Text(1)	Supply whether it is outward/inward.	Refer Code List	0	
subSupplyType	Text(2)	Sub types of Supply	Refer Code List	2	
subSupplyDesc	Text(20)	Su Supply Description if selected "Others" in subSupplyType			
docType	Text(3)	Document Type	Refer Code List	CHL	
docNo	Text(16)	Document No		12	Alphanumeric, -, /
docDate	Text	Document Date	dd/mm/yy yy format	12/09/2017	
fromGstin	Text(15)	GSTIN of the Consignor		29AAAAA0300 L1Z8	Alphanumeric
fromTrdName	Text(100)	LegalName of consignor		ABHYUDHYA CO OP BANK	Alphanumeric
fromAddr1	Text(120)	Address of consignor - Line 1		Shambhai Fortune	Alphanumeric
fromAddr2	Text(120)	Address of consignor - Line 2		Behind KSRTC Bus Stop	Alphanumeric
fromPlace	Text(50)	Place of consignor		Bengaluru	Alphabetic
fromPincode	Number(6)	Pincode of consignor		576101	Number
fromStateCode	Number(2)	State of consignor	Refer Code List	29	
actFromStateCode	Number(2)	State of Supply	Refer Code List	4	
toGstin	Text(15)	GSTIN of consignee		29ACGPI2251 K1ZJ	Alphanumeric
toTrdname	Text(100)	Legalname of consignee		INDER CHHAJER	Alphanumeric
toAddr1	Text(120)	Address of consignee - Line 1		PRIYADARSHANI LAYOUT	Alphanumeric
toAddr2	Text(120)	Address of consignee- Line 2		MUDALAYAPALYA	Alphanumeric
toPlace	Text(50)	Place of consignee		Bengaluru	Alphabetic
toPincode	Number(6)	Pincode of the consignee		560072	Number
toStateCode	Number(2)	State of Supply	Refer Code List	4	
actToStateCode	Number(2)	State of Supply	Refer Code List	4	

totalValue	Decimal(18,2)	Total Amount/ Taxable Amount		2000	
totInvValue	Decimal(18,2)	Total Invoice Value			
cgstValue	Decimal(18,2)	CGST Amount		0	
sgstValue	Decimal(18,2)	SGST Amount		0	
igstValue	Decimal(18,2)	IGST Amount		240	
cessValue	Decimal(18,2)	CESS Amount		20	
transMode	Number(1)	Mode of transportation	Refer Code List	1	
vehicleType	Char(1)	Type of Vehcile	R or O	R	
transDistance	Number(5)	Distance of transportation		10	Max Value = 4000
transporterId	Text(15)	Transporter Id		29BQSPA3829 E1Z0	
transporterName	Text(100)	Transporter Name		TAPURI	
transDocNo	Text(15)	Transporter Doc No		11	If it is more than 15 chars, last 15 chars may be entered
transDocDate	Text	Transporter Doc Date	dd/mm/yy yy format	13/09/2017	
vehicleNo	Text(15)	Vehicle No.	PI refer Code List	KA12BL4567	Vehicle No. to begin with state code as given in the Code list
productName	Text(100)	Name of the Product		Steel	
productDesc	Text(100)	Description of the Product		5mm Rod	
hsnCode	Number(8)	HSN Code of the Product		10101	
quantity	Decimal(8,2)	Quantity of Product in Numbers		QTS	
qtyUnit	Text(3)	Unit of the Product, like Liter,Kg etc	Refer Code List	200	
taxableAmount	Decimal(18,2)	Total Amount/ Taxable Amount		100000	
cgstRate	Decimal(6,3)	CGST Rate		9	
sgstRate	Decimal(6,3)	SGST Rate		9	
igstRate	Decimal(6,3)	IGST Rate		18	

cessRate	Decimal(6,3)	CESS Rate		0	
cessAvdol	Decimal(6,3)				

Annexure -A2 : Consolidated E-way bill generation

Parameter Name	Type	Description	Values	Sample Data	Allowed character
vehicleNo	Text(15)	vehicle number		KA12AP1235	Alpha-numeric
fromPlace	Text(50)	from place of consignor		Rajasthan	Alphabetic
transMode	Number(3)	Mode of Transportation	Refer Code list	2	Number
transDocNo	Text(15)	Transporter Document number		12-86/3	Alphanumeric, -, / If it is more than 15 chars, last 15 chars may be entered
transDocDate	Text	Transporter Document Date	dd/mm/yyyy format	12/09/2017	
fromState	Number(2)	State of Consignor	Refer Code list	8	
tripSheetEwbBills		List of eway bills			
ewbNo	Number(12)	E-way bill Number generated		345654565456	Number

Annexure -A3: Update Vehicle number

Parameter Name	Type	Description	Values	Sample Data	Allowed character
ewbNo	Number(12)	E-way bill Generated		131000026768	Numbers
vehicleNo	Text(15)	Vehicle number		KA12TR1234	Alpha-numeric
fromPlace	Text(50)	Place of Consignor		BANGALORE SOUTH	Alpha-numeric
fromState	Number(2)	State of Consignor	Refer Code list	29	Numbers
reasonCode	Number(1)	Reason code for vehicle updation	Refer Code list	2	Numbers
reasonRem	Text(50)	Reason for Vehicle Updation		Vehicle details updated	Alpha-numeric

transDocNo	Text(15)	Transporter Document number		12-86/3	Alphanumeric, -, /
transDocDate	Text	Transporter Document Date	dd/mm/yy yy format	12/09/2017	
transMode	Number(1)	Mode of Transport	Refer Code list	1	Numbers
vehicleType	Char(1)	Type of Vehicle	R or O	R	

Annexure -A4: Cancel E-way bill

Parameter Name	Type	Description	Values	Sample Data	Allowed character
ewbNo	Number(12)	E-way bill Generated		131000026768	Numbers
cancelRsnCode	Number(1)	Reason code for cancelling eway bill	Refer Code list	2	Numbers
cancelRmrk	Text(50)	Reason for - cancelling eway bill		Vehicle details not updated	Alpha-numeric

Annexure A5- Reject e-way bill

Parameter Name	Type	Description	Values	Sample Data	Allowed character
ewbNo	Number(12)	E-way bill Generated		131000026768	Numbers

Annexure A6- Update Transporter

Parameter Name	Type	Description	Values	Sample Data	Allowed character
ewbNo	Number(12)	E-way bill Generated		131000026768	Numbers
transporterId	Text(15)	Transporter Id		29BQSPA3829E1Z 0	

Annexure A7- Extend Validity

Parameter Name	Type	Description	Values	Sample Data	Allowed character
ewbNo	Number(12)	E-way bill number		131000026768	Numbers
vehicleNo	Text(15)	Vehicle number		KA12TR1234	Alpha-numeric
fromPlace	Text(50)	Current place		BANGALORE SOUTH	Alpha-numeric
fromState	Number(2)	Current State	Refer	29	Numbers

			Code list		
remainingDistance	Number(5)	Distance remaining to reach destination		10	Max Value = 4000
transDocNo	Text(15)	Transporter Document number		12-86/3	Alphanumeric, -, / If it is more than 15 chars, last 15 chars may be entered
transDocDate	Text	Transporter Document Date	dd/mm/yyyy format	12/09/2017	
transMode	Number(1)	Mode of Transport	Refer Code list	1	Numbers
extnRsnCode	Number(1)	Reason code for extension of away bill	Refer Code list	2	Numbers
extnRemarks	Text(50)	Reason for – Extension of away bill		Vehicle details not updated	Alpha-numeric

Annexure A8- Regeneration of Consolidated e-way bill

Parameter Name	Type	Description	Values	Sample Data	Allowed character
tripSheetNo	Number(10)	Consolidated E-Way Bill No (TripSheet No)		1310006768	Numbers
vehicleNo	Text(15)	Vehicle number		KA12TR1234	Alpha-numeric
fromPlace	Text(50)	Current place		BANGALORE SOUTH	Alpha-numeric
fromState	Number(2)	Current State	Refer Code list	29	Numbers
reasonCode	Number(2)	Reason code for Regeneration of Consolidated E-Way Bill	Refer Code list	2	Numbers
reasonRem	Text(50)	Reason for Regeneration of Consolidated E-Way Bill		Vehicle details updated	Alpha-numeric
transDocNo	Text(15)	Transporter Document number		12-86/3	Alphanumeric, -, / If it is more than 15 chars, last 15 chars may be entered
transDocDate	Text	Transporter Document Date	dd/mm/yyyy	12/09/2017	

			format		
transMode	Number(1)	Mode of Transport	Refer Code list	1	Numbers

26. Annexure B – Master codes List

Master Name	Code	Description
Supply Type	I	Inward
	O	Outward
Sub Supply Type	1	Supply
	2	Import
	3	Export
	4	Job Work
	5	For Own Use
	6	Job work Returns
	7	Sales Return
	8	Others
	9	SKD/CKD
	10	Line Sales
	11	Recipient Not Known
	12	Exhibition or Fairs
Document Type	INV	Tax Invoice
	BIL	Bill of Supply
	BOE	Bill of Entry
	CHL	Delivery Challan
	CNT	Credit Note
	OTH	Others
Transportation Mode	1	Road
	2	Rail
	3	Air
	4	Ship
Unit	BAG	BAGS
	BAL	BALE
	BDL	BUNDLES
	BKL	BUCKLES
	BOU	BILLION OF UNITS
	BOX	BOX
	BTL	BOTTLES
	BUN	BUNCHES

	CAN	CANS
	CBM	CUBIC METERS
	CCM	CUBIC CENTIMETERS
	CMS	CENTI METERS
	CTN	CARTONS
	DOZ	DOZENS
	DRM	DRUMS
	GGK	GREAT GROSS
	GMS	GRAMMES
	GRS	GROSS
	GYD	GROSS YARDS
	KGS	KILOGRAMS
	KLR	KILOLITRE
	KME	KILOMETRE
	MLT	MILILITRE
	MTS	METRIC TON
	NOS	NUMBERS
	OTH	OTHERS
	PAC	PACKS
	PCS	PIECES
	PRS	PAIRS
	QTL	QUINTAL
	ROL	ROLLS
	SET	SETS
	SQF	SQUARE FEET
	SQM	SQUARE METERS
	SQY	SQUARE YARDS
	TBS	TABLETS
	TGM	TEN GROSS
	THD	THOUSANDS
	TON	TONNES
	TUB	TUBES
	UGS	US GALLONS
	UNT	UNITS
	YDS	YARDS
State Code		

	1	JAMMU AND KASHMIR
	2	HIMACHAL PRADESH
	3	PUNJAB
	4	CHANDIGARH
	5	UTTARAKHAND
	6	HARYANA
	7	DELHI
	8	RAJASTHAN
	9	UTTAR PRADESH
	10	BIHAR
	11	SIKKIM
	12	ARUNACHAL PRADESH
	13	NAGALAND
	14	MANIPUR
	15	MIZORAM
	16	TRIPURA
	17	MEGHALAYA
	18	ASSAM
	19	WEST BENGAL
	20	JHARKHAND
	21	ORISSA
	22	CHHATTISGARH
	23	MADHYA PRADESH
	24	GUJARAT
	25	DAMAN AND DIU
	26	DADAR AND NAGAR HAVELI
	27	MAHARASTRA
	37	ANDHRA PRADESH
	29	KARNATAKA
	30	GOA
	31	LAKSHADWEEP
	32	KERALA
	33	TAMIL NADU
	34	PONDICHERRY
	35	ANDAMAN AND NICOBAR
	36	TELANGANA
	97	OTHER TERRITORY
	99	OTHER COUNTRY
Reason codes for Vehicle Update and Regeneration of Consolidated E Way Bill	1	Due to Break Down

	2	Due to Transshipment
	3	Others (Pls. Specify)
	4	First Time
Mode of generation code	API	Application Programming Interface
	Exc	Bulk Upload
	SMS	SMS Facility
	APP	Mobile APP
	WEB	Web based system
Valid Formats of Vehicle Numbers		AB121234 (First 2 char are State Code)
		AB12A1234 (First 2 char are State Code)
		AB12AB1234 (First 2 char are State Code)
		ABC1234
		AB123A1234 (First 2 char are State Code)
		DFXXXXXX (Defence Vehicle)
		TRXXXXXXXXXXXX (Temp RC) At least 7 characters
		BPXXXXXXXXXXXX (Bhutan Vehicle) At least 7 characters
		NPXXXXXXXXXXXX (Nepal Vehicle) At least 7 characters
E-way Bill Status	ACT	Active
	CNL	Cancelled
Cancellation -Reason Codes	1	Duplicate
	2	Order Cancelled
	3	Data Entry mistake
	4	Others
Reasons for extension of validity	1	Natural Calamity
	2	Law and Order Situation
	4	Transshipment

	5	Accident
	99	Other

27. Annexure C – API Error codes List

Error Code	Desc
100	Invalid Json
101	Invalid Username
102	Invalid Password
103	Invalid Client -Id
104	Invalid Client -Id
105	Invalid Token
106	Token Expired
107	Authentication failed. Pls. inform the helpdesk
108	Invalid login credentials.
109	Decryption of data failed
110	Invalid Client-ID/Client-Secret
111	GSTIN is not registerd to this GSP
201	Invalid Supply Type
202	Invalid Sub-supply Type
203	Sub-transaction type does not belongs to transaction type
204	Invalid Document type
205	Document type does not match with transaction & Sub trans type
206	Invaild Invoice Number
207	Invalid Invoice Date
208	Invalid Supplier GSTIN
209	Blank Supplier Address
210	Invalid or Blank Supplier PIN Code
211	Invalid or Blank Supplier state Code
212	Invalid Consignee GSTIN
213	Invalid Consignee Address
214	Invalid Consignee PIN Code
215	Invalid Consignee State Code
216	Invalid HSN Code
217	Invalid UQC Code
218	Invalid Tax Rate for Intra State Transaction
219	Invalid Tax Rate for Inter State Transaction
220	Invalid Trans mode
221	Invalid Approximate Distance
222	Invalid Transporter Id
223	Invalid Transaction Document Number
224	Invalid Transaction Date
225	Invalid Vehicle Number Format

226	Both Transaction and Vehicle Number Blank
227	User Gstin cannot be blank
228	User id cannot be blank
229	Supplier name is required
230	Supplier place is required
231	Consignee name is required
232	Consignee place is required
233	Eway bill does not contains any items
234	Total amount/Taxable amout is mandatory
235	Tax rates for Intra state transaction is blank
236	Tax rates for Inter state transaction is blank
237	Invalid client -Id/client-secret
238	Invalid auth token
239	Invalid action
240	Could not generate away bill, pls contact helpdesk
278	User Gstin does not match with Transporter Id
280	Status is not ACTIVE
281	Eway Bill is already expired hence update transporter is not allowed.
301	Invalid away bill number
302	Invalid transporter mode
303	Vehicle number is required
304	Invalid vehicle format
305	Place from is required
306	Invalid from state
307	Invalid reason
308	Invalid remarks
309	Could not update vehicle details, pl contact helpdesk
311	Validity period lapsed, you cannot update vehicle details
312	This away bill is either not generated by you or cancelled
315	Validity period lapsed, you cannot cancel this away bill
316	Eway bill is already verified, you cannot cancel it
317	Could not cancel away bill, please contact helpdesk
320	Invalid state to
321	Invalid place to
322	Could not generate consolidated away bill
325	Could not retrieve data
326	Could not retrieve GSTIN details for the given GSTIN number
327	Could not retrieve data from hsn
328	Could not retrieve transporter details from gstin
329	Could not retrieve States List
330	Could not retrieve UQC list

331	Could not retrieve Error code
334	Could not retrieve user details by userid
336	Could not retrieve transporter data by gstin
337	Could not retrieve HSN details for the given HSN number
350	Could not generate consolidated away bill
351	Invalid state code
352	Invalid rfid date
353	Invalid location code
354	Invalid rfid number
355	Invalid Vehicle Number Format
356	Invalid wt on bridge
357	Could not retrieve away bill details, pl. contact helpdesk
358	GSTIN passed in request header is not matching with the user gstin mentioned in payload JSON
359	User GSTIN should match to GSTIN(from) for outward transactions
360	User GSTIN should match to GSTIN(to) for inward transactions
361	Invalid Vehicle Type
362	Transporter document date cannot be earlier than the invoice date
363	E-way bill is not enabled for intra state movement for you state
364	Error in verifying away bill
365	Error in verifying consolidated away bill
366	You will not get the awaybills generated today, however you can access the awaybills of yester days
367	Could not retrieve data for officer login
368	Could not update transporter
369	GSTIN/Transin passed in request header should match with the transported Id mentioned in payload JSON
370	GSTIN/Transin passed in request header should not be the same as supplier(fromGSTIN) or recipient(toGSTIN)
371	Invalid or Blank Supplier Ship-to State Code
372	Invalid or Blank Consignee Ship-to State Code
373	The Supplier ship-from state code should be Other Country for Sub Supply Type- Export
374	The Consignee pin code should be 999999 for Sub Supply Type- Export
375	The Supplier ship-to state code should be Other Country for Sub Supply Type- Import
376	The Supplier pin code should be 999999 for Sub Supply Type- Import
377	Sub Supply Type is mentioned as Others, the description for that is mandatory
378	The supplier or consignee belong to SEZ, Inter state tax rates are applicable here
379	Eway Bill can not be extended.. Already Cancelled
380	Eway Bill Can not be Extended. Not in Active State
381	There is No PART-B/Vehicle Entry.. So Please Update Vehicle Information..
382	You Cannot Extend as EWB can be Extended only 8 hour before or after w.r.t

	Validity of EWB..!!
383	Error While Extending..Please Contact Helpdesk.
384	You are not current transporter or Generator of the ewayBill, with no transporter details.
385	For Rail/Ship/Air transDocNo and transDocDate is mandatory
386	Reason Code, Remarks is mandatory.
387	No Record Found for Entered consolidated eWay bill.
388	Exception in regeneration of consolidated eWayBill!!Please Contact helpdesk
389	Remaining Distance Required
390	Remaining Distance Can not be greater than Actual Distance.
391	No eway bill of specified tripsheet, neither ACTIVE nor not Valid.
392	Tripsheet is already cancelled, Hence Reperation is not possible
393	Invalid GSTIN
394	For other than Road Transport, TransDoc number is required
395	Eway Bill Number should be numeric only
396	Either Eway Bill Number Or Consolidated Eway Bill Number is required for Verification

28. Annexure D - JSON Schema

D.1.For Generate Ewaybill

```

{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "properties": {
    "supplyType": {
      "type": "string",
      "maxLength": 1,
      "minLength": 1,
      "enum": [ "O","I" ],
      "description": "Supply Type"
    },
    "subSupplyType": {
      "type": "string",
      "description": "Sub Supply Type"
    },
    "subSupplyDesc": {
      "type": "string",
      "maxLength": 20,
      "description": "Other Sub Supply Description"
    },
    "docType": {
      "type": "string",
      "enum": [ "INV", "CHL", "BIL", "BOE", "CNT", "OTH" ],
      "description": "Document Type"
    },
    "docNo": {
      "type": "string",
      "maxLength": 16,
      "description": "Document Number (Alphanumeric with / and - are
allowed)"
    },
    "docDate": {
      "type": "string",
      "pattern": "[0-3][0-9]/[0-1][0-9]/[2][0][1-2][0-9]",
      "description": "Document Date"
    },
    "fromGstin": {
      "type": "string",
      "maxLength": 15,
      "minLength": 15,
      "pattern": "[0-9]{2}[0-9|A-Z]{13}",
      "description": "From GSTIN (Supplier or Consignor)"
    },
    "fromTrdName": {
      "type": "string",
      "maxLength": 100,
      "description": "From Trade Name (Consignor Trade name)"
    },
    "fromAddr1": {

```



```

        "type": "string",
        "maxLength": 120,
        "description": "From Address Line 1 (Valid Special Chars #,-,/)"
    },
    "fromAddr2": {
        "type": "string",
        "maxLength": 120,
        "description": "From Address Line 2(Valid Special Chars # , - ,/)"
    },
    "fromPlace": {
        "type": "string",
        "maxLength": 50,
        "description": "From Place"
    },
    "actFromStateCode": {
        "type": "integer",
        "maximum": 99,
        "description": "Actual From State Code"
    },
    "fromPincode": {
        "type": "integer",
        "maximum": 999999,
        "minimum": 100000,
        "description": "From Pincode"
    },
    "fromStateCode": {
        "type": "integer",
        "maximum": 99,
        "description": "From State Code"
    },
    "toGstin": {
        "type": "string",
        "maxLength": 15,
        "minLength": 15,
        "pattern": "[0-9]{2}[0-9|A-Z]{13}",
        "description": "To GSTIN (Consignee or Recipient)"
    },
    "toTrdName": {
        "type": "string",
        "maxLength": 100,
        "description": "To Trade Name (Consignee Trade name or Recipient Trade
name)"
    },
    "toAddr1": {
        "type": "string",
        "maxLength": 120,
        "description": "To Address Line 1 (Valid Special Chars #,-,/)"
    },
    "toAddr2": {
        "type": "string",
        "maxLength": 120,
        "description": "To Address Line 2 (Valid Special Chars #,-,/)"
    },
    "toPlace": {
        "type": "string",
        "maxLength": 50,
        "description": "To Place"
    }

```

```

    },
    "toPincode": {
      "type": "integer",
      "description": "To Pincode"
    },
    },
    "actToStateCode": {
      "type": "integer",
      "maximum": 99,
      "description": "Actual To State Code"
    },
    },
    "toStateCode": {
      "type": "integer",
      "maximum": 99,
      "description": "To State Code"
    },
    },
    "totalValue": {
      "type": "number",
      "multipleOf": 0.01,
      "description": " Taxable value "
    },
    },
    "cgstValue": {
      "type": "number",
      "multipleOf": 0.01,
      "description": "CGST value"
    },
    },
    "sgstValue": {
      "type": "number",
      "multipleOf": 0.01,
      "description": "SGST value"
    },
    },
    "igstValue": {
      "type": "number",
      "multipleOf": 0.01,
      "description": "IGST value"
    },
    },
    "cessValue": {
      "type": "number",
      "multipleOf": 0.01,
      "description": "Cess value"
    },
    },
    "totInvValue": {
      "type": "number",
      "multipleOf": 0.01,
      "description": "Total Invoice Value (Including taxable value, tax
value,and other charges if any)"
    },
    },
    "transMode": {
      "type": "string",
      "enum": ["1","2","3","4"],
      "description": "Mode of transport (Road-1, Rail-2, Air-3, Ship-4) "
    },
    },
    "transDistance": {
      "type": "string",
      "description": "Distance (<4000 km) "
    },
    },
    "transporterName": {
      "type": "string",

```

```

        "maxLength": 100,
        "description": "Name of the transporter"
    },
    "transporterId": {
        "type": "string",
        "pattern": "[0-9]{2}[0-9|A-Z]{13}",
        "description": "15 Digit Transporter GSTIN/TRANSIN"
    },
    "transDocNo": {
        "type": "string",
        "maxLength": 15,
        "description": "Transport Document Number (Alphanumeric with / and - are
allowed)"
    },
    "transDocDate": {
        "type": "string",
        "description": "Transport Document Date"
    },
    "vehicleNo": {
        "type": "string",
        "minLength": 7,
        "maxLength": 15,
        "description": "Vehicle Number"
    },
    "vehicleType": {
        "type": "string",
        "description": "Vehicle Type"
    },
    "itemList": {
        "type": "array",
        "items": [
            {
                "type": "object",
                "properties": {
                    "productName": {
                        "type": "string",
                        "maxLength": 100,
                        "description": "Product / Item Name"
                    },
                    "productDesc": {
                        "type": "string",
                        "maxLength": 100,
                        "description": "Product / Item description"
                    },
                    "hsnCode": {
                        "type": "number",
                        "description": "HSN Code"
                    },
                    "quantity": {
                        "type": "number",
                        "description": "Quantity"
                    },
                    "qtyUnit": {
                        "type": "string",
                        "maxLength": 3,
                        "minLength": 3,
                        "description": "Unit"
                    }
                }
            }
        ]
    }

```

```

    "taxableAmount": {
      "type": "number",
      "multipleOf": 0.01,
      "description": "Taxable Amount"
    },
    "sgstRate": {
      "type": "number",
      "multipleOf": 0.001,
      "description": "SGST Rate of Tax"
    },
    "cgstRate": {
      "type": "number",
      "multipleOf": 0.001,
      "description": "CGST Rate of Tax"
    },
    "igstRate": {
      "type": "number",
      "multipleOf": 0.001,
      "description": "IGST Rate of Tax"
    },
    "cessRate": {
      "type": "number",
      "multipleOf": 0.001,
      "description": "Cess Rate of Tax"
    },
    "cessAdvol": {
      "type": "number",
      "description": "Cess Non-Advolerum"
    }
  },
  "required": [
    "hsnCode",
    "taxableAmount"
  ]
}
]
}
},
"required": [
  "supplyType",
  "subSupplyType",
  "docType",
  "docNo",
  "docDate",
  "fromGstin",
  "fromPincode",
  "fromStateCode",
  "toGstin",
  "toPincode",
  "toStateCode",
  "transDistance",
  "itemList",
  "actToStateCode",
  "actFromStateCode"
]
}

```

D.2 Vehicle Updation

```

{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "properties": {
    "ewbNo": {
      "type": "number",
      "description": "Ewaybill Number"
    },
    "vehicleNo": {
      "type": "string",
      "minLength": 7,
      "maxLength": 15,
      "description": "Vehicle Number"
    },
    "fromPlace": {
      "type": "string",
      "maxLength": 50,
      "description": "From Place"
    },
    "fromState": {
      "type": "integer",
      "maximum": 99,
      "description": "From State"
    },
    "reasonCode": {
      "type": "string",
      "maxLength": 1,
      "minLength": 1,
      "description": "Reason Code"
    },
    "reasonRem": {
      "type": "string",
      "maxLength": 50,
      "description": "Remarks"
    },
    "transDocNo": {
      "type": "string",
      "maxLength": 15,
      "description": "Transport Document Number"
    },
    "transDocDate": {
      "type": "string",
      "pattern": "[0-3][0-9]/[0-1][0-9]/[2][0][1-2][0-9]",
      "description": "Transport Document Date"
    },
    "transMode": {
      "type": "string",
      "description": "Transport Mode"
    },
    "vehicleType": {
      "type": "string",
  
```

```
"description": "Vehicle Type"
}
}, "required": [
"fromPlace",
"fromState",
"reasonCode",
"reasonRem",
"transMode"
]
}
```

D.3 Cancellation

```
{
"$schema": "http://json-schema.org/draft-04/schema#",
"type": "object",
"properties": {
  "ewbNo": {
    "type": "number",
    "description": "EwayBill Number"
  },
  "cancelRsnCode": {
    "type": "number",
    "description": "Reason for cancellation"
  },
  "cancelRmrk": {
    "type": "string",
    "description": "Remarks"
  }
},
"required": [
  "ewbNo",
  "cancelRsnCode"
]
}
```

D.4 Consolidated awaybill

```
=====
{
"$schema": "http://json-schema.org/draft-04/schema#",
"type": "object",
"properties": {
  "fromPlace": {
    "type": "string",
    "maxLength": 50,
    "description": "From Place"
  },
  "fromState": {
    "type": "number",
    "description": "From State"
  }
}
```

```

    },
    "vehicleNo": {
      "type": "string",
      "minLength": 7,
      "maxLength": 15,
      "description": "Vehicle Number"
    },
    "transMode": {
      "type": "string",
      "enum": [
        "1",
        "2",
        "3",
        "4"
      ],
      "description": "Transport Mode (Road-1,Rail-2,Air-3,Ship-4)"
    },
    "transDocNo": {
      "type": "string",
      "maxLength": 15,
      "description": "Transport Document Number "
    },
    "transDocDate": {
      "type": "string",
      "pattern": "[0-3][0-9]/[0-1][0-9]/[2][0][1-2][0-9]",
      "description": "Transport Document Date "
    },
    "tripSheetEwbBills": {
      "type": "array",
      "items": [
        {
          "type": "object",
          "properties": {
            "ewbNo": {
              "type": "number",
              "description": "Ewaybill Number"
            }
          },
          "required": [
            "ewbNo"
          ]
        }
      ]
    },
    "required": [
      "fromPlace",
      "fromState",
      "transMode",
      "tripSheetEwbBills"
    ]
  }

```

D.5 Reject

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "properties": {
    "ewbNo": {
      "type": "number",
      "description": "EwayBill Number"
    }
  },
  "required": [
    "ewbNo"
  ]
}
```

D.6 Update Transporter

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "properties": {
    "ewbNo": {
      "type": "number",
      "description": "EwayBill Number"
    },
    "transporterId": {
      "type": "string",
      "pattern": "[0-9]{2}[0-9|A-Z]{13}",
      "description": "15 Digit Transporter GSTIN/TRANSIN"
    }
  },
  "required": [
    "ewbNo",
    "transporterId"
  ]
}
```

D.7 Extend Validity

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "properties": {
    "ewbNo": {
      "type": "number",
      "description": "Ewaybill Number"
    },
    "vehicleNo": {
      "type": "string",
      "minLength": 7,
      "maxLength": 15,
      "description": "Vehicle Number"
    },
    "fromPlace": {
      "type": "string",

```



```

        "maxLength": 50,
        "description": "From Place"
    },
    "fromState": {
        "type": "integer",
        "maximum": 99,
        "description": "From State"
    },
    "remainingDistance": {
        "type": "number",
        "description": "Remaining Distance"
    },
    "transDocNo": {
        "type": "string",
        "maxLength": 15,
        "description": "Transport Document Number"
    },
    "transDocDate": {
        "type": "string",
        "pattern": "[0-3][0-9]/[0-1][0-9]/[2][0][1-2][0-9]",
        "description": "Transport Document Date"
    },
    "transMode": {
        "type": "string",
        "description": "Transport Mode"
    },
    "extnRsnCode": {
        "type": "number",
        "description": "Extension Reason Code"
    },
    "extnRemarks": {
        "type": "string",
        "description": "Extension Remarks"
    }
}, "required": [
    "fromPlace",
    "fromState",
    "remainingDistance",
    "TransMode",
    "ewbNo",
    "extnRsnCode",
    "extnRemarks"
]
}
    
```

D.8 Regenerate Consolidated E Way Bill

```

{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "properties": {
        "tripSheetNo": {
            "type": "number",
        }
    }
}
    
```

```

    "description": "TripSheetNo Number"
  },
  "vehicleNo": {
    "type": "string",
    "minLength": 7,
    "maxLength": 15,
    "description": "Vehicle Number"
  },
  "fromPlace": {
    "type": "string",
    "maxLength": 50,
    "description": "From Place"
  },
  "fromState": {
    "type": "integer",
    "maximum": 99,
    "description": "From State"
  },
  "reasonCode": {
    "type": "string",
    "maxLength": 1,
    "minLength": 1,
    "description": "Reason Code"
  },
  "reasonRem": {
    "type": "string",
    "maxLength": 50,
    "description": "Remarks"
  },
  "transDocNo": {
    "type": "string",
    "maxLength": 15,
    "description": "Transport Document Number"
  },
  "transDocDate": {
    "type": "string",
    "pattern": "[0-3][0-9]/[0-1][0-9]/[2][0][1-2][0-9]",
    "description": "Transport Document Date"
  },
  "transMode": {
    "type": "string",
    "description": "Transport Mode"
  }
}, "required": [
  "fromPlace",
  "fromState",
  "reasonCode",
  "reasonRem",
  "transMode",
  "tripSheetNo"
]
}

```