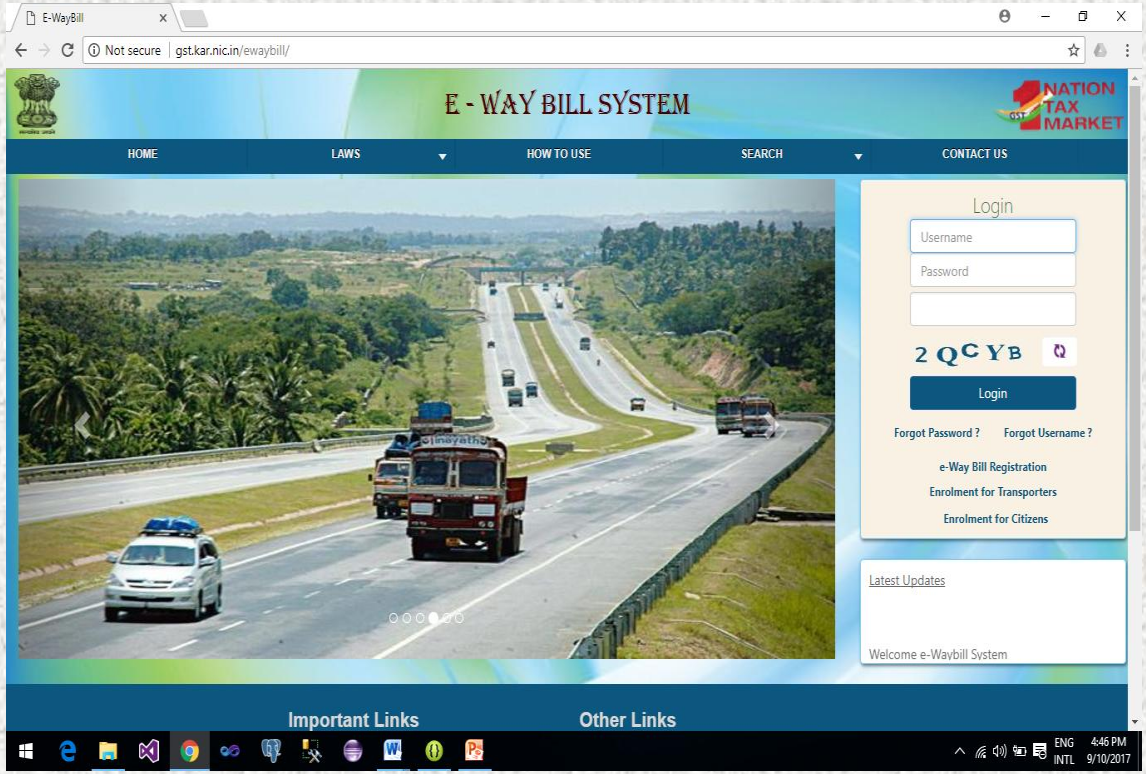
E-Way Bill
API Interface

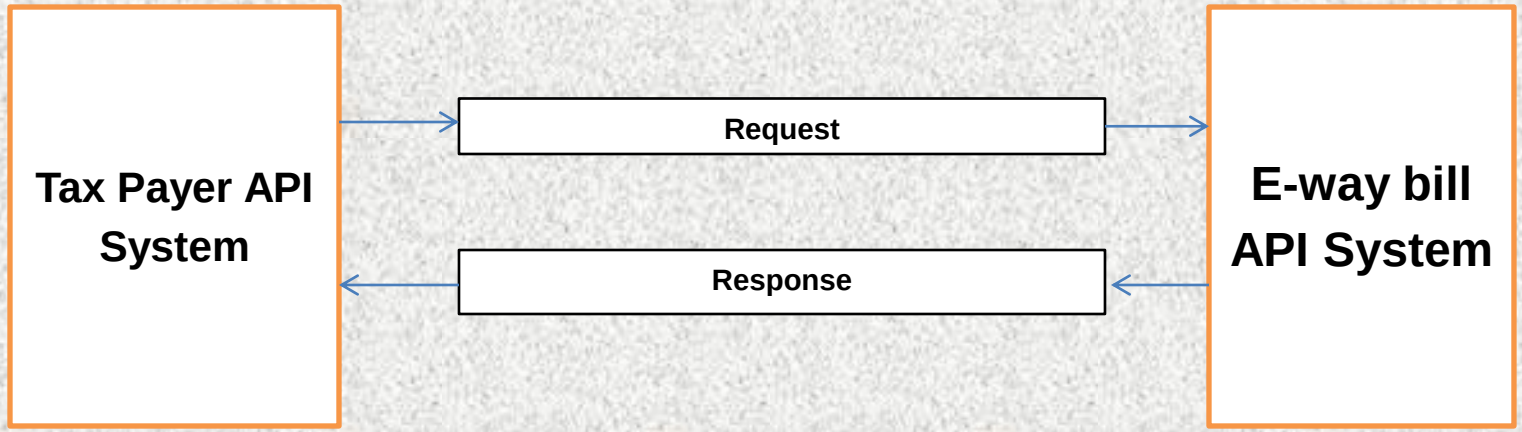
E-WAY BILL SYSTEM API INTERFACE



API based EWB Generation

- This is site-to-site integration of Tax payer system with EWB system
- All the activities of e-way bill can be done on the API system
- This can be used by tax payers who generates more than 200-300 EWB/day
- APIs are RESTful Web service based with JSON format
- The pre-requisite is Tax Payer systems should have SSL and Static IP
- Tax Payer should test on the sandbox before going for production
- Same APIs can be used by Suvidha Provider, if the Tax Payer has authorised him.

API Interface



Benefits of API Interface

- No need of double or duplicate entry – one for Invoice generation and other for E-Way Bill
- Mistakes are avoided
- No need of one more print – Invoice can have EWB No
- EWB No can be updated in Tax payer system with related invoice
- E-way Bill data to GST System for GSTR-1
- Readiness for Form INV - 1 (Invoice Reference Number)
- Same API interface can be used in other states with requesting for those GSTIN

Example - API Interface for Tax Payer system

1. Tax payer enters invoice details in his system
2. Tax payer generated Invoice from his system
3. Tax payer system calls EWB system through API with relevant information
4. EWB system after authentication and verification of information, generates EWB and returns EWB No.
5. Tax payer system gets this EWB No. and writes to his database along with EWB No. on the Invoice Copy and moves the goods.

Example - API Interface for Transporter system

1. On hourly basis , TRANS system pulls all the ewaybills assigned to him from EWB system
2. Before movement of goods, transporter enters vehicle no. for his LR and saves in his system
3. Now, TRANS system calls EWB system with EWB No. and other details requesting to update Part B.
4. EWB system after authentication and verification of details , updates vehicle details and gives ACK.
5. TRANS system updates this ACK and prints the Tripsheet.
   - Now, transporter moves the goods.

List of APIs

No	API Name	API Description	Applicable To
1	Authenticate	Authenticate with the credential to access the APIs	Tax Payer, Transporter, Suvidha Provider
2	Get e-Way Bill	Get the e-Way Bill details based on EWB Number	Tax Payer, Transporter, Suvidha Provider
3	Get Consolidated E-Way Bill	Get the Consolidated e-Way Bill details based on EWB Number	Transporter, Suvidha Provider
4	Get E-Way bill generated by others	Get the list of e-Way Bills generated by other party for my name based on generated date	Tax Payer, Suvidha Provider
5	Get assigned E-Way Bills of my state	Get the list of e-Way Bills assigned to me for transportation in my state	Transporter
6	Get assigned E-Way Bill by GSTIN	Get the list of e-Way Bills assigned to me for transportation by particular GSTIN	Transporter
7	Generate E-Way Bill	Generate e-Way Bill	Tax Payer, Transporter, Suvidha Provider
8	Update Vechile Number to E-Way Bill	Update new vehicle number for the e-way Bill	Tax Payer, Transporter, Suvidha Provider
9	Cancel E-Way Bill	Cancel the e-Way Bill	Tax Payer, Transporter, Suvidha Provider

List of APIs

10	Reject E-Way Bill	Reject the e-Way Bill	Tax Payer, Suvidha Provider
11	Generate Consolidate E-Way Bill	Generate Consolidated e-Way Bill	Tax Payer, Transporter, Suvidha Provider
12	Update Vehicle Number for Cons. EWB	Update new vehicle number for the Consolidated e-way Bill	Tax Payer, Transporter, Suvidha Provider
13	Get HSN Master Codes	Get the HSN master codes	Tax Payer, Transporter, Suvidha
14	Get State Master Codes	Get the State master codes	Tax Payer, Transporter, Suvidha
15	Get UQC Master Codes	Get the Unit Quantity master codes	Tax Payer, Transporter, Suvidha
16	Get Error Codes	Get the Error master codes	Tax Payer, Transporter, Suvidha
17	Get New latest version APIs	Get the list of latest API version and release date	Tax Payer, Transporter, Suvidha Provider
18	Get Alerts	Get alerts	Tax Payer, Transporter, Suvidha
19	Get GSTIN details	Get the GST tax payer details	Tax Payer, Transporter, Suvidha
20	Get TRANSIN details	Get the Transporter details	Tax Payer, Transporter, Suvidha