

**GENERATE EWAY BILL BY IRN  
API DOCUMENTATION FOR ERP INTEGRATION**

**Latest version Premium - v1.01 with Amendment 4**



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## URL

UAT	URL
<del>Generate e-Way Bill by IRN</del>	<del><a href="https://uat.logitax.in/TransactionAPI/GenerateEWBEinvoice">https://uat.logitax.in/TransactionAPI/GenerateEWBEinvoice</a></del> (Truncated)
Generate e-Way Bill by IRN	<a href="https://uat-api.logitax.in/einvext/v1/GenerateEWBEinvoice">https://uat-api.logitax.in/einvext/v1/GenerateEWBEinvoice</a>

PRODUCTION	URL
<del>Generate e-Way Bill by IRN</del>	<del><a href="https://app.logitax.in/TransactionAPI/GenerateEWBEinvoice">https://app.logitax.in/TransactionAPI/GenerateEWBEinvoice</a></del> (Truncated)
Generate e-Way Bill by IRN	<a href="https://api.logitax.in/einvext/v1/GenerateEWBEinvoice">https://api.logitax.in/einvext/v1/GenerateEWBEinvoice</a>

## GOVERNMENT API Vs LOGITAX API LIST

Government APIs	Government APIs	Logitax Premium API	Differentiators
Authentication	Yes	Not required	1. Auth Token is managed by Logitax.
Generate IRN	Yes	Yes	1. Handles the inconsistent data types 2. Give IRN details even after IRN generation [Acts like 'Get IRN'] 3. Provide additional information in Response than Government Response.
Cancel IRN	Yes	Yes	1. Give IRN No even though invoice is Inactive i.e., cancelled 2. Government Accept Request for single IRN cancellation, however LogiTax Handles multiple IRN Cancellation in one request [Bulk IRN Cancellation]
Get IRN details	Yes	Yes	1. Will provide same response as of Generate IRN and contains additional information than the



			2. Government Accepts Request for single IRN, LogiTax Handles bulk request for multiple IRNs and returns with response for all IRNs as an Array.
<b>Generate E-way bill by IRN</b>	Yes	Yes	<ol style="list-style-type: none"> <li>1. Handles the inconsistent data types</li> <li>2. Gives EWB Details even after EWB generation.</li> <li>3. Additional details for print [Url to print EWB Prints]</li> <li>4. Government accepts request for single IRN to generate E-Way Bill, LogiTax handles Multiple IRNs in one request and returns with EWB details for all IRNs in response as an array.</li> </ol>
<b>Get GSTIN details</b>	Yes	No	---
<b>Cancel E-way Bill</b>	Yes	Yes	<ol style="list-style-type: none"> <li>1. Gov API only works on sandbox but on Production LogiTax Internally calls Cancel E-Way Bill API from E-Way Bill.</li> <li>2. Government Accept Request for single EWB cancellation, however LogiTax Handles multiple EWB Cancellation in one request [Bulk EWB Cancellation]</li> </ol>
<b>Cancel E-Way Bill and IRN Both</b>	No	Yes	<ol style="list-style-type: none"> <li>1. LogiTax internally splits API into Cancel E-Way Bill and Cancel IRN and give a Consolidated response.</li> <li>2. Logitax Handles bulk Cancellation in One Request.</li> </ol>
<b>Sync GSTIN details from CP</b>	Yes	No	
<b>Get e-way bill details by IRN</b>	Yes	Yes	<ol style="list-style-type: none"> <li>1. Government accepts request for single EWB, Logitax Handles multiple EWB in single Request and returns response as an array with details for all EWB.</li> </ol>
<b>Get IRN details by Doc Number</b>	Yes	Yes	<ol style="list-style-type: none"> <li>1. Provides response same as Generate IRN with additional information the Government.</li> <li>2. Government accepts request for single Document,</li> </ol>

LogiTax Handles bulk/Multiple Document Numbers in one Request and reruns with response as an array.

## GENERATE EWB By IRN API

To access the API, the application should first authenticate using the credentials shared. The API content information is used for authentication and authorization purposes.

The format and details of generating E-Way Bill by IRN API request are depicted in the following table:

IMPORTANT NOTE –

Government has portal - <https://einv-apisandbox.nic.in/version1.03/ewaybill-generation-irn.html#JSONSchema> where API specifications is given which includes JSON fields to be pushed to NIC.

URL	As per URL list
Content-Type	Application/ JSON
Method	Post
Username	As per shared
Password	As per shared

## REQUEST SCHEMA

SR NO.	JSON FIELD NAME	DESCRIPTION	PATTERN	MANDATORY / OPTIONAL	DATA TYPE	FIELD TYPE	SAMPLE DATA	VALIDATION
A1	CLIENTCODE	CLIENTCODE		Mandatory	String ( Max length: 50)	Text	AMEYA	1)Alphanumeric 2)-/
A2	USERCODE	USERCODE		Mandatory	String ( Max length : 50)	Text	LOGIBRICKS	

<b>A3</b>	PASSWORD	PASSWORD		Mandatory	String ( Max length : 50)	Text	Pass@123	1) Your password must be at least 8 characters 2) Your password must contain at least one capital letter 3) Your password must contain at least one digit
<b>B1</b>	IRN	IRN Number generated for the Document		Mandatory	String (MinLength 64, maxlength 64]	Text	"X7b2c6fe8c58bc76b74d592724ba9b6ebf5b88Xa1cXa8fb88727a294c06X9879"	MIN and Max length of this is 64 characters and should exist.
<b>B2</b>	Transid	TransIN/GSTIN	"{([0-9]{2}[0-9A-Z]{13})}"	Optional	String (MinLength 15, maxlength 15]	Text	27ABCDE1234E1D5	{([0-9]{2}[0-9A-Z]{13}) URP GST Validation, Mandatory for Part A Generation
<b>B3</b>	TransName	Name of the transporter	"^[^\\"]*\$"	Optional	String (MinLength 3, maxlength 100]	Text	Ankit Ltd	
<b>B4</b>	TransMode	Mode of transportation.	"^{[1-4]{1}}?\$"	Optional	String (MinLength 1, maxlength 1]	Select only values from Master	2	From Master List, 1/2/3/4 [Mandatory for Part – B Generation]
<b>B5</b>	Distance	Distance between source and destination PIN codes		Mandatory	Number (Minimum: 0, Maximum: 4000]	Number	256	PIN-PIN distance is validated. [ In case of Export SHIP Details Must be filled at the time of IRN generation or ExpShipDtls to be passed in Request]
<b>B6</b>	TransDocNo	Transport Document Number	"^{[a-zA-Z0-9\\-]{1,15}}\$"	Optional	String (Min Length: 1, Max Length: 15)	Text	TS123456	a. If mode of transportation in Ship, Air, Rail, then the transport document number and date should be passed.
<b>B8</b>	TransDocDt	Transport Document Date	"^[0-3][0-9][0-1][0-9][2][0][1-2][0-9]\$"	Optional	String (Min Length: 10, Max Length: 10)	Date	04/03/2020	a. Date format - DD/MM/YYYY b. If mode of transportation in Ship, Air, Rail, then the transport document number and date

								should be passed.
<b>B9</b>	VehNo	Vehicle Number	"^[A-Z a-z 0-9]{4,20}\$"	Optional	String (Min Length: 4, Max Length: 20)	Text	MH19T1258	a. If mode of transportation in 'Road', then the Vehicle number and vehicle type should be passed. b. The Vehicle no. should match with specified format and exist in Vahan database.
<b>B10</b>	VehType	Whether ODC or Regular	"^[O R]{1}\$"	Optional	String (Min Length: 1, Max Length: 1)	Select only values from Master	ODC	a. ODC or Regular b. If mode of transportation in 'Road', then the Vehicle number and vehicle type should be passed.
<b>C</b>	ExpShipDetails	Object		Optional				If these details are passed then Following fields mentioned as mandatory are Mandatory otherwise optional. This Group is Optional and if not required then can be skipped/removed from the Request.
<b>C1</b>	Addr1	Address1 of the entity to whom the supplies are shipped to. (Building/Flat no.,Road/Street etc.)	"^[^\\"]*\$"	Mandatory	String (Min Length: 3, Max Length: 100)	Text	7th block, kuvempu layout	
<b>C2</b>	Addr2	Address 2 of the entity to whom the supplies are shipped to. (Floor no., Name of the premises/building )	"^[^\\"]*\$"	Optional	String (Min Length: 3, Max Length: 100)	Text	kuvempu layout	
<b>C3</b>	Loc	Place (City,Town, Village) entity to whom the supplies are shipped to.	"^[^\\"]*\$"	Mandatory	String (Min Length: 3, Max Length: 100)	Text	Banagalore	
<b>C4</b>	Pin	Pincode		Mandatory	Number (Minimum: 100000,	Number	562160	



					Maximum: 999999)			
<b>C5</b>	Stcd	State Code to which supplies are shipped to. Refer the master	"^(?!0+\$)([0-9]{1,2})\$"	Mandatory	String (Min Length: 3, Max Length: 100)	From Master	29	Refer State Code Master
<b>D</b>	DispDtls	Object		Optional				If these details are passed then Following fields mentioned as mandatory are Mandatory otherwise optional. This Group is Optional and if not required then can be skipped/removed from the request.
<b>D1</b>	Nm	Name of the company from which the goods are dispatched	"^[^\\"]*\$"	Mandatory	String (Min Length: 3, Max Length: 100)	Text	ABC company pvt ltd	
<b>D2</b>	Addr1	Address 1 of the entity from which goods are dispatched. (Building/Flat no.Road/Street etc.)	"^[^\\"]*\$"	Mandatory	String (Min Length: 3, Max Length: 100)	Text	7th block, kuvempu layout	
<b>D3</b>	Addr2	Address 2 of the entity from which goods are dispatched. (Floor no., Name of the premises/building )	"^[^\\"]*\$"	Optional	String (Min Length: 3, Max Length: 100)	Text	kuvempu layout	
<b>D4</b>	Loc	Location	"^[^\\"]*\$"	Mandatory	String (Min Length: 3, Max Length: 100)	Text	Banagalore	
<b>D5</b>	Pin	Pincode		Mandatory	Number (Minimum: 100000, Maximum: 999999)	Number	562160	
<b>D6</b>	Stcd	State Code. Refer the master	"^(?!0+\$)([0-9]{1,2})\$"	Mandatory	String (Min Length: 3, Max Length: 100)	From Master	29	Refer State Code Master

## VALIDATIONS

2. E-waybill can be generated only if E-way Bill related details are passed where distance is mandatory.
3. E-way Bill cannot be generated for IRN having document types of Debit Note and Credit Note and items with only Services.
4. E Way Bill can be generated for IRNs having at least one item with HSN code belonging to goods.
5. If only Transporter Id is provided, then only Part-A is generated. Transport Mode, Vehicle Type, Vehicle No, Transportation document number and date should be null or attributes should not have been passed.
6. If mode of transportation is 'Road', then the Vehicle number and vehicle type should be passed. If mode of transportation is Ship, Air, Rail, then the transport document number and date should be passed. Vehicle type and vehicle number should be null or attributes should not have been passed.
7. The Vehicle no. should match with specified format and exist in Vahan database.
8. E-Waybill will not be generated for IRNs having the Supplier or Recipient GSTIN blocked due to non-filing of Returns.
9. E Way Bill will not be generated if PIN code of either Recipient details or Ship-To details are not entered while generating IRN
10. The distance of transportation is validated against the auto-calculated PIN-PIN distance stored in the system. The allowed distance for transportation should be between +/- 10 % of auto-calculated PIN-PIN distance. If the auto-calculated distance is less than 100 KMs, then The allowed distance for transportation should be between 1 and +10 % of auto-calculated PIN-PIN distance.
11. If the distance of transportation is passed as 0 (zero), then the system will consider it as request made by the tax payer, to consider the auto-calculated PIN-PIN distance for the generation of e-way bill and generate the e-way bill along with IRN. The actual distance is passed in "Info. Message" Column for reference.
12. If the PIN-PIN distance is not available in the system, the passed value of distance will be taken for generation of e-way bill and distance value cannot be more than 4000.
13. The actual distance has to be passed in case the source and destination PIN codes are same and the allowed range of value is from 1 to 100.
14. PIN-PIN distance is validated.
15. In case of export of goods, shipping address should have been passed during generation of IRN.
16. If during generation of IRN for export, the shipping address of India is not passed, then the shipping address of the port may be sent now and get the e-way bill generated.
17. If the dispatching address and/or shipping address have not been passed during generation of IRN, then the respective addresses can be passed here.

## MASTER CODE LIST

User can refer following Master code list given by government which will be validated while generating the details.

## General Master

<https://einv-apisandbox.nic.in/master-codes-list.html>

### JSON for Single EWB

#### Request without ExpShipDtls and DispDtls:

```
{
  "CLIENTCODE": "XXXX",
  "USERCODE": "XXXX",
  "PASSWORD": "XXXX@123",
  "ewbeinvoicelist": [
    {
      "Irn": "9b24aea0e05c5eb5c22d22ec09c68c5b29333e7d6e70fe922b5d6443c339adec",
      "Distance": 0,
      "TransMode": "1",
      "TransId": "27AAAPI3182M002",
      "TransName": "Rivigo Services Private Limited",
      "TransDocDt": "",
      "TransDocNo": "",
      "VehNo": "MH12X3456",
      "VehType": "R"
    }
  ]
}
```

#### Response JSON:

```
[
  {
    "flag": true,
    "message": "EWB Generated Successfully!",
    "Irn": "9b24aea0e05c5eb5c22d22ec09c68c5b29333e7d6e70fe922b5d6443c339adec",
    "EwbNo": "241008796229",
    "EwbDt": "2020-12-29 16:38:00",
    "EwbValidTill": "2020-12-30 23:59:00",
    "pdfUrl": "https://uat.logitax.in/demo/webapi/AsyncPdfDetail?ewb_id_client_code=36872~LOGIBRICKS",
    "detailedpdfUrl": "https://uat.logitax.in/demo/webapi/pdf?ewb_id_client_code=36872~LOGIBRICKS",
    "InfoDtls": [
      {
        "InfCd": "EWBPPD",
        "Desc": "Pin-Pin calc distance: 11KM",
        "cancDesc": null
      }
    ]
  }
],
```

```
"Remarks": null,
"error_log_id": null
}
]
```

### Request with ExpShipDts

```
{
  "CLIENTCODE": "XXXX",
  "USERCODE": "XXXX",
  "PASSWORD": "XXXX@123",
  "ewbeinvoicelist": [
    {
      "Irn": "155cf80134bd0ed968a1965ff2f0375a6d46f1f1a9eeb06c051de67c095d12cb",
      "Distance": 0,
      "TransMode": "1",
      "TransId": "27AAAPI3182M002",
      "TransName": "Rivigo Services Private Limited",
      "TransDocDt": "",
      "TransDocNo": "",
      "VehNo": "MH12X3456",
      "VehType": "R",
      "ExpShipDtls": {
        "Addr1": "7th block, kuvempu layout",
        "Addr2": "kuvempu layout",
        "Loc": "Banagalore",
        "Pin": 562160,
        "Stcd": "29"
      }
    }
  ]
}
```

### Response JSON:

```
[
  {
    "flag": true,
    "message": "EWB Generated Successfully!",
    "Irn": "155cf80134bd0ed968a1965ff2f0375a6d46f1f1a9eeb06c051de67c095d12cb",
    "EwbNo": "231008796239",
    "EwbDt": "2020-12-29 16:46:00",
    "EwbValidTill": "2021-01-05 23:59:00",
    "pdfUrl": "https://uat.logitax.in/demo/webapi/AsyncPdfDetail?ewb_id_client_code=36873~LOGIBRICKS",
    "detailedpdfUrl": "https://uat.logitax.in/demo/webapi/pdf?ewb_id_client_code=36873~LOGIBRICKS",
    "InfoDtls": [
      {
        "InfCd": "EWBPPD",

```

```

        "Desc": "Pin-Pin calc distance: 657KM",
        "cancDesc": null
    }
],
"Remarks": null,
"error_log_id": null
}
]

```

#### Request with DISPDtls:

```

{
  "CLIENTCODE": "XXXX",
  "USERCODE": "XXXX",
  "PASSWORD": "XXXX@123",
  "ewbeinvoicelist": [
    {
      "Irn": "fadb053d939576534187b1e0335ad0369979b04a6289daf0caf82bb5e786623a",
      "Distance": 0,
      "TransMode": "1",
      "TransId": "27AAAPI3182M002",
      "TransName": "Rivigo Services Private Limited",
      "TransDocDt": "",
      "TransDocNo": "",
      "VehNo": "MH12X3456",
      "VehType": "R",
      "DispDtls": {
        "Nm": "ABC company pvt ltd",
        "Addr1": "7th block, kuvempu layout",
        "Addr2": "kuvempu layout",
        "Loc": "Banagalore",
        "Pin": 562160,
        "Stcd": "29"
      }
    }
  ]
}

```

#### Response JSON:

```

[
  {
    "flag": true,
    "message": "EWB Generated Successfully!",
    "Irn": "fadb053d939576534187b1e0335ad0369979b04a6289daf0caf82bb5e786623a",
    "EwbNo": "241008805103",
    "EwbDt": "2021-01-16 12:17:00",
    "EwbValidTill": "2021-01-21 23:59:00",
  }
]

```

```

"pdfUrl": "https://uat.logitax.in/demo/webapi/AsyncPdfDetail?ewb_id_client_code=37091~LOGIBRICKS",
"detailedpdfUrl": "https://uat.logitax.in/demo/webapi/pdf?ewb_id_client_code=37091~LOGIBRICKS",
"InfoDtls": [
  {
    "InfCd": "EWBPPD",
    "Desc": "Pin-Pin calc distance: 914KM",
    "cancDesc": null
  }
],
"Remarks": null,
"error_log_id": null
}
]

```

### Request with ExpShipDtls and DispDtls:

```

{
  "CLIENTCODE": "XXXX",
  "USERCODE": "XXXX",
  "PASSWORD": "XXXX@123",
  "ewbeinvoicelist": [
    {
      "Irn": "2a5e4b2f5717d9aba9259db16ab2a4efd6aee17323d912019d5f3935bb539114",
      "Distance": 100,
      "TransMode": "1",
      "TransId": "27AAAPI3182M002",
      "TransName": "Rivigo Services Private Limited",
      "TransDocDt": "",
      "TransDocNo": "",
      "VehNo": "MH12X3456",
      "VehType": "R",
      "ExpShipDtls": {
        "Addr1": "7th block, kuvempu layout",
        "Addr2": "kuvempu layout",
        "Loc": "Banagalore",
        "Pin": 562160,
        "Stcd": "29"
      },
      "DispDtls": {
        "Nm": "ABC company pvt ltd",
        "Addr1": "7th block, kuvempu layout",
        "Addr2": "kuvempu layout",
        "Loc": "Banagalore",
        "Pin": 562160,
        "Stcd": "29"
      }
    }
  ]
}

```

```
}
]
}
```

### Response JSON:

```
[
{
  "flag": true,
  "message": "EWB Generated Successfully!",
  "Irn": "2a5e4b2f5717d9aba9259db16ab2a4efd6aee17323d912019d5f3935bb539114",
  "EwbNo": "251008805106",
  "EwbDt": "2021-01-16 12:22:00",
  "EwbValidTill": "2021-01-17 23:59:00",
  "pdfUrl": "https://uat.logitax.in/demo/webapi/AsyncPdfDetail?ewb_id_client_code=37092~LOGIBRICKS",
  "detailedpdfUrl": "https://uat.logitax.in/demo/webapi/pdf?ewb_id_client_code=37092~LOGIBRICKS",
  "InfoDtIs": null,
  "Remarks": null,
  "error_log_id": null
}
]
```

### JSON for Multiple EWB

```
{
  "usercode": "XXXX",
  "password": "XXXX",
  "clientcode": "XXXX",
  "ewbeinvoicelist": [
    {
      "Irn": "b0e93a59d35d48e3338c656635063e37f459c5e9b0c3ad54dc731302fbdfa798",
      "Distance": "0",
      "TransMode": "1",
      "TransId": "24AAFCE1715J1ZW",
      "TransName": "Mass Logistics Pvt Ltd",
      "TransDocNo": null,
      "TransDocDt": null,
      "VehNo": "MH05KA3624",
      "VehType": "R"
    },
    {
      "Irn": "b0e93a59d35d48e3338c656635063e37f459c5e9b0c3ad54dc731302fbdfa798",
      "Distance": "0",
      "TransMode": "1",
      "TransId": "24AAFCE1715J1ZW",
      "TransName": "Mass Logistics Pvt Ltd",

```

```

    "TransDocNo": null,
    "TransDocDt": null,
    "VehNo": "MH05KA3624",
    "VehType": "R"
  },
  {
    "Irn": "49a4f6d2f89ef45863ac4005f5d1c719b0bd4bed61097e259aa0d49a4c69a95a",
    "Distance": "0",
    "TransMode": "1",
    "TransId": "24AAFCE1715J1ZW",
    "TransName": "Mass Logistics Pvt Ltd",
    "TransDocNo": null,
    "TransDocDt": null,
    "VehNo": "MH05KA3624",
    "VehType": "R"
  }
]
}

```

Remark- As per government JSON, only single EWB can be created at a time. However, we have handled creation of multiple EWB in a single Json. Hence it has changed from object to an array (list).

As a result, if you have only one EWB to be created even in that case, we request you to send data in array only. .

Response JSON-

```

[
  {
    "flag": true,
    "message": "EWB Generated Successfully!",
    "EwbNo": "621009723792",
    "EwbDt": "2020-12-10 15:19:00",
    "EwbValidTill": "2020-12-14 23:59:00",
    "pdfUrl": "https://uat.logitax.in/demo/webapi/AsyncPdfDetail?ewb_id_client_code=36346~LOGIBRICKS",
    "detailedpdfUrl": "https://uat.logitax.in/demo/webapi/pdf?ewb_id_client_code=36346~LOGIBRICKS",
    "Remarks": null,
    "error_log_id": null
  },
  {
    "flag": false,
    "message": "4002:EwayBill is already generated for this IRN",
    "EwbNo": "621009723792",
    "EwbDt": "2020-12-10 15:19:00.000",
    "EwbValidTill": "2020-12-14 23:59:00.000",
    "pdfUrl": "https://uat.logitax.in/demo/webapi/AsyncPdfDetail?ewb_id_client_code=36346~LOGIBRICKS",
    "detailedpdfUrl": "https://uat.logitax.in/demo/webapi/pdf?ewb_id_client_code=36346~LOGIBRICKS",
    "Remarks": ""
  }
]

```



```

    "error_log_id": "95906"
  },
  {
    "flag": true,
    "message": "EWB Generated Successfully!",
    "EwbNo": "691009723793",
    "EwbDt": "2020-12-10 15:19:00",
    "EwbValidTill": "2020-12-14 23:59:00",
    "pdfUrl": "https://uat.logitax.in/demo/webapi/AsyncPdfDetail?ewb_id_client_code=36347~LOGIBRICKS",
    "detailedpdfUrl": "https://uat.logitax.in/demo/webapi/pdf?ewb_id_client_code=36347~LOGIBRICKS",
    "Remarks": null,
    "error_log_id": null
  }
]

```

## AMENDMENT LIST

Amendment No & Date	What has been changed
Amendment 4 Dated 17 <sup>th</sup> Jul 2024	1. Production and UAT URLs revised
Amendment 3 Dated 16 <sup>th</sup> Jan 2020	1. Amendment Details Added 2. Government API Vs Logitax API Differentiation added.
Amendment 2 Dated 16 <sup>th</sup> Jan 2020	1. Amendment Details Added 2. Changes made in Request Schema [ExpShipDtls, DispDtls] 3. New JSON added as an Example 4. Response Changed – New Field IRN No and Info Details Are added 5. Validation list is updated
Amendment 1 Dated 11 <sup>th</sup> Dec 2020	1. Amendment Details Added. 2. Changes Made in Request and Response a. New Request JSON given as an example with no change in Schema. b. In Response New Parameters pdfUrl. detailedpdfUrl are added. 2. Validation List is Updated.
NA	NA