

## E-Invoice System

(<https://einvoice1.gst.gov.in>)

Welcome to the tax payers of GST to the e-invoice system. As per the GST Council direction, National Informatics Centre (NIC) has built the e-invoice system as per the latest e-invoice (IRN) schema published on the GSTN portal. As per the notification of GST (Notfn. No. 61 dtd: 30th July, 2020), this system has been enabled for tax payers based on specified turnover (as per data available in GST system).

The notified tax payers have to generate the IRN for the supplies/sales. That is, the IRN has to be generated for the documents of Invoices, Debit Notes and Credit Notes for B2B and export transactions. The tax payer has to upload the complete invoice details, prepared manually or through internal ERP/accounting system, as per Form GST-INV-01, and after due validations of the data, the IRP returns the IRN with the signed invoice and QR code back to the tax payer. The QR code has to be printed by the tax payer on the invoice being issued to the buyer. It may be noted that the IRN can be generated by the supplier only and not by buyer or transporter.

There is a facility to cancel the IRN, if active e-way bill is not there. That is, the e-way bill is not generated or the e-way bill generated and later cancelled, then the user is allowed to cancel the IRN.

The tax payer can also see the features like rules, notifications, help, manuals, Audio-Video materials, FAQs, etc. on the e-invoice portal.

By going to the e-invoice portal and selecting 'e-invoice status of Tax Payer' under Search option, on entry of the GSTIN, the system will indicate whether this GSTIN is enabled for the IRN generation.

If your Turnover is exceeding Rs 500 Crores but your GSTIN is not enabled, then you may register voluntarily by clicking on Registration->e-Invoice Enablement. Also, if your Turnover has not crossed Rs 500 Crores but you have been enabled for e-invoicing, then you may send mail to [support.einv.api@gov.in](mailto:support.einv.api@gov.in).

The tax payer can also access the list of registered GSPs (GST Suvidha Providers) and ERPs, who have enrolled to provide the e-invoice services to the tax payers. This option available as 'GST Suvidha Providers (GSP)' and 'ERP' under search option.

One can upload the IRN generated and signed invoice file and get it verified on the portal for the authenticity of the IRN. For this option, select 'Verify Signed Invoice' under Search option.

There is a facility to login to the e-invoice system. Single Sign On system has been used to login to the e-way bill and e-invoice systems. That is, if the tax payer has the username and password created on the e-way bill system, then same can be used to login to this system.

If the tax payer has not registered in the e-way bill system, he can use the registration facility and register for the e-invoice system. Then system enables him automatically for both the e-way bill and e-invoice systems.

Presently, e-Invoice System provides the two modes of IRN generation – Offline and API. The following table provide the different methods involved in IRN generation based on the turnover of the tax payers. The notified tax payers can use these modes for the generation of IRN. The tax payers can also generate the e-way bill along with the IRN in one go or generate IRN and the e-way bill later based on the IRN. On generation of IRN, the system returns the signed invoice in the JSON format with the QR code. Then invoice can be issued to buyer along with QR code. Please refer to the Annexure for the sample copy of the invoice along-with QR code on it.

There is an option in the website to download a Mobile App (for Android and iOS) which may be used to verify the authenticity of the QR code and the contents printed on the Invoice. This app may be used by any taxpayers or tax officers or any external agencies like banks and other financial institutions for verifying the invoice.

The tax payer can also know his/her sister concerns, generating the IRNs and e-way bills using API, after logging into the portal. This helps him to tie up with his/her sister concerns for integration of API mode.

Before integration with the API on production system, the tax payer needs to do the testing of API integration on the sand-box system (<https://einv-apisandbox.nic.in>). In the sandbox system, the notified tax payer can register and understand the process of IRN integration and test the integration with his/her own system. The following procedures explain how to on-board on production system for API integration after completion of testing on sandbox.

The enabled taxpayers can use any of the following methods for IRN generation

- Offline tool - Upload the invoices in standard format and generate the IRN in one go
- API - Through GSPs integration - System-to-system integration using APIs through registered GSPs
- API - Through ERPs integration - System-to-system integration using APIs through registered ERPs
- API – Direct integration - System-to-System integration using API directly from Tax Payers system
- API - Through enabled sister concerned GSTIN - System-to-System integration using API through the sister company of the Tax payers having same PAN. If it has been enabled for API.
- API - Through e-Commerce integration - System-to-system integration using APIs through e-Commerce operators
- E-Way Bill API enabled Tax Payers - System-to-System integration using API for already E-Way Bill enabled Tax Payers

## Detailed Procedures

### 1. Using Offline Tool

- Please go to the <https://einvoice1.gst.gov.in> portal and see the procedure for the preparation of the bulk upload request for IRNs at Help → Tools → Bulk Generation tools.
- Once you have prepared the bulk upload request file with the invoices, please login at the <https://einvoice1.gst.gov.in> portal. If you have registered in the e-way bill portal (<https://ewaybillgst.gov.in>), then you can use the login credentials (username and password) of the e-way bill system to login to the e-invoice portal. If you have not registered in the e-way bill portal, then you can register in the e-invoice portal at option Registration.
- On logging into the e-invoice portal, select the e-invoice option and Bulk IRN option.
- Now, upload your request file and generate the IRNs for your invoices.
- After generation, the system will also provide the mechanism to download the IRN form with all the details.
- In case of any errors, the system shows the errors with the requested invoices. You can correct them and request once again.

### 2. Using GSPs (GST Suvidha Providers)

- Before starting to work on this, you need to test the API integration with the identified GSP in sand-box environment (<https://einv-apisandbox.nic.in/>). After testing, GSP has to submit the test summary report, as per the format provided under 'On Boarding' at sandbox portal, to the email [support.einv.api@gov.in](mailto:support.einv.api@gov.in). After verification of the test summary report, GSP will be provided the production API details.
- Please login at the <https://einvoice1.gst.gov.in> portal. If you have registered in the e-way bill portal (<https://ewaybillgst.gov.in>), then you can use the login credentials (username and password) of the e-way bill system to login to the e-invoice portal. If you have not registered in the e-way bill portal, then you can register in the e-invoice portal at option Registration.
- If you have registered with a GSP for E Way Bill and would like to continue with same GSP, no need to register for GSP again. Same credentials will work for e-Invoice
- If you have not registered for GSP earlier, on logging into the e-invoice portal, select the API registration and select Create API User. Select the GSP being used for generation of IRN and EWB and submit.
- Create API user, by entering username and password and preserve them with you.
- Use these credentials and generate the token and request for the IRN
- You may register with more than 1 GSP for IRN generation.

### 3. Using ERPs (Registered ERP)

- Before starting to work on this, you need to test the API integration with the identified ERP in sand-box environment (<https://einv-apisandbox.nic.in/>). After testing, ERP has to submit the test summary report, as per the format provided under 'On Boarding' at sandbox portal, to the email [support.einv.api@gov.in](mailto:support.einv.api@gov.in). After

verification of the test summary report, ERP will be provided the production API details.

- Please login at the <https://einvoice1.gst.gov.in> portal.

If you have registered in the e-way bill portal (<https://ewaybillgst.gov.in>), then you can use the login credentials (username and password) of the e-way bill system to login to the e-invoice portal.

If you have not registered in the e-way bill portal, then you can register in the e-invoice portal at option Registration.

- Select the API registration and select Create API User. Select the ERP being used for generation of IRN and EWB and submit.
- Create API user, by entering username and password and preserve them with you.
- Use these credentials and generate the token and request for the IRN

#### 4. Using e-Commerce operators

- Before starting to work on this, you need to test the API integration in sand-box environment (<https://einv-apisandbox.nic.in/>). After testing, e-commerce operator payer has to submit the test summary report, as per the format provided under 'On Boarding' at sandbox portal, to the email [support.einv.api@gov.in](mailto:support.einv.api@gov.in). After verification of the test summary report, tax payer will be provided the production API details.

- Please login at the <https://einvoice1.gst.gov.in> portal.

If you have registered in the e-way bill portal (<https://ewaybillgst.gov.in>), then you can use the login credentials (username and password) of the e-way bill system to login to the e-invoice portal.

If you have not registered in the e-way bill portal, then you can register in the e-invoice portal at option Registration.

- Select the option IP Whitelisting under API Registration. Enter the production IPs that need to be whitelisted and submit.
- The network team will scrutinize and whitelist the IP addresses.
- Next, select Create API User and enter your credentials. On registration you will receive Client-Id and Client-Secret.
- If your sister concern (having same PAN) has already registered for API and whitelisted IP, you can use the same Client-Id credentials. You only need to register API User.
- Now you can generate token and request for IRN for any of the supplier GSTIN.

#### 5. Using Direct Integration

- Before starting to work on this, you need to test the API integration in sand-box environment (<https://einv-apisandbox.nic.in/>). After testing, tax payer has to submit the test summary report, as per the format provided under 'On Boarding' at sandbox portal, to the email [support.einv.api@gov.in](mailto:support.einv.api@gov.in). After verification of the test summary report, tax payer will be provided the production API details.

- Please login at the <https://einvoice1.gst.gov.in> portal.

If you have registered in the e-way bill portal (<https://ewaybillgst.gov.in>), then you can use the login credentials (username and password) of the e-way bill system to login to the e-invoice portal.

If you have not registered in the e-way bill portal, then you can register in the e-invoice portal at option Registration.

- If you have already integrated with API under e-Waybill system, then you can use the same API credentials for e-Invoice system
- If not, then select the option IP Whitelisting under API Registration. Enter the production IPs that need to be whitelisted and submit.
- The network team will scrutinize and whitelist the IP addresses.
- Next, select Create API User and enter your credentials. On registration you will receive Client-Id and Client-Secret.
- If your sister concern (having same PAN) has already registered for API and whitelisted IP, you can use the same Client-Id credentials. You only need to register API User.

#### 6. Using API integration with sister concern GSTIN

- Before starting to work on this, you need to test the API integration in sand-box environment (<https://einv-apisandbox.nic.in/>). After testing, tax payer has to submit the test summary report, as per the format provided under 'On Boarding' at sandbox portal, to the email [support.einv.api@gov.in](mailto:support.einv.api@gov.in). After verification of the test summary report, tax payer will be provided the production API details.
- The public IP used by your company and sister concern should be same, when accessing the e-invoice and e-way bill production APIs.
- Please login at the <https://einvoice1.gst.gov.in> portal.  
If you have registered in the e-way bill portal (<https://ewaybillgst.gov.in>), then you can use the login credentials (username and password) of the e-way bill system to login to the e-invoice portal.  
If you have not registered in the e-way bill portal, then you can register in the e-invoice portal at option Registration.
- If you have already integrated with API under e-Waybill system, then you can use the same API credentials for e-Invoice system
- Otherwise, please log into the e-invoice portal, select the API registration and select Create API User. Select the sister concern GSTIN and submit.
- Create API user, by entering username and password and preserve them with you.
- Now, with your API user credentials and client-id credentials of the sister concern, you can connect and generate the IRN and EWB.

#### 7. Using E-way Bill API credentials

- Before starting to work on e-invoice system, you need to test the API integration in sand-box environment (<https://einv-apisandbox.nic.in/>). After testing, tax payer has to submit the test summary report, as per the format provided under 'On Boarding' at sandbox portal, to the email [support.einv.api@gov.in](mailto:support.einv.api@gov.in). After verification of the test summary report, tax payer will be provided the production API details.
- If you have already integrated with API under e-Waybill system, then you can use the same API credentials for e-Invoice system. No other steps need to be followed.
- Use the e-way bill purpose whitelisted IPs to access the e-invoice system.

**[For more details watch these videos](#)**

1	<a href="#">Introduction to e-Invoice System</a>
2	<a href="#">IRN Generation using Bulk Tools</a>

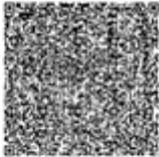
3	<a href="#">Process for API Registration</a>
4	<a href="#">e-Invoice API Sandbox System</a>

### Annexure

### SAMPLE E-INVOICE PRINT

**ABC Private Limited**

**e-Invoice System**




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**1. e-Invoice Details**

IRN : 86d77b40cd9dc34a0d16f586f627bc906  
 7bc906f7c9e43e40213c3f0d54f33c0a89 Ack. No : 15100044593 Ack. Date : 30-06-2020 11:19:00

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**2. Transaction Details**

Category : B2B Document No : DOC-1234/GSTIN  
 Document Type : Invoice Document Date : 30-06-2020

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**3. Party Details**

<p><b>Seller</b>                  GSTIN : 28BC-E1234F1KA                  Sai Lakshmi Industries Pvt Ltd                  Lakshmi Paradise #147                  Kempegowda Road                  560009 KARNATAKA</p>	<p><b>Purchaser</b>                  GSTIN : 08VI-7079-121                  MEHAK GENERAL STORE                  #931, 1st floor, 2nd Cross, shantivana Kodgehalli sahakaranagar                  HOSE                  GANDHINAGAR Place of Supply: HIMACHAL PRADESH                  176001 HIMACHAL PRADESH                  T : 019151 ehs 12   mail.com</p>
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**4. Goods Details**

SINo	Product Description	HSN Code	Quantity	Unit	Unit Price(Rs)	Discount(Rs)	Taxable Amount(Rs)	Tax Rate (GST + Cess + State Cess + Cess Non-Advol)	Other charges(Rs)	Total
1	SALT (INCLUDING TABLE SALT AND DENATURED SALT) AND PURE SODIUM CHLORIDE	25010020	1000	PAC	778.9	100	778800	0.10+3.00 0.00+100	200	803242.8
2	NATURAL GRAPHETE - IN POWDER OR IN FLAKES-GRAPHETE, CRYSTALLINE	25041010	500	BOX	99.99	50	49945	0.25+5.00 0.00+100	200	52867.11
3	OIL-CAKE AND OTHER SOLID RESIDUES, WHETHER OR NOT GROUND OR IN THE FORM OF PELLETS	23069015	250	CAN	450	40	112460	0.50+11.00 0.00+100	200	125692.9

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Tax'ble Amt	CGST Amt	SGST Amt	IGST Amt	CESS Amt	State CESS Amt	Round off Amt	Total Inv. Amt
941205	0	0	1465.96	38531.85	0	0.19	981803.00

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on: 30-06-2020 11:19:00