E-INVOICING

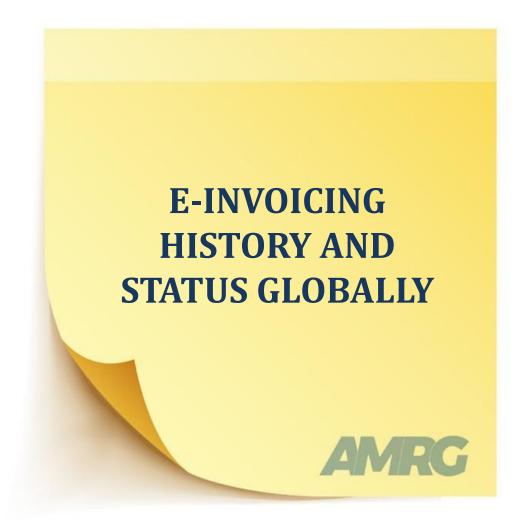




CONTENTS









HISTORY OF E-INVOICING

- The history of the e-invoice is actually the history of EDI Electronic Data Interchange. EDI is the interchange of business information using a standardized format; a process which allows one company to send information to another company electronically.
- Inspired by the idea of a paperless invoices and more reliable transfer of data.

According to Report done by GXS in 2013

73% of respondents used electronic invoicing in 2012, Earlier it was 59% Supplier resistance to e-invoicing has decreased from 46% in 2011 to 26% in 2012

US treasury estimated that implementation einvoicing across the entire world would reduce costs by 50%

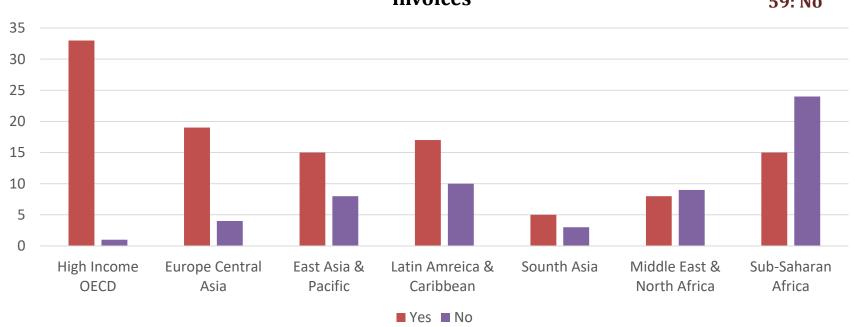
And save \$450 million annually, according to US treasury estimation



E-INVOICING STATUS WORLDWIDE

- More than 100 countries around the world now use e-invoicing. A system that improves physical control, boosts economic savings, cuts down on the use of paper and streamlines procedures.
- The technical and legal requirements for electronic billing are different in each country. Whereas in some, like Mexico it is mandatory in B2B and B2G environments, in others, such as Spain, its use is only compulsory for suppliers to the public administration.

Number of economies in the OECD high-income group are offering e-112: Yes invoices 59: No





CASE STUDY FOR BENEFITS

Items	Paper invoice (pre e-invoice period)	After introduction of e-invoice	Change
Cost of handling of one invoice	7 Euros	0.3 Euros	96% Savings
Number of invoices handled by an employee in a year	6,000 Paper Invoices	90,000 e- invoices	15 times efficiency improvement
Time saving	15 Days for Paper invoices	3 Days for e- invoice	80% Saving of time

52% businesses view the cost reduction as the principal advantage of digital transformation







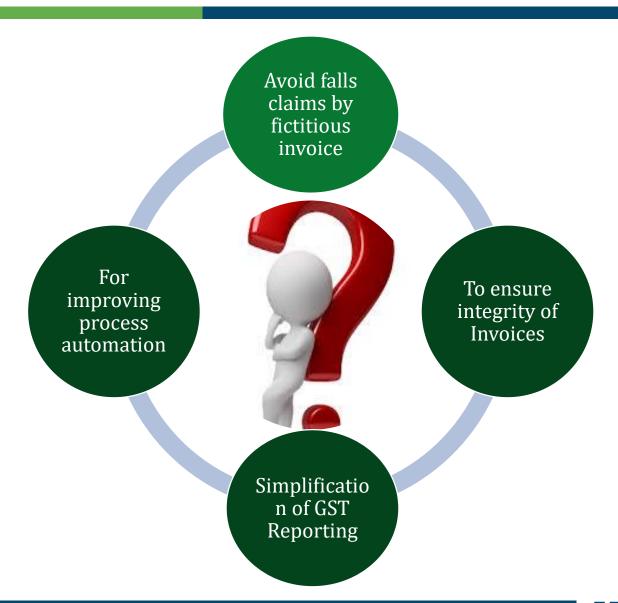
BASIC UNDERSTANDING



What E- Invoicing?

- E-invoicing is a mechanism introduced by the Government to digitize and standarise the process of invoice submission and authentication under the GST law
- E-invoicing is the submission of an already generated standard invoice on a common portal. GST Council, in its 37th meeting, has decided to implement a system of e-invoicing, which will be applicable to specified categories of persons.

WHY E- INVOICING?





OBJECTIVES OF E-INVOICING









Elimination of Manual Data Entry Errors

E-Invoice created on common portal and all the invoices once authenticated will get transferred to the GST and e-way bill portal on real time basis. This auto-population will reduce data entry errors.

Reduction in Compliance Issues

The e-invoice system will help to curb tax evasion and reduce the fraud cases as the tax authorities will have access to data in real time

Standard format

Generation of invoice in a standard format so that invoice generated on one system can be read by another system without human intervention.

Reduction in ITC related issues

Substantial reduction in input credit verification issues as same data will get reported to tax department as well to buyer in his inward supply (purchase) register



CHALLANGES ON E-INVOICING



Partial coverage

 Separate workflow must be in place for delivery challans, bill of supply, job work and other similar transactions.



Mandatory and Optional fields in Schema

• Key point is be noted here the difference between cardinality codes given in form like 0..1, 0..n, 1..1 and 1..n



Implementation Issue

• E-invoicing implementation requires lots of changes in existing ERP that will be a tedious process and taxpayers may face teething problems.

MYTH VS REALITY

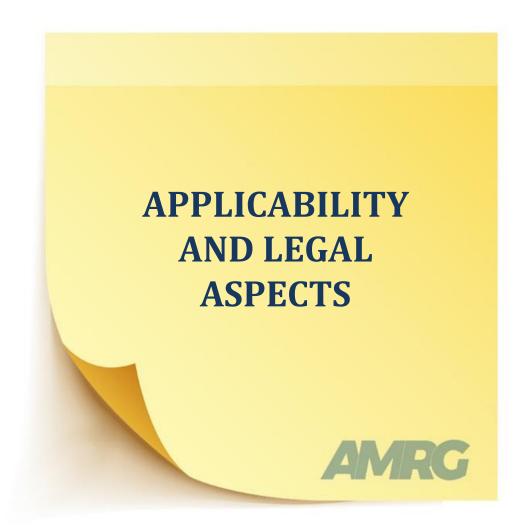
for different businesses

E-Invoicing Reality Myth No, you just need to validate invoice on I would **need** to issue Invoice through **IRP GST** portal. E-invoice would need to be issued for all E-invoice is being made **mandatory** the transactions only for **B2B transactions & Exports**. **8 free Software** have been provided If I am not using a software, I can't issue free of cost by GSTN for taxpayers E-invoice whose aggregate turnover up to 1.5cr The compliance will be reduced as E-invoice will **add** one more GST Part A of E-Way bill will be auto compliance populated The **IRN** generated by the IRP would **be No,** its just reference no. the invoice no. the Invoice number would be self generated Invoice format will be same for all the There **will be separate invoice** formats

6



taxpayers/Businesses



APPLICABILITY AND NON APPLICABILITY



When coming into force?

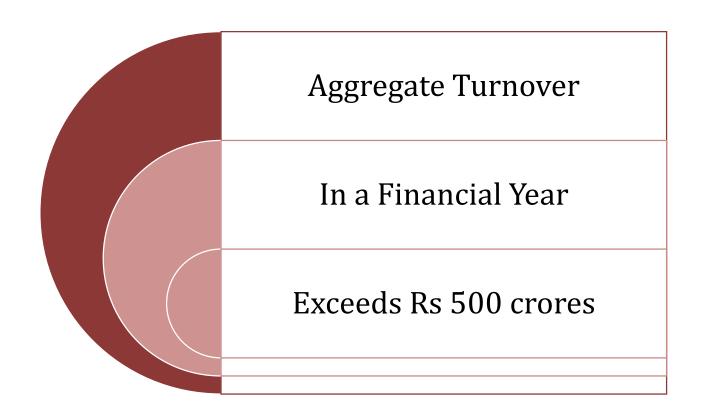
From 1st October 2020, taxpayers whose aggregate turnover in a *financial year exceeds 500 crore rupees

Not Applicable:-

- SEZ Unit
- Insurer or a banking company or a financial institution, including a non-banking financial company
- Goods transport agency
- Supplier of taxable service is supplying passenger transportation service
- Supplier supplying services by way of admission to exhibition of cinematograph films in multiplex screens

KEY ELEMENTS IN THE NOTIFICATION

Key elements given in the notification no. 13 of 2020 Dt. 21-3-2020





MEANING AND CALCULATION AGGREGATE TURNOVER

Meaning

• As per Section 2(6) of CGST Act, 2017 "aggregate turnover" means the aggregate value of all taxable supplies (excluding the value of inward supplies on which tax is payable by a person on reverse charge basis), exempt supplies, exports of goods or services or both and inter-State supplies of persons having the same Permanent Account Number, to be computed on all India basis but excludes central tax, State tax, Union territory tax, integrated tax and cess

Turnover reported In GSTR-3B • The list of taxpayers, who have been crossed with aggregate turnover of Rs 500 cr, have been identified by based on the turnover declared in GSTR 3B for previous year

Self Declaration • The separate option will be provided on the portal for self declaration by the taxpayers, who have crossed with aggregate turnover of Rs 500 Crores, to registered and get enabled for e-invoicing system. It will be enabled in couple days



E-INVOICE ENABLEMENT FORM

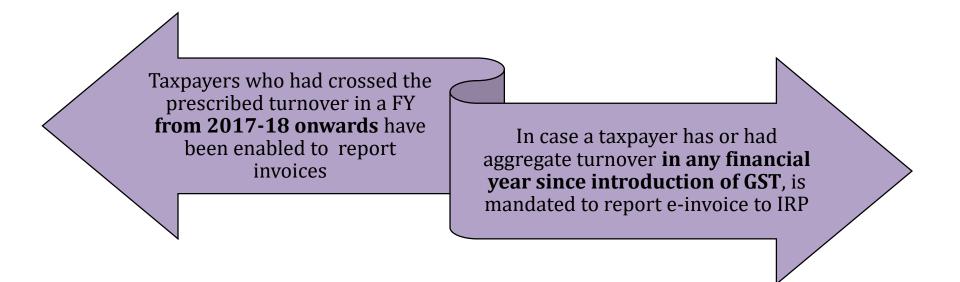
Recently, one more facility available in the IRP that if the taxpayers having turnover more than 500 crores but they are not enable on the portal then he can go for the self registration form. You can enable yourself **on einvoice1-trial.nic.in>Registration>E-invoice enablement**

e-Invoice Enablement Form		Then this type of icon will be
GSTIN*:	B4F87 C TER ABOVE CAPTCHA Go Exit	shown in enablement form. After entering GSTIN all the GSTIN related information will be reflected. Then authentication that your turnover is exceeds by 500 crores.
If your Turnover has crossed Rs 50 that Turnover amount. (in Rs.Crores Select Financial Year : Enter amount (in Rs Crores) :	© Cr in the GST regime for any financial year, please enter © 2017-18 © 2018-19 © 2019-20 Submit Exit	After giving OTP Authentication this type of information will be shown, if your turnover exceeds the limit then enter your turnover and also select the Financial year in which the turnover exceeds.

THRESHOLD LIMIT TAKEN FOR WHICH FY?

Now Question arises, turnover of which financial year is to be taken for applicability? Is this 2017-18, 2018-19 or 2019-20.

According to the notification no. 70/2020 Dt. 30-09-2020





CALCULATION OF THRESHOLD LIMIT

Example for better understanding

Company	2017-18	2018-19	2019-20	Applicability
A	565	400	350	Yes
В	475	520	490	Yes
С	390	480	510	Yes
D	200	350	400	No

DOCUMENTS ON WHICH E-INVOICING APPLICABLE

Documents on which E-Invoicing Applicable

As per Notification 13/2020-Central Tax

E-Invoicing is applicable on those class of registered person who shall prepare invoice and prescribed documents.

Further, Govt. has not been prescribed those documents yet.



Below is the list of Documents as per Govt. PPT

To be entered

- Invoice by Supplier
- Credit Note by Supplier
- Debit Note by Supplier

Not to be entered

- Delivery Challan
- Bill of Supply
- Job Works

AMRG Comment

However, there is no clarification regarding implementation of e-invoicing on credit debit notes.



INTRODUCTION OF NEW SCHEMA

As per the latest e-invoice format, notified on 30th July 2020 by Notification No. 60/2020 Dt. 30-7-2020, there are Broadly two fields:

- (1) Mandatory fields and
- (2) Optional fields

In New Schema Few Sections and Annexures are mandatory





In Schema there are 12 sectionsout of which 5 are mandatory

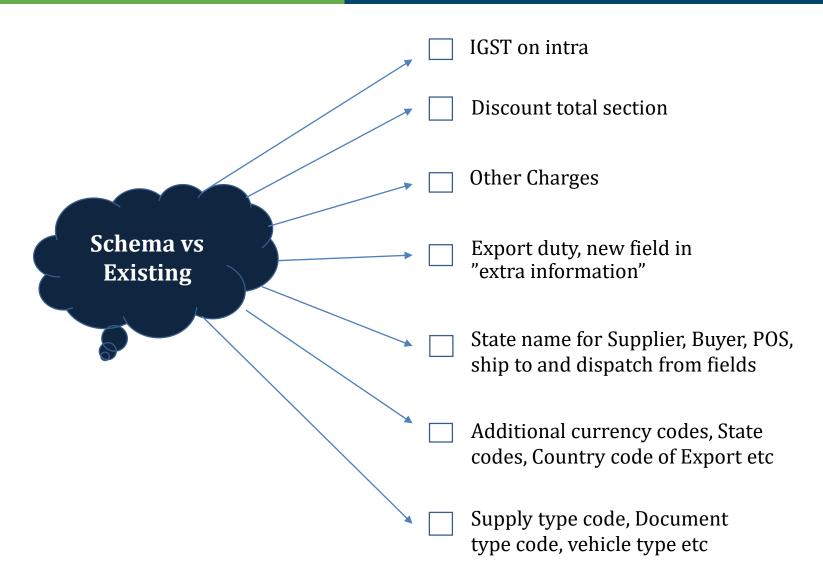
- Basic details
- Supplier information
- Recipient information
- Invoice Item details
- Document total

And 6 annexures in new schemaout of this 2 are mandatory.

- Item details
- Document total details



MAJOR CHANGES IN REVISED SCHEMA





WHAT IS 'CARDINALITY' IN SCHEMA

In e-invoice schema, for each field, 'Cardinality' is marked as 0..1/1..1/1..n/0..n. This is to denote whether a field is 'mandatory' and whether it is 'repetitive'.

Notation	Meaning
Starts with 0	Optional field
Starts with 1	Mandatory field
Ends with 1	Data for the field can be entered only once
Ends with n	Data for the field can be entered multiple times

Example:

- 0..1= RCM, Supplier email, payee information etc
- 1..1= IRN, Document No., supplier information etc
- 1..n= Invoice items details etc
- 0..n= product details, preceding reference no etc



WHO CAN ACCESS TO IRP/ E-INVOICE SYSTEM

Businesses > 500 Crore turnover GSPs/ASPs IT Service providers for services being provided to the their client



HIGHLIGHTS OF LATEST CHANGES

As per Notification No. 70

- Regarding aggregate turnover threshold specified that 500 cr. Crossed in any preceding FY from 2017-18 onwards.
- Supplies for 'exports' are also specifically included under e-invoicing, earlier in the notification no. 13, written as supplies made to "a registered person".

As per Notification No. 72

- Rule 46(Requirements of invoices): QR code, having the Invoice Reference Number (IRN) to be part of invoice copy issued to buyer.
- Rule 46(Manners for issuing invoices): QR code, having the Invoice Reference Number (IRN) to be part of invoice copy issued to buyer.
- Rule 138(A): Physical copy of invoice need not be carried (during movement of goods) and it is sufficient if the QR code having IRN is produced electronically



LATEST IMPORTANT UPDATES

Notification No. (Central Tax)	Key Contents
For Applicability:- 13 of 2020 Dt. 21-3-2020 (in supersession of 70/2019 Dt. 13-12-2019)	 E-invoicing is to start from the 1st October, 2020; Notifies registered person, other than those referred to in sub-rules (2), (3), (4) and (4A) of rule 54 of the said rules, whose aggregate turnover in a financial year exceeds one hundred crore rupees, as a class of registered person who shall prepare invoice and other prescribed documents, in terms of sub-rule (4) of rule 48 of the said rules in respect of supply of goods or services or both to a registered person. (Further amended by 61/2020 Dt 30-7-2020)
For E-Invoice Schema:- 60/2020 Dt. 30-7-2020	 Central Goods and Services Tax (Ninth Amendment) Rules, 2020 New Form substituted for GST INV-01 (i.e. notified revised Schema/format for e-invoice) Amended 13/2020 Dt 21-3-2020
For Excluded sectors and revised turnover:-61/2020 Dt. 30-7-2020 (in supersession of 13/2020 Dt. 21-3-2020)	 Special Economic Zone units also excluded from e-invoicing mandate Aggregate Turnover of registered persons (required to prepare invoice in terms of Rules 48(4) enhanced to Rs 500 Cr
For Invoice Form:- Rule 48 (4) inserted by 68/2019 Dt. 13-12-2019	 The invoice shall be prepared by such class of registered persons as may be notified by the Government, by including such particulars contained in FORM GST INV-01.



LATEST IMPORTANT UPDATES

Notification No. (Central Tax)	Key Contents
For more clarification related to applicability:- 70 of 2020 Dt. 30-09-2020 (in supersession of 13/2020 Dt. 21-03-2019)	 For the words "a financial year", the words and figures "any preceding financial year from 2017-18 onwards" shall be substituted after the words "goods or services or both to a registered person", the words "or for exports" shall be inserted
For amendment in Rules:-72/2020 Dt. 30-09-2020	 Rule 46(4):"(r) Quick Reference code, having embedded Invoice Reference Number (IRN) in it, in case invoice has been issued in the manner prescribed under sub-rule (4) of rule 48." Rule 48(4):"Provided that the Commissioner may, on the recommendations of the Council, by notification, exempt a person or a class of registered persons from issuance of invoice under this sub-rule for a specified period, subject to such conditions and restrictions as may be specified in the said notification." Rule 138A (2): In case, invoice is issued in the manner prescribed under sub-rule (4) of rule 48, the Quick Reference (QR) code having an embedded Invoice Reference Number (IRN) in it, may be produced electronically, for verification by the proper officer in lieu of the physical copy of such tax invoice."





COMPARISON WITH CURRENT SYSTEM

Point of comparison	Present System of Invoicing	E-invoicing System
Invoice Reference Number (IRN)	There was only the concept of the invoice number and not an IRN	IRN generated through Hash generation algorithm must be used under e-invoicing system.
Validation of invoices	GST portal did not contain any facility for validation and downloading of invoices.	Validated e-invoices are e-mailed to the supplier.
Digital Signature	Only Authorized signatory's signature was required on the invoice.	Validated invoices will be digitally signed by the IRP.
QR code	Invoices could not be verified on the basis of a QR code.	Validated invoices will also contain QR code generated by IRP. This will enable verification of invoices even when internet facility is not available.
Verification of invoice	Not easy to verify the genuineness of an invoice during an inspection.	Easy to verify genuineness by scanning QR code and also checking of IRN.



LINKAGE OF CDN WITH ORIGINAL INVOICE

Earlier reporting of CDN

 Credit and Debit are to be reported in GST return by linking to the original invoice details such as Invoice no., Invoice date, HSN code, tax rate etc.

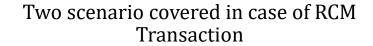
After E-Invoicing

 Presently, No linkage or validation built with original invoice value for the credit note and Debit note

GENERATION OF REVERSE CHARGE INVOICES

Who can generate E-Invoice in case of RCM

RCM related invoices have to be generated by the supplier, not by recipient



B2B RCM Invoice:-

In case of B2B RCM invoices, if the supplier is notified to generate the IRN, he will do so with RC flag in it, otherwise not required

B2C RCM Invoice (Self Invoicing):-

In case of B2C RCM invoices or self invoices, then IRN need not have to be generated



IS E-INVOICING APPLICABLE ON ISD?

Who is an ISD (Input service distributor)

Input Service Distributor" means an office of the supplier of goods or services or both which receives tax invoices towards the receipt of input services and issues a prescribed document for the purposes of distributing the credit to a supplier of taxable goods or services or both having the same Permanent Account Number as that of the said office.

Scope of ISD invoices under E-invoicing

ISD can distribute the amount of tax credit to recipients by issuing an ISD Invoice.

Further, invoices issued by ISD are covered within the scope of "tax invoices".

Is ISD invoices are covered under E-invoicing?

No, as per FAQs released by GSTN mentioned that IRN is not required in case of ISD Invoices.



INCOME TAX TCS UNDER E-INVOICING



No separate field in schema for recording this

"Other charges" field can be used to mention TCS

Once IRN is obtained ,business may add any other elements/ charges



GSTR-1 AUTO POPULATED FIELDS

• Following tables for GSTR-1 will be auto populated through E-invoice mechanism.

Table no.	GSTR-1 Table description
4A,4B,4C, 6B,6C	B2B Invoices
6A	Export Invoices
9B	Credit/Debit Notes (Registered)
12	HSN wise summary of outward supplies

- To start with data from E-invoice will be pulled once every night, so data uploaded in E-invoice system on T will be available on T+1 in GSTR 1 and GSTR 2A/ GSTR6A. After stabilization it will be available in near real time.
- GST System will handle cancellation of E-invoice and remove auto populated cancelled invoice from GSTR 1 automatically if changes made on IRP within 24 hours.
- Taxpayer will be able to edit auto populated data in GSTR 1.
- If a Taxpayer edit invoices after auto population or cancels the invoice, details of such will be sent to respective officer for information.

GENERAL DISCUSSION

Finance secretary, Ajay Bhushan Pandey said that the government will roll out the electronic invoicing (e-invoicing) system for all business-to-business (B2B) transactions under the Goods and Services Tax (GST) regime from April 1 next year that will replace physical invoices.

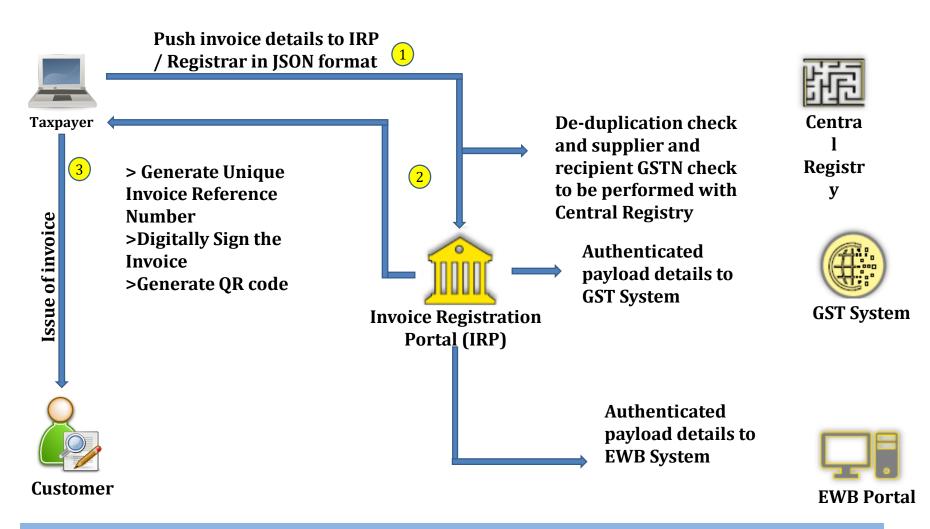
He further said that the government introduced the e-invoicing system on October 1, 2020, for businesses with an annual turnover over Rs 500 crore. By January 1, 2021, it will be available to taxpayers with an annual turnover over Rs 100 crore.

Particulars	Effective Date	Source
B2B transactions for all businesses above INR 500 crores	Effective from October 1, 2020.	Via Notification
B2B transactions for all businesses above INR 100 crores.	Effective from January 1, 2021	Confirmed by Finance Secretary
B2B transactions for all other businesses registered in GST.	Effective from April 1, 2021	Confirmed by Finance Secretary





PROCESS OF E-INVOICING



Parameters to generate the IRN (Supplier GSTIN + Doc Number + FY + Doc Type (new requirement)
Parameters for QR code (IRN + Supplier & Buyer GSTIN + Invoice No + Date + Invoice Value + Total Tax + HSN)



PROCESS TO GENERATE AN E-INVOICE

STEP-1 INVOICE CREATION: The seller will create an invoice in the prescribed format using his/her accounting or billing software.

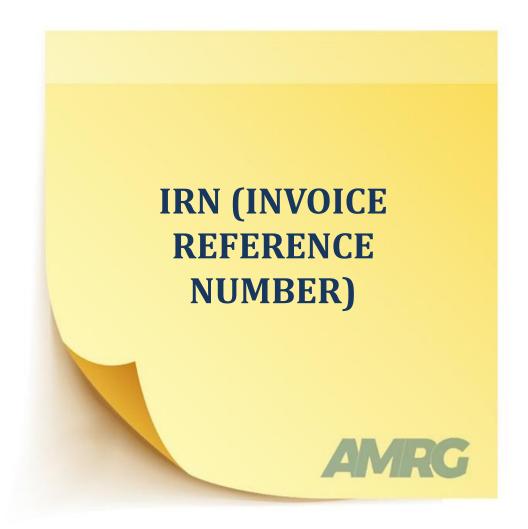
STEP-2 INVOICE UPLOADING: Now the seller will upload JSON for each of the invoices, to the IRP.

STEP-3 <u>AUTHENTICATION:</u> IRP will validate the invoice uploaded by the supplier. De-duplication and GSTIN Validation check.

STEP-4 SHARING OF DATA: Uploaded data will share with the E-way bill and GST System.

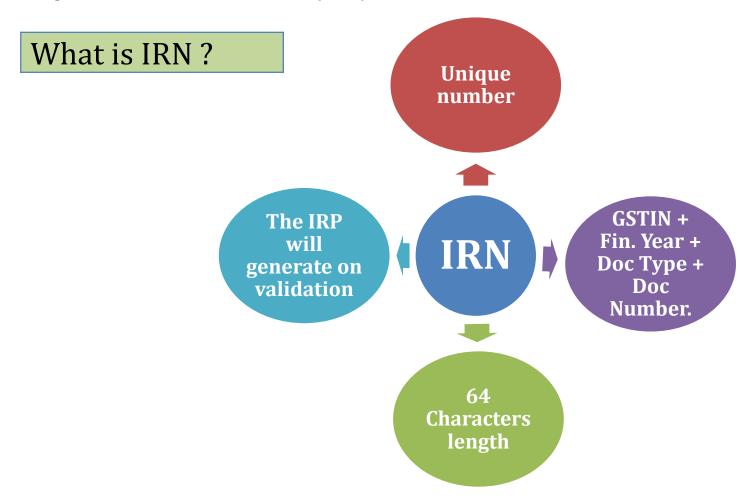
STEP-5 <u>E-invoice Downloading:</u> The portal will send the digitally-signed JSON along with IRN and QR code back to the seller.





ALL ABOUT IRN

E-invoicing are to be submitted through the online Invoice Registration Portal ('IRP') which generates a unique **Invoice Reference Number ('IRN')** and QR code for the invoices raised



IRN (INVOICE REFERENCE NUMBER)

IRN

EXAMPLE

•Tax payer with details as follows

o GSTIN: 01AAAAA9999A19N

o Financial Year: 2019-20

o Invoice Number: ABC01234

o Invoice date: 12.12.2019

Hash of 01AAAAA9999A19N2019-20INVABC01234 is
 "35054cc24d97033afc24f49ec4444dbab81f542c555f9d30359dc75794e06bb e".



TIME LIMIT FOR GENERATION OF IRN

Previously

Earlier, **24 hours** time limit had been provided for generation of IRN after preparation of invoice by the taxpayers

Now

But now, that validation has been removed based on demand of taxpayers

0

IRN should be generated before issuing the invoice to the other party or movement of goods



CANCELLATION OF IRN



IRN generated on the portal can be cancelled within 24 hours.



IRN cannot be cancelled, if valid E-way Bill exists for that IRN



Once e-invoice (IRN) is cancelled, then one more IRN cannot be generated on the same invoice number

IRN (INVOICE REFERENCE NUMBER)

- IRN will be generated by IRP.
- Taxpayer will be able to identify their applicability for e-invoice on einvoice1.gst.gov. in

IRN Generation

Validations

IRP System will have the validations- GSTIN, Doc date and type, Tax rate, type of transaction, HSN, Unique invoice no in a FY, file format, unit qty code, pin codes, line items(and a few more)

- **24-Hour** Storage of Invoices on IRP
- Amendments and Cancellation that are made post 24 Hours will only be done on GSTN and NIC.

24 Hour Storage Real Time Uploads on IRP

- Real time uploads will be facilitated in IRP.
- IRP is expected to provide an IRN within 100 milliseconds.
- Bulk excel upload available.



RELAXTION GIVEN BY GOVT.

Invoices issued during October 2020 without obtaining IRN, shall be deemed to be valid, if (IRN) is obtained from the (IRP) within 30 days of the date of invoice.

Example: Invoice dated 3rd October 2020 issued without obtaining IRN such reporting to IRP should be done before 2nd November 2020

No such relaxation provided for the invoices issued from 1st November 2020.

Finance Minister has issued a **Press**release dated
September 30,
2020, to provide relaxation from obtaining IRN



E-WAY BILL AND E-INVOICE

Credentials for Access to API

E-invoice system and E
 way bill system
 seamlessly integrated and
 the same credentials of
 Eway bill system work on
 E-invoice system

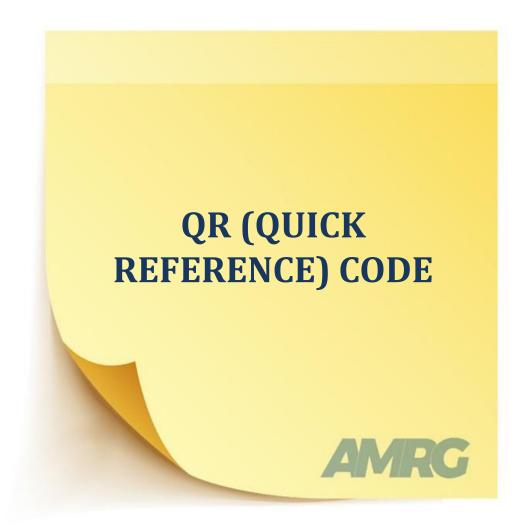
Generation and cancellation of IRN and EWB

- Generation:- First Einvoice/IRN has to be generated and then e-way bill
- Cancellation:- There is no provision for simultaneous cancellation of IRN and E-way bill. First cancel EWB and then IRN.

Is carrying physical copy of E-Invoice is mandatory?

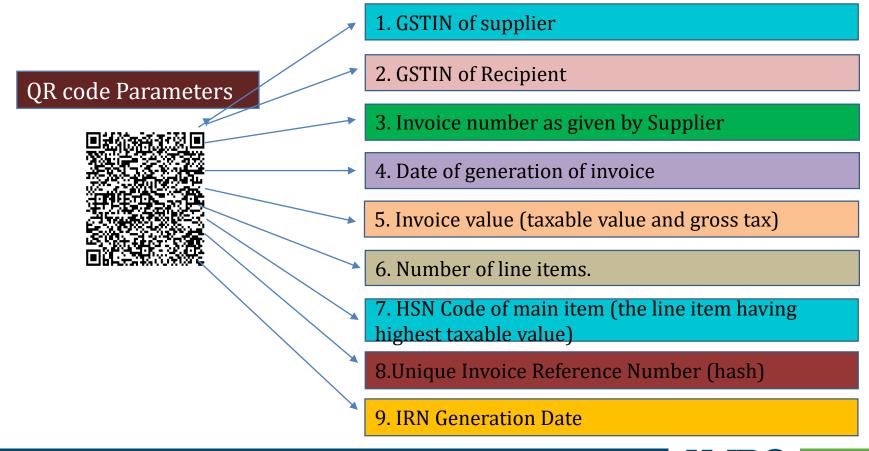
 If the copy of e-invoice issued to buyer (along with QR code) can be shown on a digital device such as mobile etc. to the proper officer, carrying physical copy of e-invoice is not required.





QR CODE

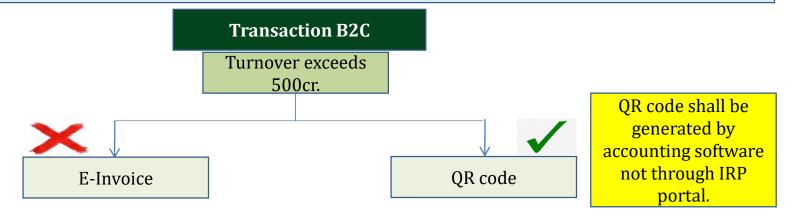
- The **IRP will also generate a QR code** containing the unique IRN (hash) along with some important parameters of invoice and digital signature so that it can be verified on the central portal.
- This will be **helpful for tax officers** checking the invoice on the roadside where Internet may not be available all the time. The web user will get a printable form with all details including QR code.



B2C TRANSACTION

As per notification.

•As per the notification no. **14/2020 of Central tax** - An Invoice issued by a registered person, whose aggregate turnover in a financial year **exceeds 500cr**, to an **unregistered person (B2C)** shall **have QR code**.



- Q) A ltd having aggregate Turnover of Rs 250cr and A ltd sold goods to Unregistered person whether A ltd have to generate E-invoice for this transaction?
- a. No
- Q) A ltd having aggregate Turnover of Rs 550cr and A ltd sold goods to Unregistered person whether A ltd have to generate E-invoice for this transaction?
- a. No
- b. Only Dynamic QR code is required to be printed on Invoice.



B2C TRANSACTION

As per notification.

• As per notification no. **71/2020 of central tax**, invoice issued by registered person to an unregistered person (B2C Invoice) shall have quick response (QR) code.

Two important clarification covered in this notification as given below:

In the first paragraph, for the words "a financial year", the words and figures "any preceding financial year from 2017-18 onwards" shall be substituted

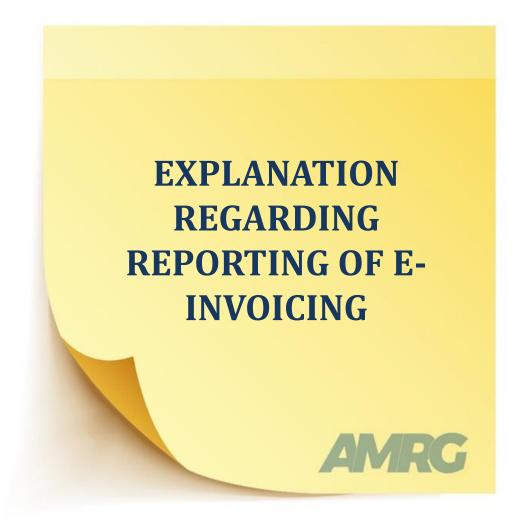
In the second paragraph, for the figures, letters and words "1st day of October", the figures, letters and words "1st day of December" shall be substituted



DYNAMIC QR CODE VS QR CODE BY IRP

		DYNAMIC QR CODE	STATIC QR CODE
1.	Type of Transaction	For B2C	For B2B
2	Notification No	Notification 14/2020- Central Tax dated 21 st March, 2020	Notification 13/2020- Central Tax dated 21 st March, 2020 & 61/2020 Dt 30-07-2020
3.	Impacted on	Registered persons with aggregate turnover greater than INR 500 crore	Registered persons with aggregate turnover greater than INR 500 crore
4.	Notification highlights	Dynamic QR code for making payment using UPI- based payment Apps by scanning the QR code	Mandatory issuance of Invoice having IRN and QR code generated by IRP
5.	Purpose	To enable & encourage digital payments where buyer can scan the dynamic QR Code & make payment from mobile wallet directly	To verify the B2B invoices reportingCurbing fake invoicing







State: Maharashtra

Pincode: 400076

Schema version: 1.0 06/12/2019 1:40PM Tax scheme: GST Original For Recipient e-Invoice 05AAACG2207L1ZY 1. GSTIN 2. Name GSTN LTD: 3. Address GODREJ, VIKHROLI, Mumbai, Maharashtra, 400076 Serial No. of Invoice GSTN001 Dispatch from:05AAACG2207L1ZY, GSTN LTD Date of Invoice 06/12/2019 Address: GODREJ, VIKHROLI, Mumbai

Details Of Receiver(billed to)	Details Of Consignee(Shipp	ed to)
fame ABC INDIA LTD		Name	ABCINDIA LTD
Address	Mumbai	Address	Mumbai
Pin Code	400011	Pin Code	400011
State	Maharashtra	State	Maharashtra
State Code (Place of supply)	MH	State Code (Place of supply)	MH
GSTIN/Unique ID	05AAACG2314E1ZD	GSTIN/Unique ID	05AAACG2140A1ZL

05AAACG2207L1ZY/GSTN001/2019-20

Sample e-Invoice

Supply type: Outward Transaction mode: Tax Invoice

IRN No.

S.No.	Description of supply /	HSN	Quantity	Rate per unit	GST rate (aggregate of	Taxable	COST		SGST		IBST			CESS
	Item description	Code	0.0000000000000000000000000000000000000	of quantity	CGST+SGST/IGST)	Value	5%	Amount	56	Amount	%	Amount	%	Amount
1	LAPTOP	8703	2.00	50000.00	15.00	100000:00	9.00	9000.00	9.00	9000.00	0.00	0.00		0.00
				•	Total	100000-00		9000.00		9000.00		0.00		
September 1	nite was view or					Total Taxa	ble A	mount						100000 00
Total Invoice Value(in figure): 118006.00 Amount of Tax subject to Reverse Charges: 76						Total Tax Amount 16								18000 00
0.00	e Information:					Final Amo	unt							118000.00
	e name:			KPMG										
255.00	ant number: ent mode:			Cash		Amount pa	eid in a	advance						10000.00
2000	cede:					Amount ou	dstane	ding						98000.00
									Т					

Remarks 1 Remarks 2

- •**Printing** of QR Code on invoice is mandatory.
- •QR Code can be placed anywhere on printed invoice.
- •There is no prescribed size of printing, but it should be readable to general cam scanners.
- •B2C QR code is not applicable since no B2C invoices are to be accepted.





 No, it's optional because IRN is already embedded in the QR code

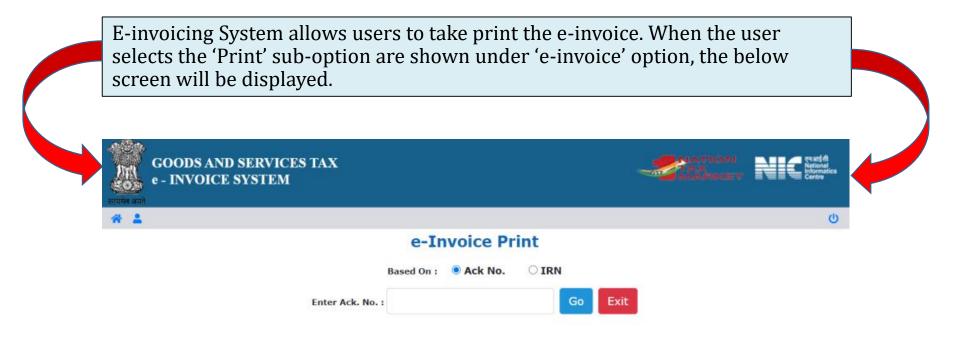
Entity logo on einvoice

 After reporting invoice details to IRP and receipt of IRN, supplier can place their company logo or any additional text etc if he wants to do so

Signature (DSC)

 While reporting einvoice to IRP signature (DSC) of supplier is not mandatory





There is no mandate to print these particulars on invoice. However, the seller can print the same.

The "Acknowledgement No." and "Date" given by IRP are only for reference.

As per **Rule 48(6)** the e-invoice shall be prepared by such class of registered persons as may be notified including such particulars contained in **FORM GST INV-01** after obtaining an Invoice Reference Number.

In case supplier is generated e-invoice under prescribed schema. There is no need of issuing invoice copies in **duplicate/triplicate**



As per Rule 46(q), of CGST Rules, 2017

"Signature or digital signature of the supplier or his authorized representative is mandatory

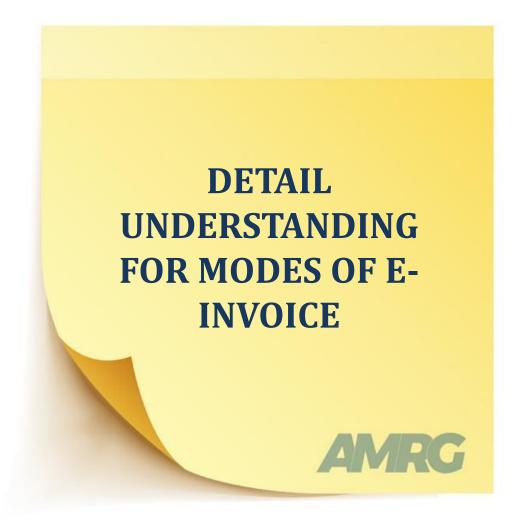
Provided that the signature of supplier shall not be required in the case of issuance of an electronic invoice in accordance with the provisions of the Information Technology Act, 2000".

It means in case of supplier issuing paper invoice to the buyer then supplier's signature must be added in the invoice.

But invoice issued by way of PDF format or email to the buyer then no need to add supplier's signature as per the IT Act,2000

(*clarification given in the recent update)





MODES OF E-INVOICING GENERATION



Offline Facility-Bulk Upload Tool

 In this, tax payer prepare and upload the file containing the multiple invoices and e-invoicing system will process each one of them and return the IRN for all as applicable.



Direct API Integration

 This is direct method of tax payer system requesting for IRN and e-invoicing system will return the IRN. Taxpayer will access the portal through APIs.



API Integration through GSP

 In this case, the tax payer system will route the request for IRN through GSP and e-invoicing system will return IRN.

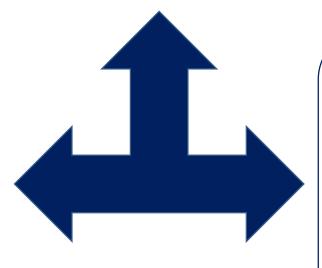


INTRODUCTION:

- Bulk IRN generation facility is provided by the Invoice Registration Portal (IRP) where multiple invoices can be uploaded at once.
- Affixing IRN and QR code before issuing invoice to buyer is the responsibility of the supplier which will be generated on Invoice Registration Portal (IRP) post authentication

ISSUE:

- Affixing QR Code in the invoice for entity who don't have any own ERP/ software solutions.
- Reporting of invoices to IRP and generate IRN will be done sequentially.

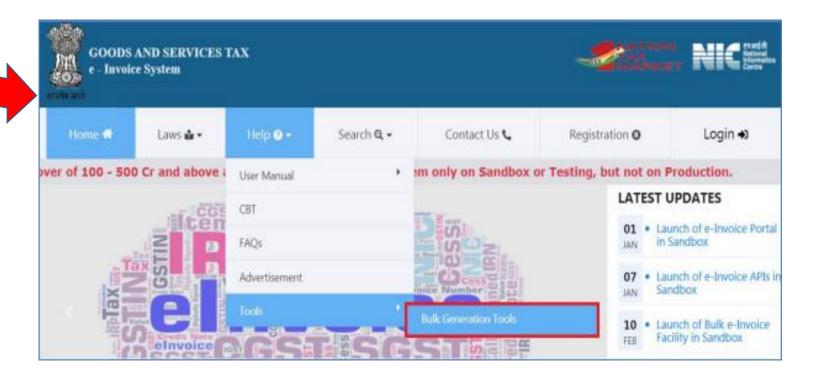


AIM behind bulk offline tool:

- They can use the free offline utility downloadable from IRP
- Cost Effective
- Companies with large value transaction can adopt this without incurring much investment in IT.

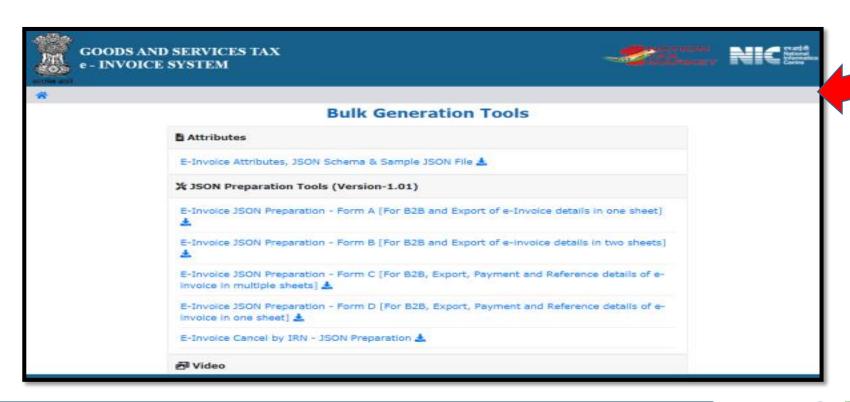


In order to download this tool, visit the **trial e-invoice portal. Go to Help> Tools > Bulk Generation Tools** option provided in E-Invoice portal as shown below.





- E-invoicing system will display 4 different JSON preparation Tools as Format A, Format B, Format C and Format D.
- These formats have been made as per the **requirements** of different classes of tax payers and transactions.
- Taxpayer can select and download the most appropriate format of JSON preparation tool as shown below under 'Bulk generation Tools





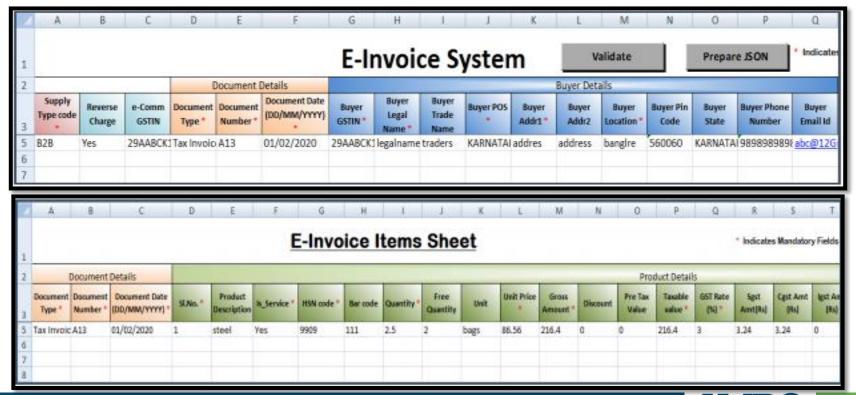
FORMAT - A

- Format A consists of a **single worksheet** in which invoice and items details can be entered to prepare JSON file to upload the large number of e-Invoices by a single upload to the Invoice Registration Portal (IRP).
- Businesses having **1** or **2** items in the invoice can use this format.
- Payment details and Reference details cannot be entered in Format A

1							E-li	nvoi	ce S	ysten	n L	Valid	late	- 8	es mil	ΔI	* Indicates	Menderon	Fields				
2					Document	Details	-					uyer Deta	ills										1
1	Supply Type Code 1	Reverse Charge	e-Comm GSTW	Document Type ¹	Document Number ⁶	Document Sate (DD/WM/YYYY) 1	Byer GSTN [®]	Boyer Legal Name*	Buyer Trade Name	Buyer POS ¹	Buyer Addr11	Buyer Addr2	Boyer Location [®]	Buyer Fin Code	Buyer State	Super Phone Number	Buyer Email Id	51.No.*	Product Description	Is_Service *	#St code 1	Bur code	Que
5	BZB	Yes		Tax Invoic	DES1234	01/06/2020	O38ZNPM	CHANDRA	CHANDRA	PUNUAS	DEHRADU		DEHRADU	140407	PUNIAB			1	junflower O	No	1001		Г
6	B2B	Yes		Tax Imigic	DES1295	01/06/2020	OSBZNAM!	CHANDRA	CHANDRA	PUNIAS	DEHRADU		DEHRADU	140407	PUNIAB			1	lunflower O	No	1001		Г
7	828	Yes-		Tax Invoic	DES1236	01/06/2020	038ZNPM	CHANDRA	CHANDRA	PUNIAS	DEHRADU		DEHRADU	140407	PUNIAB			1	lunflower 0	No	1001		
ŧ.	B2B	Yes		Tax Involc	DE51297	01/06/2020	03BZNPW	CHANDRA	CHANDRA	PUNIAS	DEHRADU		DEHRADU	140407	PUNIAB			1	junflower O	No	1001		Г
ş	828	Yes		Tax Involc	DES1238	01/06/2020	038ZNPM	CHANDRA	CHANDRA	PUNUAS	DEHRADU		DEHRADU	140407	PUNIAB			1	junflower 0	No	1001		Г
10	828	Yes		Tex Invoic	DE51239	01/06/2020	03BZNPM	CHANDRA	CHANDRA	PUNIAS	DEHRADU		DEHRADU	140407	PUNIAS			1	junflower O	No	1001		
11	828	Yes.		Tex Invok	DES1240	01/06/2020	0382119141	CHANDRA	CHANDRA	PUNIAS	DEHRADU		DEHRADU	140407	PUNIAB			1	iunflower ()	No	1001		
12	525	Yes		Tax Invoid	DES1241	01/06/2020	D3BZNPM	CHANDRA	CHANDRA	PUNIAS	DEHRADU		DEHRADU	140407	PUNIAS			1	iunflower O	No	1001		

FORMAT - B

- Format B Consists of a **two worksheets** in which invoice and items details can be entered separately.
- This format is advisable for the businesses having many items in the invoice.
- As the item details are entered in different worksheet, ensure that every item will be **referenced** with **Document number, Document type and document date of the invoice**.
- **Payment details and Reference** details cannot be entered in Format B.



FORMAT - C

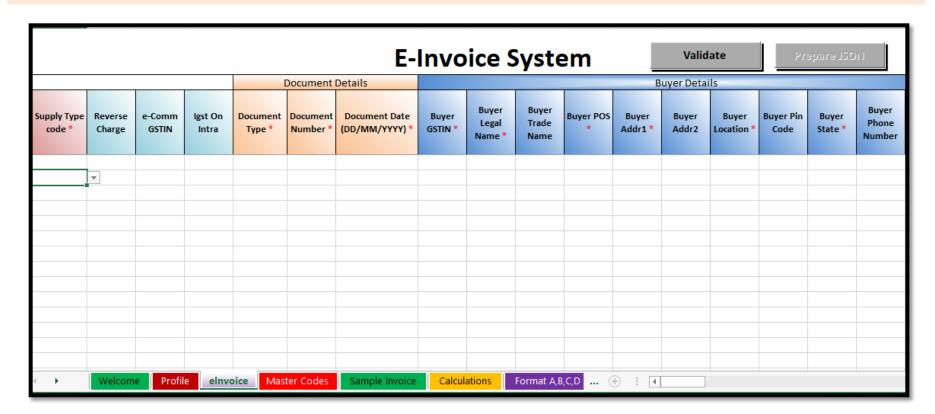
- Format C consists of a **five worksheets** in which i**nvoice details, items details, payment details, reference details and additional details** can be entered separately.
- This format is advisable for the businesses having many items in the invoice with payment details and reference details etc.
- As the item details are entered in different worksheet, ensure that every item will be referenced with **Document number, Document type and document date** of the invoice.

						E-	Inv	oice	Syst	em		Valid	ate	Pr	epare JSO	ľ
Supply Type code	Reverse Le-Comm Ligst On Document Document Document Date Light Ruyer Light Ruyer POS Ruyer Lighter Ruyer Light								Buyer Pin Code	Buyer State *	Buyer Phone Numbe					
	V															
· •	Welcor	me Prof	file eln	voice Ite	ems Pa	yment Referer	nce Ad	ditional	Master Co	odes Sa	mple Invoic	e Calc	ulatior	÷ : •		

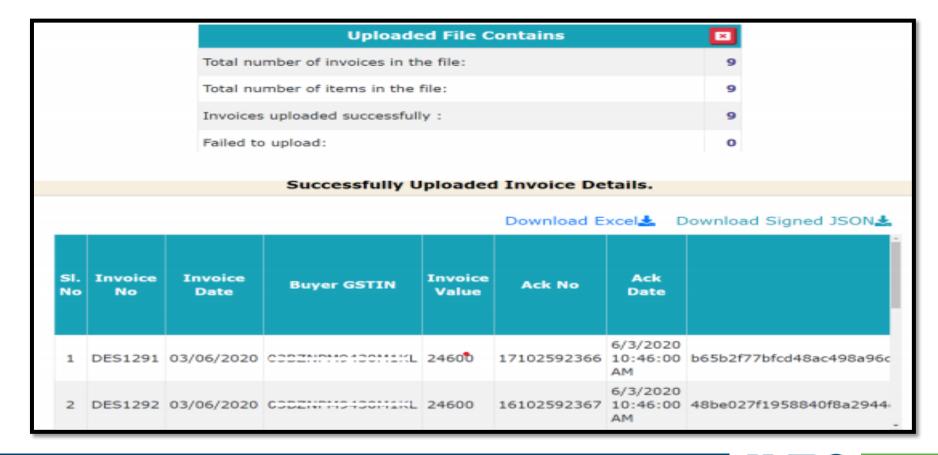


FORMAT - D

• Format D consists of a **single worksheet** in which invoice details, items details, payment details, reference details and additional details can be entered in the same worksheets.



- After uploading bulk JSON file, the user can export the e-invoices in excel file by clicking on 'Download Excel' or you can download signed JSON
- If any invoices failed to upload then errors are also download from here



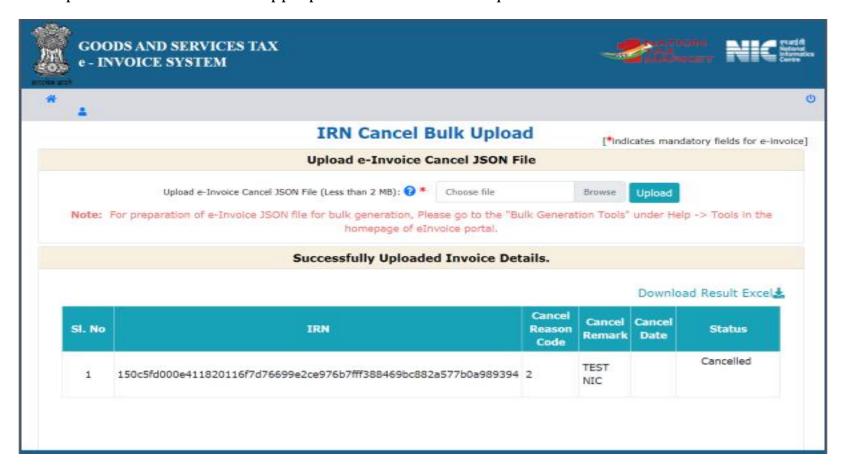
BULK IRN CANCELLATION

- The provision has been provided to the taxpayer to cancel the invoice reference number in bulk for various reasons like incorrect entry, duplicate entry etc.
- For preparation of e-Invoice JSON file for bulk IRN cancellation, Please go to the "Bulk Generation Tools" under Help -> > Tools in the homepage of e-invoice portal and download "E-Invoice Cancel by IRN - JSON Preparation" tool
- For cancellation of e-invoice you have to enter three type of details in the template
- ☐ IRN
- Cancel Reason
- ☐ Cancel Remarks

			E-Invoices Canc	el Details	
IR Number *	Cancel Reason *	Cancel Remark *	Error List		
12345679012345678901234	Order Cancelled	Order is cancelled by bu	yer		
12345679012345678901234	Data Entry Mistake	Values entered incorred	tly		
₩elcome	Elnvoice Cancel Maste	r Codes Sample Sche	ma Validation FAQ's	÷ : •	

BULK IRN CANCELLATION

• After processing the JSON file, the system e-invoice system will cancel IRN and displays status as cancelled. If it is not possible it will show the appropriate error for each request





API INTEGRATION OVERVIEW

- E-Invoice APIs are used to interact and exchange the data between Taxpayer/GSP systems and the e Invoice system.
- The APIs can be accessed only after a successful authentication.
- On successful authentication, an authentication token and SEK (Session Encryption Key) is generated by the system and provided to the user

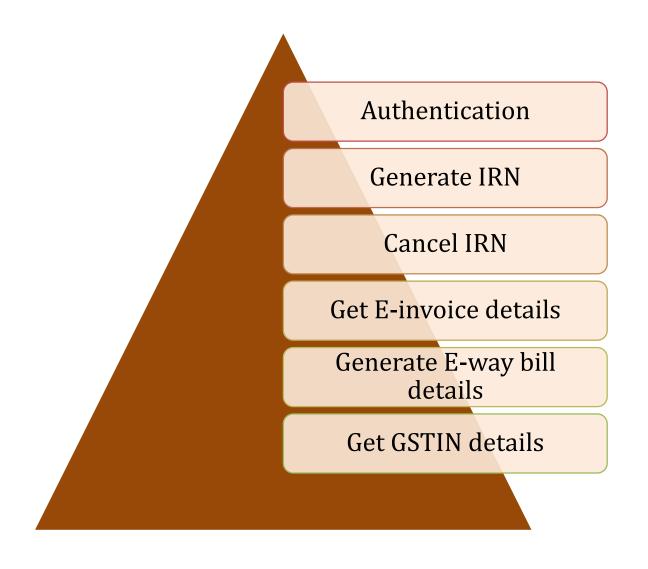


API ON-BOARDING PRE-REQUISITES

- Should have **automated** their invoice generation process.
- The traffic originating shall be free from viruses, malwares, intrusions, Bots/C&C threats etc.
- Must adhere to **all Government of India IT Security standards** and regulatory requirements.
- Adequate bandwidth at their end for connecting to e-Invoice system.
- Tax payer / GSP / ERP / ECO system should have SSL or TSL (with minimum TLS 1.2)
 based domain name for interface.
- Whitelisting maximum up to 4 Indian Static IP addresses.
- Should have pre-production system for testing.
- Need to test their modified system on the e-Invoice pre-production site with all types of activities/services.



API SPECIFICATIONS



API SPECIFICATIONS

Authentication: Generate IRN Cancel IRN Get E-invoice details **Generate E-way** bill details **Get GSTIN** <u>details</u>

- Eligible API user has to complete a self-registration process to get the required credentials then have to get authenticated with NIC's e-invoicing API system
- This API is for registering the invoice or generation of the IRN. Here the request payload has to be as per the E-invoice JSON given in the portal
- This API is used for cancelling an e-invoice within the stipulated time by passing the IRN i.e. within 24 hours
- This API provides the e-invoice details for an IRN. The decrypted JSON contains the IRN details, signed invoice and signed QR code
- This API is used to generate the e-way bill using IRN. E-way bill cannot be generated for cancelled IRN
- This API provides the taxpayers details for a given GSTIN

API SPECIFICATIONS

Visit the trial API testing portal. Go to https://einv-apisandbox.nic.in/ API specifications as shown below

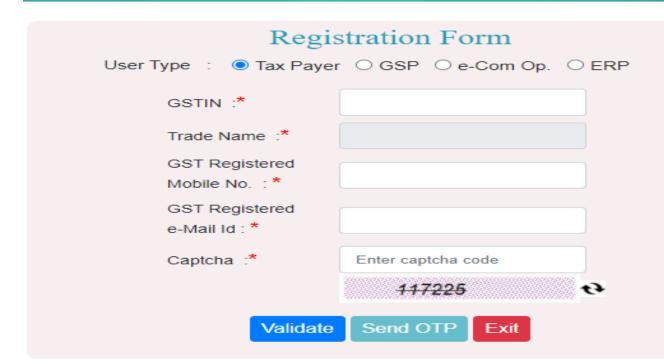
API	Specifications
-----	----------------

Authentication	Generate IRN	Cancel IRN
Current Version (v1.03) Overview Payloads Sample JSONs FAQs	Current Version (v1.03) *** Overview Payloads Sample JSONs JSON Schema Validations *** FAQs	Current Version (v1.03) Overview Payloads Sample JSONs JSON Schema Validations FAQs
Get IRN Details	Generate e-Way Bill by IRN	Get GSTIN Details
Current Version (v1.03)	Current Version (v1.03) 👑	Current Version (v1.03)
0	Overview	0
 Overview Payloads Sample JSONs Validations 	 Overview Payloads Sample JSONs JSON Schema Validations 	 Overview Payloads Sample JSONs FAQs
Payloads Sample JSONs	Payloads Sample JSONs JSON Schema	Payloads Sample JSONs
 Payloads Sample JSONs Validations 	Payloads Sample JSONs JSON Schema	Payloads Sample JSONs





E-Invoice API has four set of Registration as shown below





If Tax payer wants to registered through GSP then following information has to be mentioned:

Registration Form				
User Type ∶ ○ Tax Payer	● GSP ○ e-Com Op. ○ ERP			
PAN:*				
GSP Name :*				
GST Registered Mobile No. : *				
GST Registered e-Mail Id : *				
Captcha:*	Enter captcha code			
	320357 ••			
Validate	Send OTP Exit			

If ECO wants to registered on behalf of their supplier then following information has to be mentioned:

Registration Form			
User Type ∶ ○ Tax Payer	OGSP	e-Com Op.	OERP
GSTIN:*			
Trade Name :*			
GST Registered Mobile No. : *			
GST Registered e-Mail Id : *			
Captcha:*	Enter cap	tcha code	
	549	9340	•
Validate	Send C	OTP Exit	



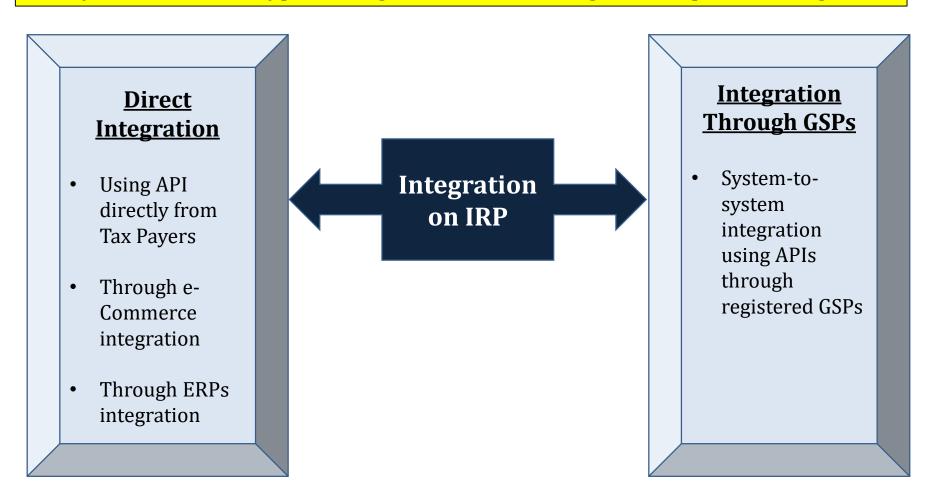
If Tax payer wants to registered through his ERP then following information has to be mentioned:

Regis	stration Form
User Type ∶ ○ Tax Payer	○ GSP ○ e-Com Op. ● ERP
PAN:*	
ERP Name :*	
GST Registered Mobile No. : *	
GST Registered e-Mail Id : *	
Captcha :*	Enter captcha code 840179
Validate	Send OTP Exit



INTEGRATION ON IRP THROUGH API

Mainly, there are **TWO** type of integration on Invoice registration portal through API



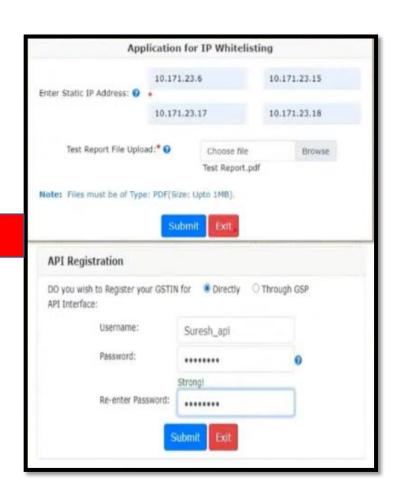




DIRECT INTEGRATION ON IRP

Direct Integration

- Login to the e-invoice portal
- Submit Application for IP whitelisting in the portal
- Application is scrutinized by the network team and IP is whitelisted
- Creation of Client ID and Client- Secret

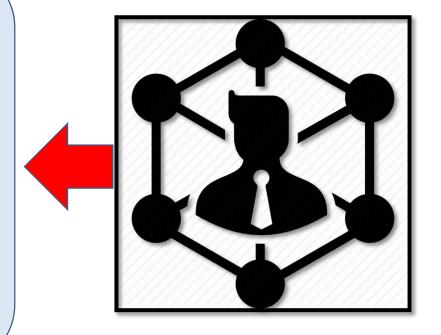




DIRECT INTEGRATION ON IRP

Integration for Sister concern GSTIN

- 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 Username and Password for the sister concern GSTIN





INTEGRATION THROUGH GSPs

Integration Through GSP

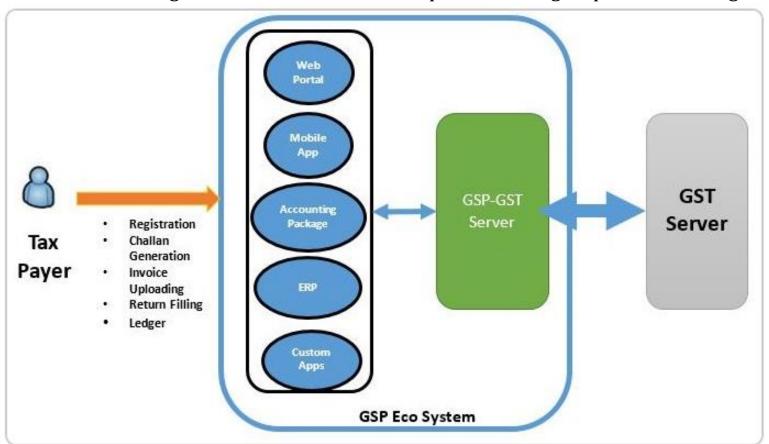
- Login to the E-invoice portal
- Select the GSP
- Creation of Username and Password





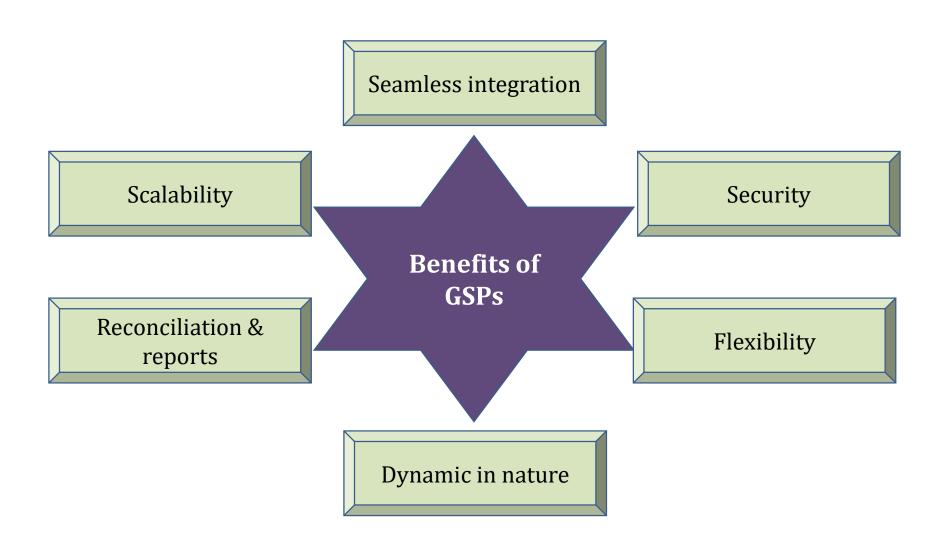
ALL ABOUT GSPs

- GST Suvidha Provider (GSP) is considered as an enabler or authorized intermediary for businesses to access GST portal services. It helps comply with the provisions of GST law through their GST Software applications.
- GSP interacts with the GSTN system and provides the services of registration, uploading invoice details and filing GST Returns. This is accomplished through a portal or through an API





ALL ABOUT GSPs



OFFLINE TOOL vs API vs GSPs

Offline Tool

- Entities with no requirement for real time invoices can use. In case of batch invoices, this mode will be useful.
- Zero Cost
- Man-hours required at the time of making invoices.
- Negligible
 Technical
 Requirements.
- Errors will be verified only by uploading to IRP.

API

- Real time invoicing with inhouse IT team.
- Cost effective then GSP.
- Seamless
 integration of
 ERP/Accounting
 system with eInvoice system.
 Many technical
 requirements
- Check shall be incorporated in ERP

GSPs

- Real time invoicing with limited in-house IT team.
- Using a GSP involves an additional cost.
- Integration of ERP/Accounting system with e-Invoice system through GSP i.e. GSP is a mediator between both.
- **Errors** will be eliminated by GSP.





E-INVOICING SYSTEM FOR E-COMMERCE OPERATORS

- The e-invoicing system is also available for the E-Commerce Operators (ECO) to report the invoices to the IRP, generated by them **on behalf of the suppliers**.
- E-commerce transactions can be reported by the E-commerce operators with "EcmGstin" attribute as their GSTINs. This means to say, that apart from specifying the Seller GSTIN in the payload, it is mandatory to specify the e-Commerce operator GSTIN.

API is also available for E-commerce Operators



- Generate IRN (for self or on behalf of suppliers)
- Cancel IRN (only for those IRNs, generated by ECO)



- Generate EWB
- Cancel EWB (only for those IRNs, generated by ECO)



 Get IRN (applicable to only for those IRNs, generated by e-Commerce operator)



E-INVOICING SYSTEM FOR E-COMMERCE OPERATORS

Process for Integrating on API sandbox

For registration in the sandbox select the option as "E-Comm Op."

After select this option enter GSTIN of type 'TCS' and get registered in the sandbox.

Generate API credentials such as Client ID, Client –Secret, User name and Password.

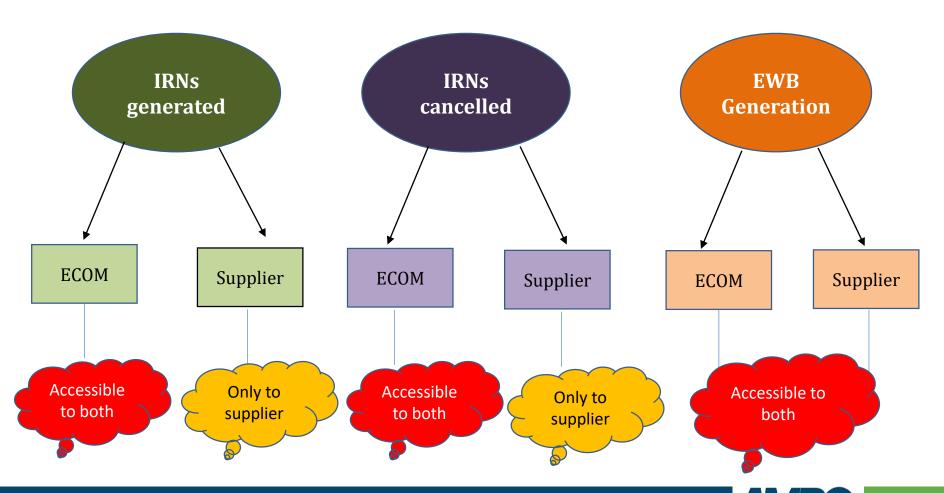
The payload contain the Seller GSTIN, Buyer GSTIN and also the E-comm GSTIN.

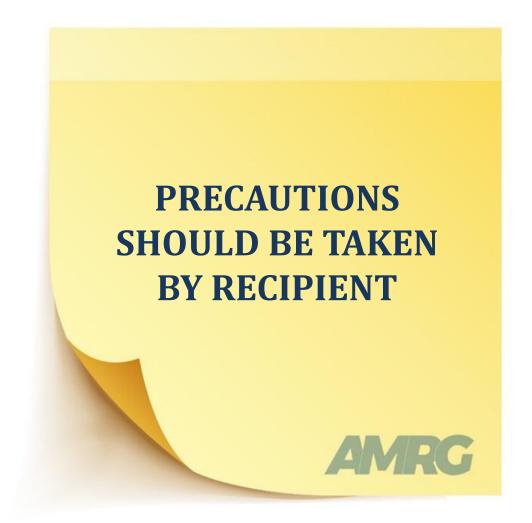
All other validations in the sandbox may be followed accordingly.



E-INVOICING SYSTEM FOR E-COMMERCE OPERATORS

Who can access to IRNs if the same generated by ECOM and Supplier





CHECK SUPPLIER STATUS ON IRP

You can search the status of e-invoicing enablement of a GSTIN on e-invoice portal: https://einvoice1-trial.nic.in/>Search >e-invoice status of taxpayers

Status of E-Invoice enablement of Taxpayer



Note:

- Above option to search taxpayers enabled on IRP is only for facilitation purpose. The listing is based on aggregate annual turnover computations as per GST System based on GSTR-3B filing.
- Please note that on fulfilment of prescribed conditions, the legal obligation to prepare invoice in terms of Rule 48(4) of CGST/SGST Rules, lies with concerned registered person.
- In case any registered person, is required to prepare invoice in terms of Rule 48(4) but not enabled on this
 portal, he/she may kindly click on 'Registration -> e-Invoice Enablement' on the portal.
- In case any registered person, who doesn't have the requirement to prepare invoice in terms of Rule 48(4) but still enabled on this portal, the same may be brought to the notice at support.einv.api@gov.in so that necessary action is initiated.



SELF- DECLARATION FROM SUPPLIER

If you think that your vendor may exceeds the limits but they are still not issuing e-invoice, then you may take declaration from your "large vendors" if you think that e-invoicing may applicable on him..

In case any registered person, who doesn't have the requirement to prepare invoice in terms of Rule 48(4) but **still enabled on e-invoice portal,** then you should ensure that necessary action taken by him or not.



VERIFICATION OF JSON

Anyone can verify the authenticity or correctness of e-invoice by uploading the signed JSON file.

As the given below, upload JSON file **on einvoice1-trial.nic.in>Search>'Verify Signed Invoice**'



*This verification link is on Invoice registration portal (IRP)



VERIFICATION OF QR CODE

QR Code Verify App: The e-invoice system enables users to verify 'QR Code' through mobile application. To download the Mobile App, select 'help' on the main page and then select 'QR Code Verify App', the following screen is shown

QR Code Verify App

	• Android	oios		
Enter Mobile No. :*			Submit	Exit
Enter OTP :			Verify OTP	

*It will be enabled only for Android user till now.

QR CODE APPLICATION

On successful installation of "E-invoice verification App", you can verify the invoice details by scanning QR Code App or by uploading signed JSON file in it.

Option on App is looks like as below:



Verify QR Code:-

This Option allows you to verify signed QR code by scanning it through this application and shows all the parameters related to the QR code

Verify Signed e-invoice:

This option allows you to upload signed JSON file and verify the digital signature i.e. same as done on IRP





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