



Assessment of GST IT Systems & Digital Platforms

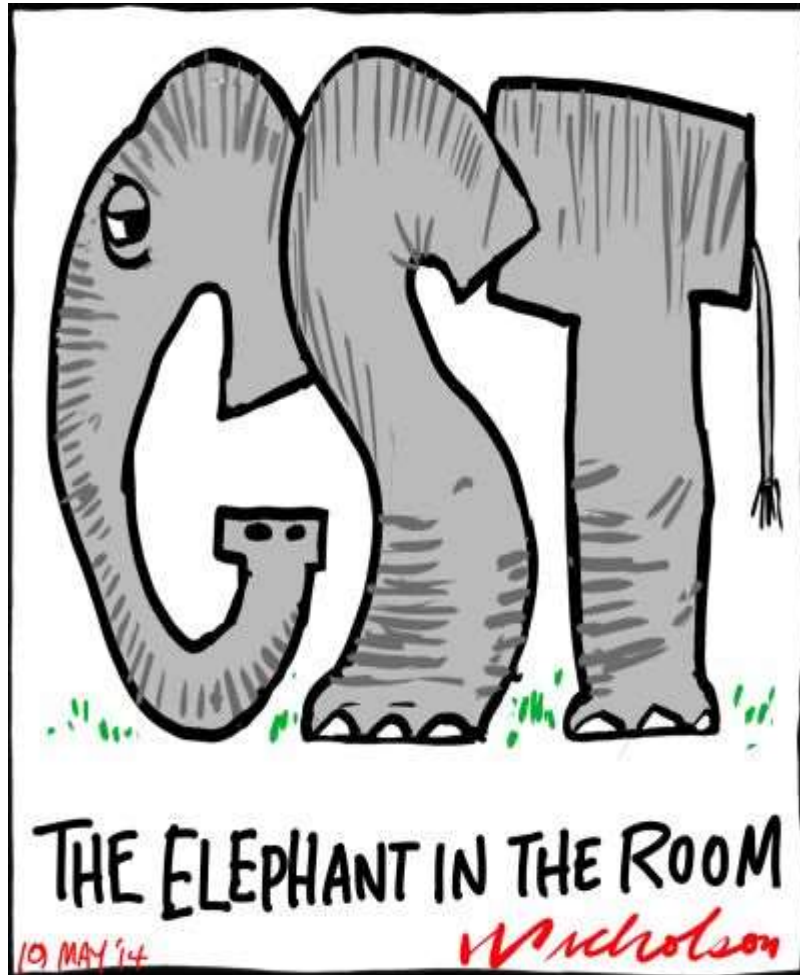
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Mobile: +9198440 41308
29.11.2022

Famous Quote!

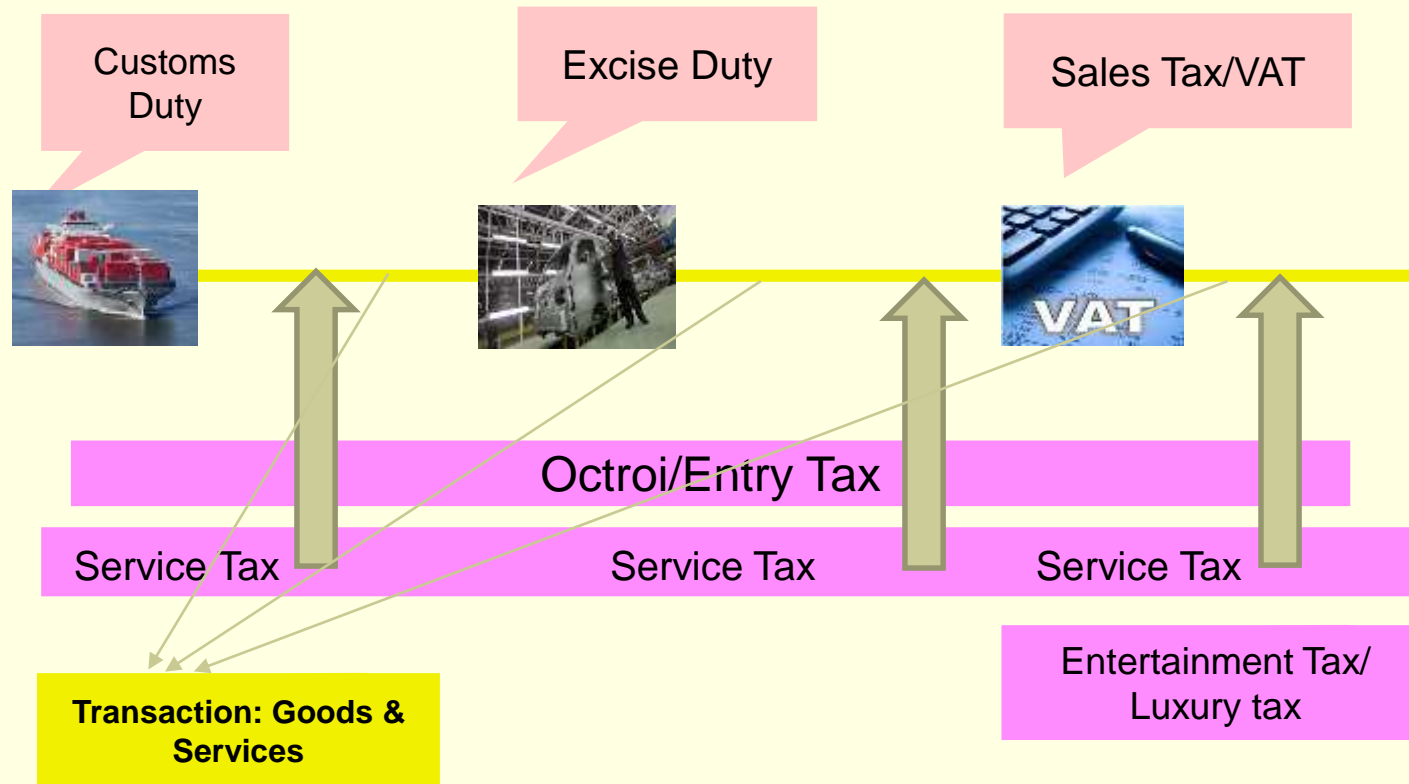
- *“If you fail, never give up because F.A.I.L means **“First Attempt In Learning”**. End is not the END, infact E.N.D means **“Efforts Never Dies”**, if you get No as an answer, remember N.O means **“Next Opportunity”**.”*

Dr APJ Abdul Kalam

Picture: Thousand Words



Taxes Subsumed under GST



GST IT Systems/ Platforms

[gst.gov.in](https://www.gst.gov.in)

<https://docs.ewaybillgst.gov.in/>

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

<https://gst.kar.nic.in/gstprime/>

Benefits of IT Platforms

Efficiency

Economical

Environmental

Ease of doing Business



Goods and Services Tax

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Please refer to the advisory on TRAN-1/2 forms in the news and updates section before filing TRAN Forms.

News|Updates

Advisories

Popular help topics

25/11/2022

Webinar on 'Filing of an Appeal by Taxpayers on GST Portal'

25/10/2022

Advisory on Filing TRAN forms for Taxpayers from Daman and Diu & Ladakh

[➔ How can I Opt for Composition?](#)[➔ How can I use the Returns Offline tool?](#)[➔ How do I apply for refund?](#)[➔ How do I file intimation about voluntary payment?](#)[➔ How to file an appeal?](#)[➔ How do I register with GST?](#)

SERVICES ON
gst.gov.in

Registration of Tax Payers

Return filing

Payments by Tax Payers

Refund Processing

Citizen Centric features

Tax Payers facilities

e way bill& e invoice Navigation

31, October, 2022

GST System Statistics

As on 31st October, 2022



1.40 Cr.

Registered Tax Payer



96.08 Cr.

Total Return Filed



303.84 Cr.

E-way Bill



1580 Cr.

Total Invoice Upload



49.73 Lakh Cr.

Payment Through the Portal
(Excluding IGST on Imports)



25.54 Cr.

Total No. of Payment
Transactions



24.85 Lakh

Highest Returns Transactions
in a day



9.55 Lakh

Highest Payment Transactions
in a day

Gross GST revenue collected

Fig in Rs. Crores

Months	F.Y.2018-19	F.Y.2019-20	F.Y.2020-21	F.Y.2021-22
April	1,03,459.00	1,13,865.00	32,172.00	1,41,384.00
May	94,016.00	1,00,289.00	62,151.00	1,02,709.00
June	95,610.00	99,939.00	90,917.00	92,849.00
July	96,483.00	1,02,083.00	87,422.00	1,16,393.00
August	93,960.00	98,202.00	86,449.00	1,12,020.00
September	94,442.00	91,916.00	95,480.00	1,17,010.00
October	1,00,710.00	95,379.00	1,05,155.00	1,30,127.00
November	97,637.00	1,03,491.00	1,04,963.00	1,31,526.00
December	94,726.00	1,03,184.00	1,15,174.00	1,29,780.00
January	1,02,503.00	1,10,818.00	1,19,875.00	1,40,986.00
February	97,247.00	1,05,366.00	1,13,143.00	1,33,026.00
March	1,06,577.00	97,597.00	1,23,902.00	1,42,095.00
Total	11,77,370.00	12,22,129.00	11,36,803.00	14,89,905.00



*“Well begun is
half done”*

.....Aristotle.

e-Initiatives Under VAT Regime

- e-Uploading of Sales and Purchase- August 2008
- e-CST forms-10.03.2010
- e-Payment-01.04.2010
- **e-SUGAM- 01.06.2010**
- e-VARADHI- VAT 120-15.07.2010
- e-VARADHI-VAT 100-05.08.2010
- e-VARADAN-01.02.2011
- e-PRERANA- 01.05.2011
- e-SUVEGA- 01.07.2011

e-Initiatives Under VAT Regime

- e-GRAHAK- 27.02.2012
- e-CAS-26.05.2012
- e-DCB-29.05.2012,
- e-CERM-21.07.2012
- e- Auto “C” Form-01.01.2013
- **e-UPaSS-29.04.2014**
- e-TDS- January 2016, e-Refund ?

Awards & Recognition-KCTD

- e-Sugam won the 'National e-Governance "Gold Award" for 2011-12
- CTD Karnataka won "Prime Minister's Award for Excellence in Public Administration' for 2012-13".
- Many states have replicated certain initiatives like 'e-sugam', 'e-suvega', e-payment, e-reconciliation.
- Promotion as "Best Practice" by GOI
<http://darpg.gov.in/>
- E-Governance Compliance level was 100%



GOODS AND SERVICES TAX E - WAY BILL SYSTEM

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E-Way bill system is for GST registered person / enrolled transporter for generating the way bill (a document to be carried by the person in charge of conveyance) electronically on commencement of movement of goods exceeding the value of Rs. 50,000 in relation to supply or for reasons other than supply or due to inward supply from an unregistered person.

Latest Updates: 07/10/2022

- Single sign-on (SSO) for e-Invoice and e-Waybill enabled.

Previous Updates

- e-Waybill for Gold will be available only after the notification is issued by Government.

11/04/2022

- 2 Factor authentication enabled
- Railway Receipt No. formats defined.

01/06/2021

- **New Releases - Enhancements in EWB.**

17/03/2021

- e-Way Bill cannot be generated with only SAC codes(99) for Services, minimum one HSN code belonging to Goods is mandatory.
- Vehicle type ODC is provisioned for transport mode 'Ship'
- Transporters are provided with Report of

E way Bill (As on 18.09.2022)

Wef 01.04.2018

More than Rs 50,000 value

300 Crores of ewb_INDIA

25 lakhs e way bill per day

42.5 lakh Tax Payers on Board

1 lakh Transporters on Board

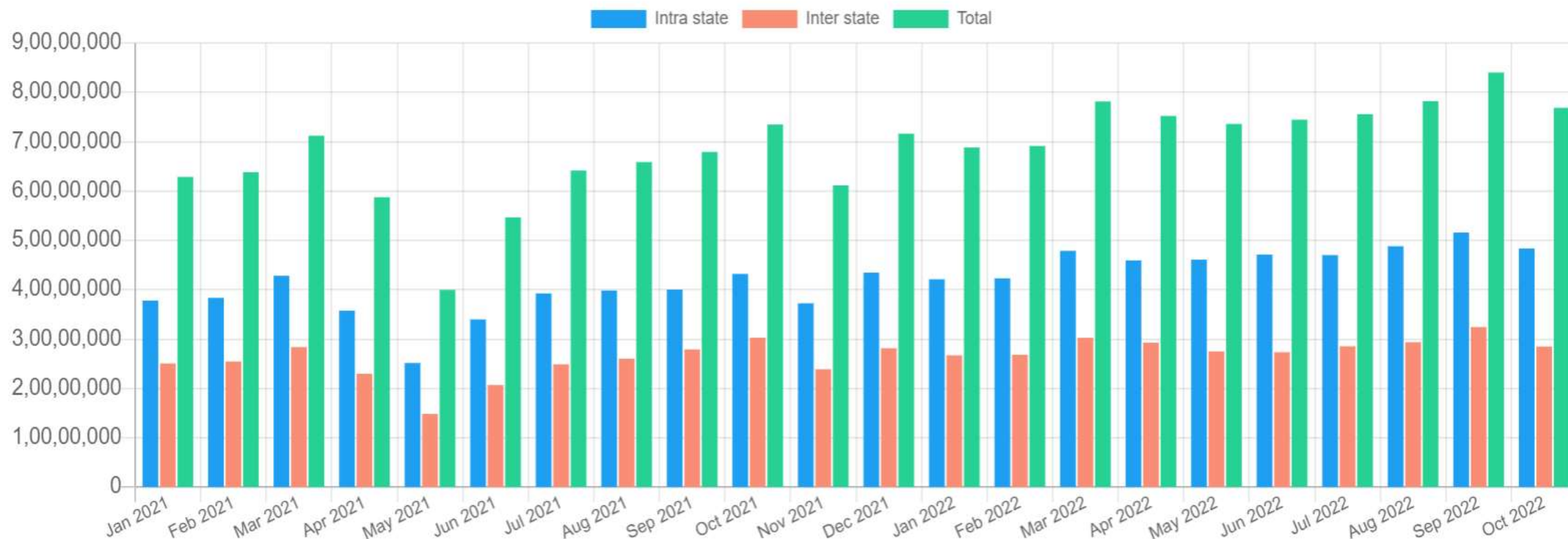
For Movement of Goods

Status As on 31.10.2022

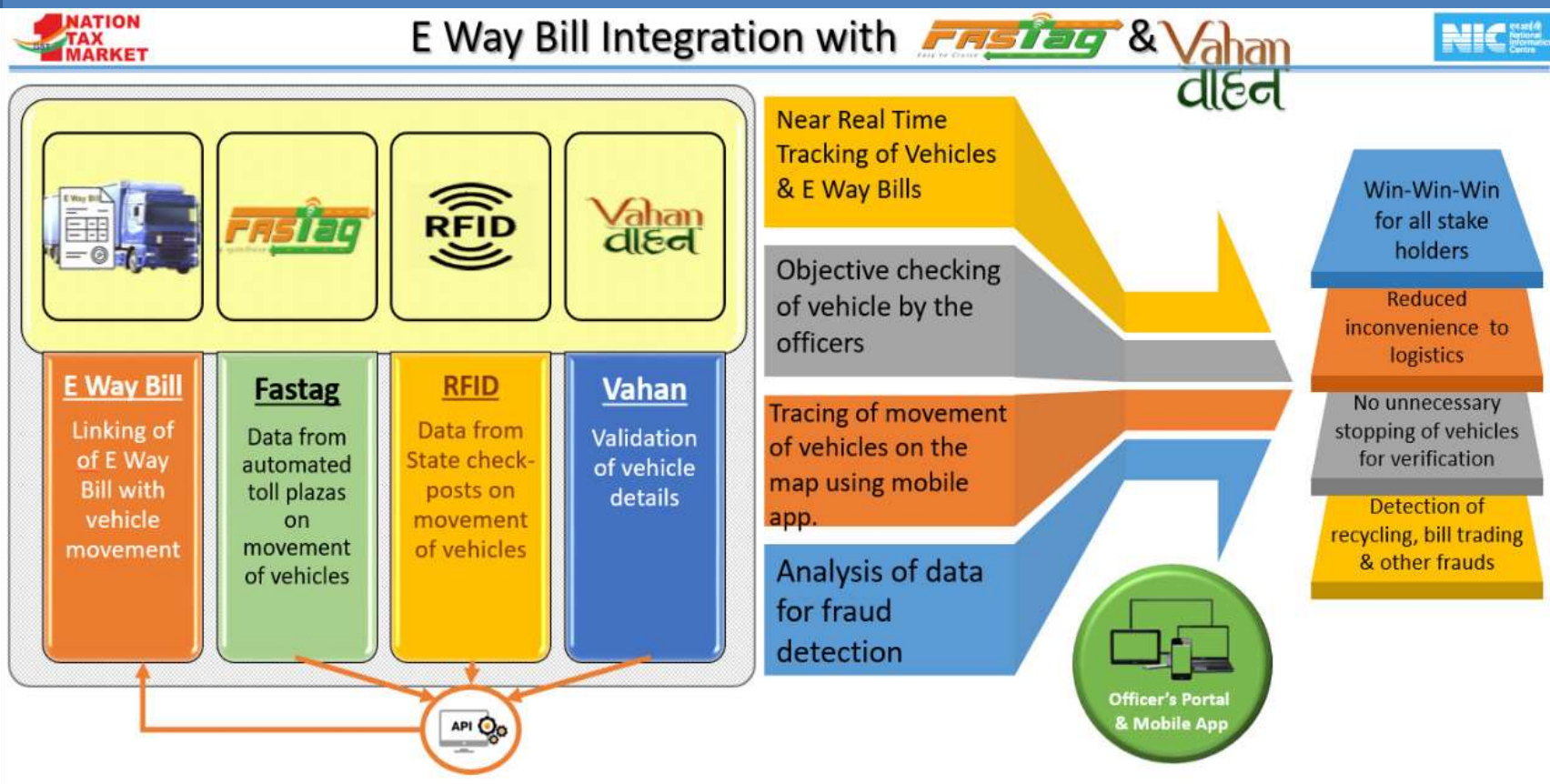
E-Way Bill Statistics

In Crores

As on 31st October, 2022



E Way Bill Integration with RFID





GOODS AND SERVICES TAX e - Invoice System


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As per the notification No. 17/2022 Dated :01-08-2022, e-Invoicing is mandatory for the taxpayers with annual turnover more than Rs.10 crores from



227
Crore
e-Invoices



New Features

- Single sign-on for e-invoice and e-way bill
- Enhanced security with 2- factor authentication
- Web and Mobile based user friendly tools
- Mobile App to verify QR-code and DSC
- Prediction of Tax Collection Based on AI

LATEST UPDATES

07
OCT
2022

- Single sign-on (SSO) for e-Invoice and e-Waybill enabled.

17
SEP
2022

- Updated version of e-Invoice QR Code Verify Mobile App. is available. [Please Click here to download.](#)

16
AUG
2022

- Taxpayers having TO more than Rs. 10Cr. are enabled in e-invoicing System. [Click here](#) for more details.

[Previous Updates](#)

The e-Invoice System is for GST registered person for uploading all the B2B invoices to the Invoice Registration Portal (IRP). The IRP generates and returns a unique Invoice Reference Number (IRN), digitally signed e-invoice and QR code to the user.



GOODS AND SERVICES TAX

e - Invoice System

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The notification No. 17/2022 Dated :01-08-2022, e-Invoicing is mandatory for the taxpayers with annual turnover more than Rs.10 crores from 01st 0



200 CRORE

e-Invoices generated in
22 Months

No. of Suppliers
3.05 Lakhs

No. of Recipients
89.5 Lakhs

e-Invoices generated in July 2022
13.21 Crores

IMPACT

- Auto generation of E Way Bill and GST Returns
- Improved tax Compliance and Collection
- Helps in Quick & Easy ITC settlements
- Elimination of fake invoices
- Economy indicator
- Ease of doing business
- Eco friendly
- Analysis & Predictions

"GST e-invoicing system has crossed another milestone in last 22 months by enabling generation of 200 crores of e-Invoices by 3.05 lakh tax payers on NIC portal."

NIC thanks all tax payers for supporting and contributing in this journey."

LATEST UPDATES

07
OCT
2022

- Single sign-on (SSO) for e-Invoice and e-Waybill enabled.

17
SEP
2022

- Updated version of e-Invoice QR Code Verify Mobile App. is available. [Please Click here to download.](#)

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2022

- Taxpayers having TO more than Rs. 10Cr. are enabled in e-invoicing System. [Click here](#) for more details.

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The e-Invoice System is for GST registered person for uploading all the B2B invoices to the Invoice Registration Portal (IRP). The IRP generates and returns a unique Invoice Reference Number (IRN), digitally signed e-invoice and QR code to the user.

As On 01.08.2022

As On 15.11.2022



**THANK
YOU
TAX
PAYERS**

NIC

**NATION
TAX
MARKET**

GIN

GST E-INVOICE SYSTEM

Reached another milestone



250 CRORE
e-Invoices Generated
In 25 Months

SUPPLIERS	RECIPIENTS
4.76 Lakhs	97.5 Lakhs

As per the notification No. 17/2022 Dated:01-08-2022, e-Invoicing is mandatory for the taxpayers with annual turnover more than **Rs.10 crores** from **01st October 2022**

Thursday, December 1, 2022

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

E Invoicing (Mile Stones)

01.10.2020: 500 Crore & above

01.01.2021: 100 Crore & above

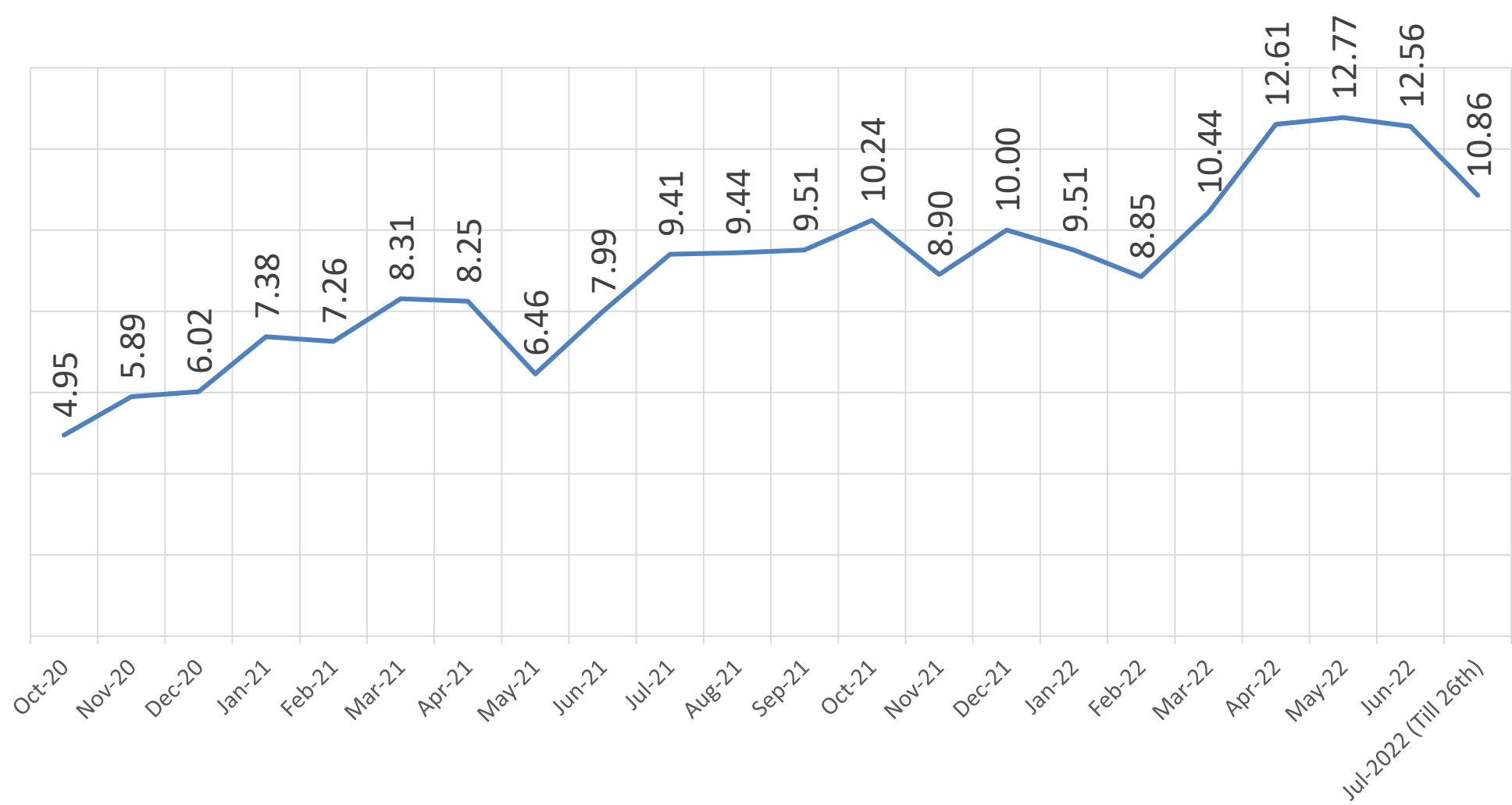
01.04.2021: 50 Crore & above

01.04.2022: 20 Crore & above

01.10.2022 : 10 Crore & above

01.01.2023 : 05 Crore & above ?

Monthly e-Invoices Generation (in Crores)



GST Prime 3

NIC-GST Analytical System

An eGovernance initiative of

24



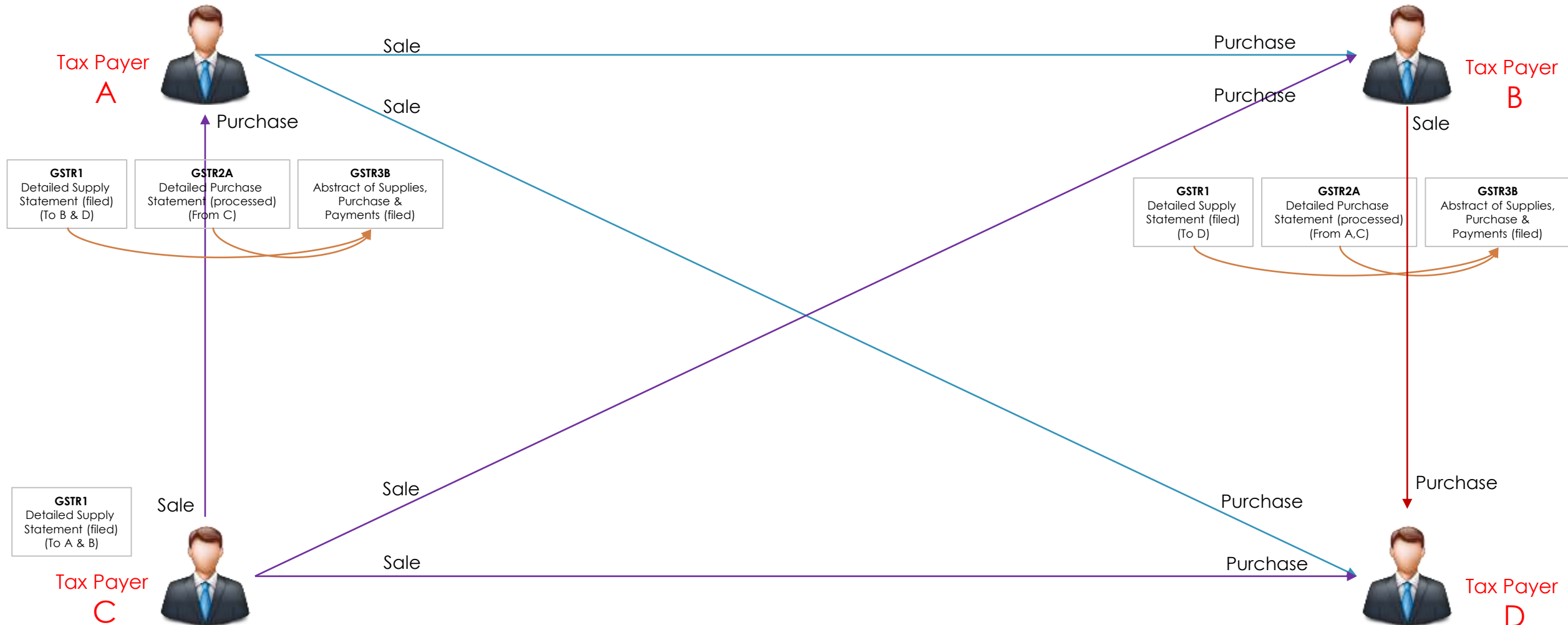
Commercial Taxes Department

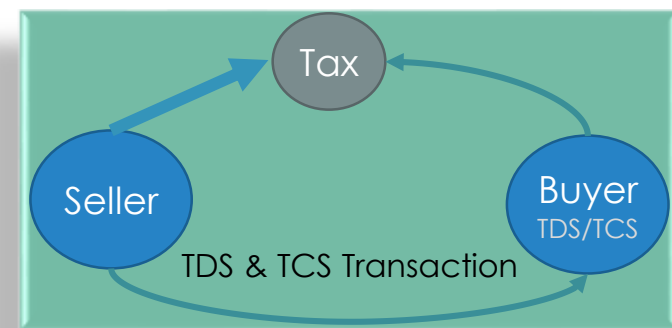
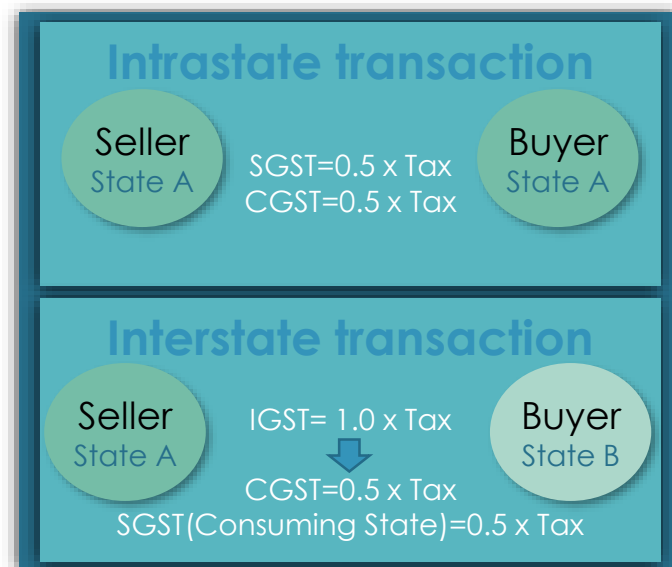
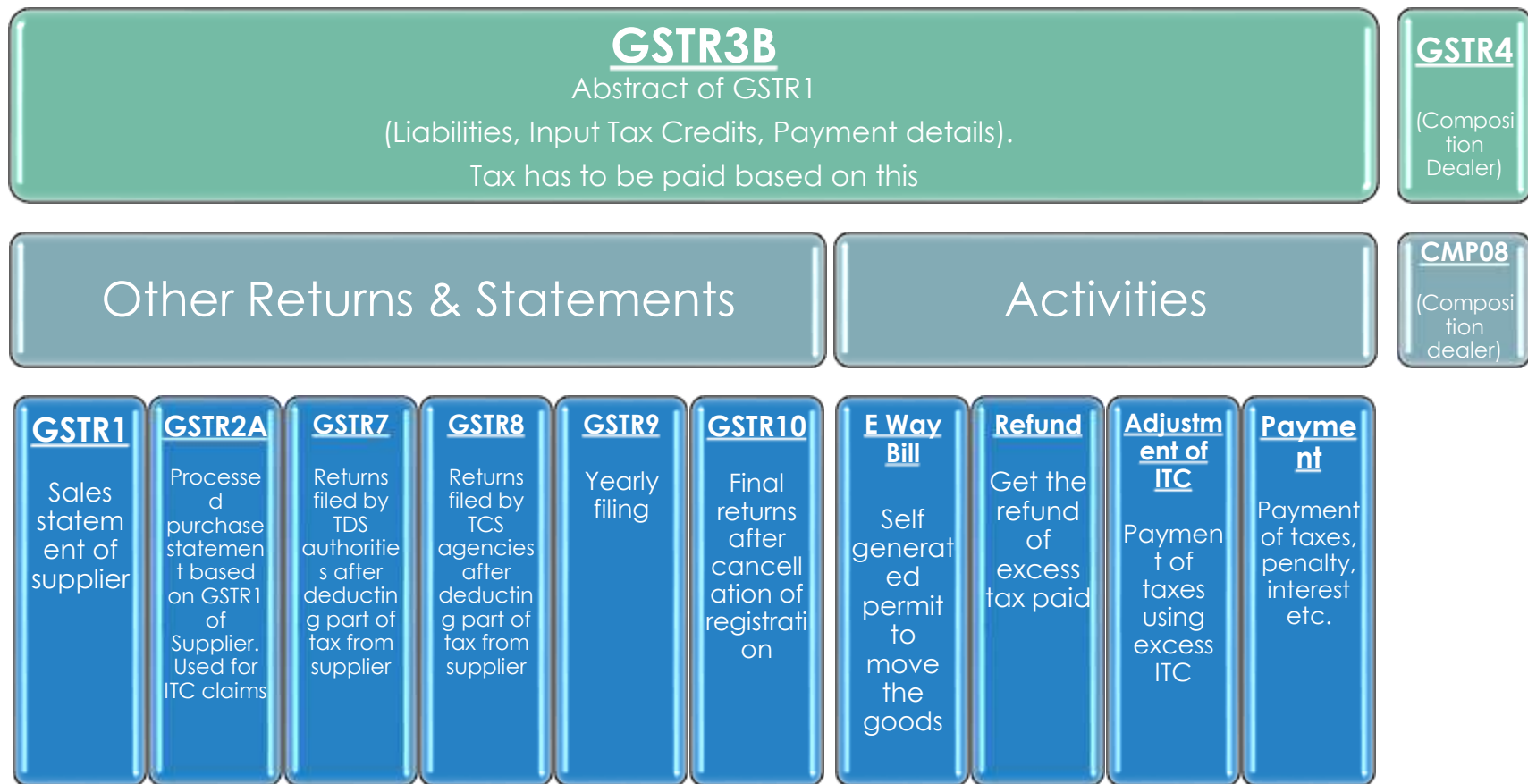
Government of Karnataka

By



KARNATAKA





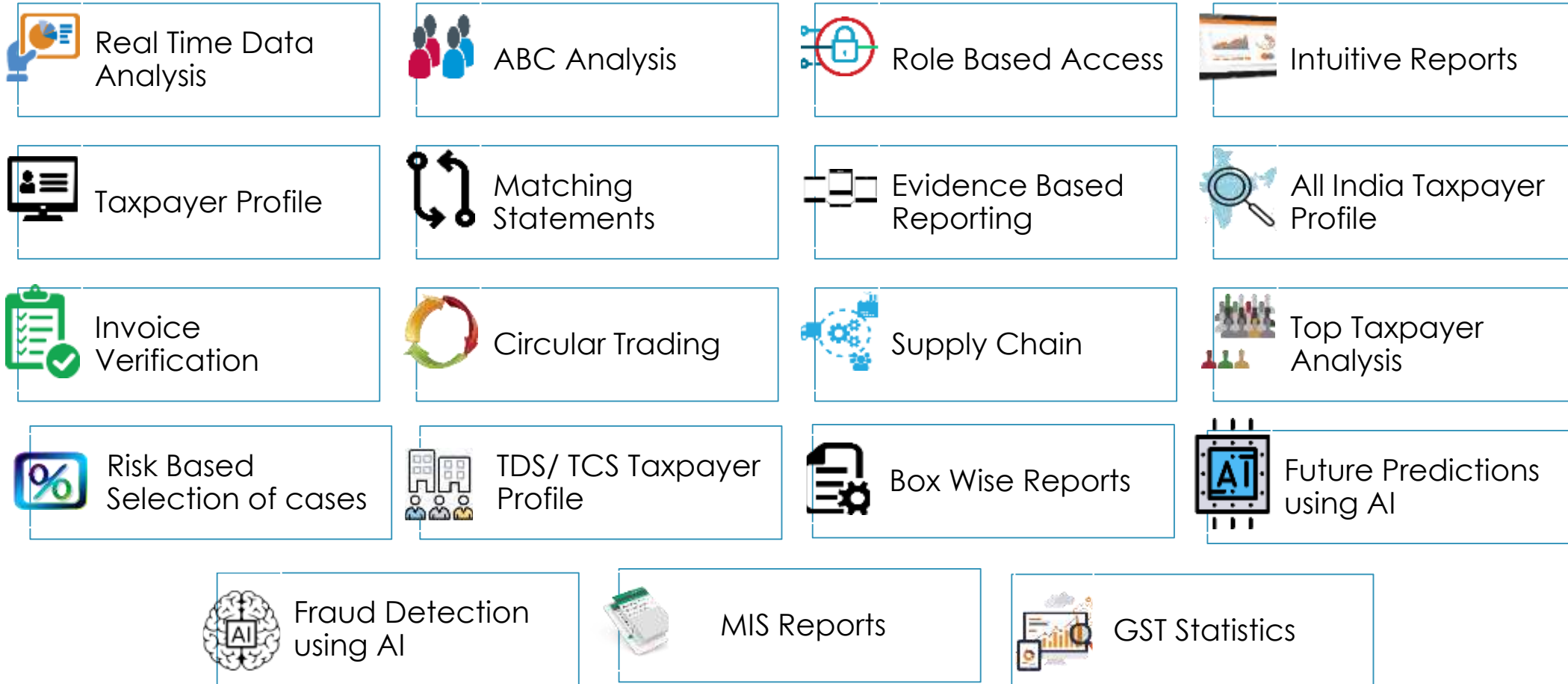


HOW GST PRIME WORKS ?



Data is synchronized on regular basis from the GST Common Portal and the E Way Bill System by consuming the appropriate APIs.

The synchronization is automated through the schedules and mechanism is in place to monitor the status of synchronization

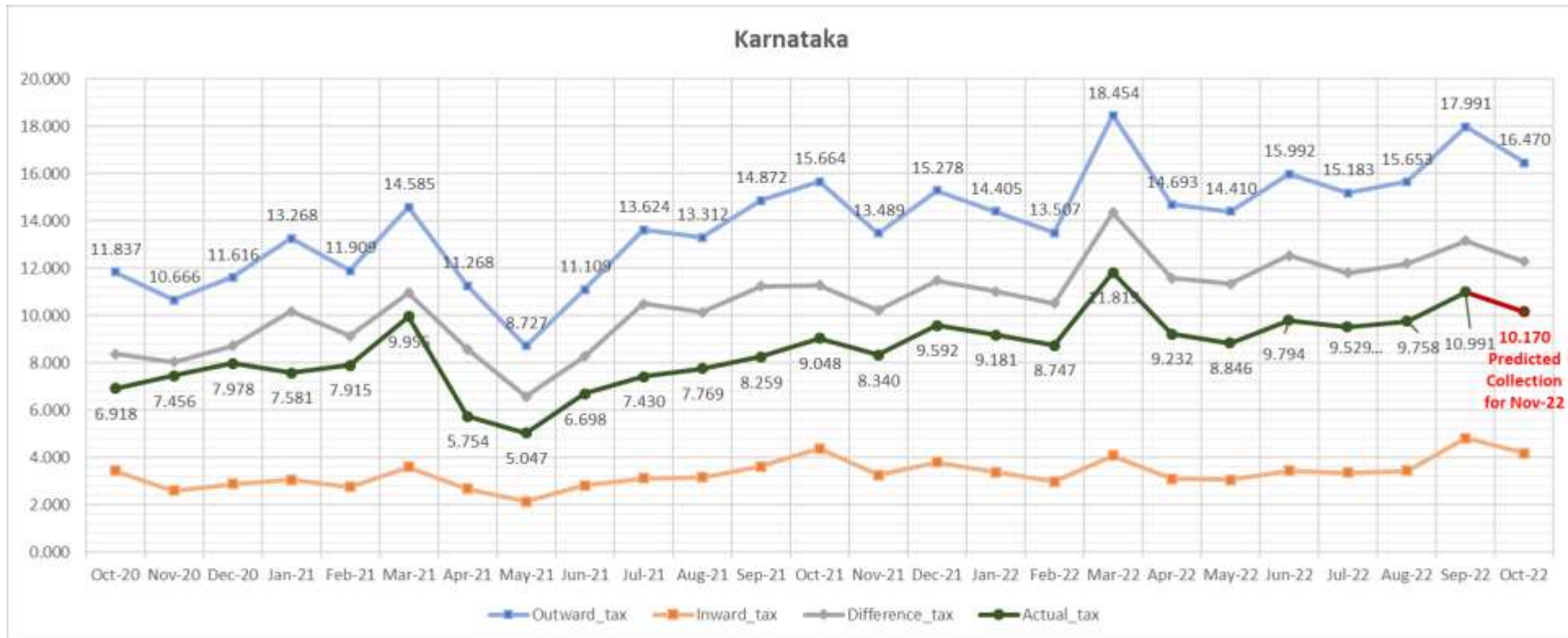


PREDICTION OF TAX COLLECTION BASED ON BUSINESS OF PREVIOUS MONTH

Prediction Algorithms

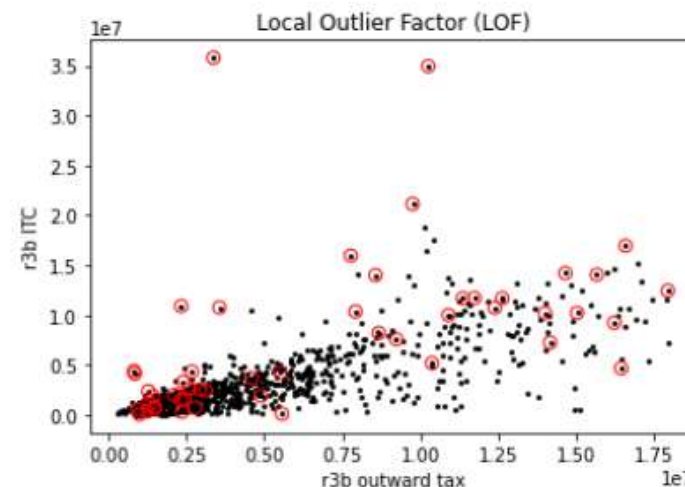
Linear Regression
Random Forest
Decision Trees
Ada Boosting
Ada Boosting with Random Forest

Collection Period	Tax Prediction (in Rs Thousand Crores)	Actual Tax Collection (in Rs Thousand Crores)
Aug 2022	9.53	9.58
Sep 2022	9.12	9.75
Oct 2022	11.1	11.0
Nov 2022	10.17	?



Fraud Detection Algorithms

- Clustering
- Local Outlier Factor
- PCA and inverse PCA



gstin	trade_name	office	r1_tax	r2a_tax	r3b_tcto	r3b_expto	r3b_outtax	r3b_exptax	r3b_revtax	r3b_etc	ewb_tcto	ewb_tax	r7_tcto	r7_tax	r8_tax
der-cond-1: [r3b_etc / (r3b_outtax * (1 + (r3b_expto / r3b_tcto)))] > 1.2															
29AAACW6445N2ZN	Way2wealth Commodities Pvt Ltd	LGSTO 130 - Bengaluru(130)	3124761.41	681843.93	17359788	0	3124761	0	347328	2602125	0	0	0	0	0
29AEPR5135H2Z9	N.Ramaiah Civil Works Contractor	LGSTO 38 - Bengaluru(38)	818481.6	3698565.6	6820680	0	818482.24	0	0	4409910.53	0	0	26671177	533423.54	0
29ABXPN1127D2ZG	B S Surendranath	LGSTO 045 - Bengaluru(45)	851420.74	4839605.08	6207154	271673	840998	0	0	4134386.66	0	0	0	0	17263.56
29AALFN2968B1Z1	New Era Constructions	LGSTO 091 - Bengaluru(91)	2333288.08	7507661.9	12952231	0	2333288	0	349806	10918505	18865	5282.2	0	0	0
29AALFP1103C1Z0	Pyramid Builders & Developers	LGSTO 152 - Bengaluru(155)	3556864.1	10784582.47	29640533.93	0	3556864.1	0	0	10757490.31	0	0	0	0	0
der-cond-2:r1_tax / r3b_outtax > 1.2															
29AADCB5912E1ZV	Brigade Properties Private Limited	LGSTO 140 - Bengaluru(140)	3363287.54	36602036.89	18684926	0	3363302	0	232215	35790958	225840	40651.2	0	0	0
29AACCM3490K2Z2	Impelsys Pvt Ltd	LGSTO 020 - Bengaluru(20)	36025851.66	25600958.15	54165644	759313459.6	9750979.62	18438006	6840	21138153.28	0	0	0	0	0
29AADCR3845C1ZF	Fire Luxur Developers Private Limited	LGSTO 180 - Kolar(180)	45145212.42	20042308.85	83792067	0	13235800	0	225720	5195495	0	0	0	0	0
29ADZPJ6933D1Z2	Senthuran Construction Company	LGSTO 17 - Bengaluru(17)	11925395.46	1294971.3	19701166	0	3559752	0	0	1375124	0	0	0	0	0
29AATFP5867B1ZN	Pgb Constructions Lip	LGSTO 121 - Bengaluru(121)	9796461.96	1729085.36	19143391	0	3068070	0	91962	1774999	0	0	0	0	0
der_cond-3:r3b_etc/r2a_tax > 1.2															
29AHFPR3287E1Z0	Dhanalakshmi Enterprises Stitching Unit	LGSTO 065 A - Bengaluru(66)	2424501.92	50854.54	46071113.95	0	2424509	0	0	265073.2	148052	0	0	0	0
29AAACW6445N2ZN	Way2wealth Commodities Pvt Ltd	LGSTO 130 - Bengaluru(130)	3124761.41	681843.93	17359788	0	3124761	0	347328	2602125	0	0	0	0	0
29AAHFP1620L1Z3	Pragrup	LGSTO 121 - Bengaluru(121)	2341977.66	108623.31	13010987	0	2341978	0	20364	294002	0	0	0	0	0
29AACCD7641R1ZX	Du Digital Technologies Limited	LGSTO 045 - Bengaluru(45)	1216661.8	341129.82	6759230	0	1216660	0	474580	757567.76	0	0	0	0	0
der_cond-4: ewb_tcto / r3b_tcto > 1.2															
29AAIFM8421D1Z9	Mascot Industries	LGSTO 070 A - Bengaluru(71)	1265344.62	329822.74	7855752	0	1239257	0	0	346402	94674791	1468683.96	0	0	0
29AKIPK6028N1ZL	S R Tech	LGSTO 080 - VTK-080(80)	994061.88	82418.98	5514094	0	992538.24	0	0	65576.06	20219672.47	0	0	0	0
29AAECN5005B1ZW	Np Kore Housing Solutions Private Limited	LGSTO 37 - Bengaluru(37)	4601046.04	3714958.3	25611297	0	4583261	0	0	3699695.02	21008469.92	3781524.7	0	0	0
der_cond5:[r7_tcto+r8_tcto]/r3b_tcto > 1.2															
29AEPR5135H2Z9	N.Ramaiah Civil Works Contractor	LGSTO 38 - Bengaluru(38)	818481.6	3698565.6	6820680	0	818482.24	0	0	4409910.53	0	0	26671177	533423.54	0
29ACEFS1093H1ZX	Sri Lakshmi Engineering Works	LGSTO 57 - Bengaluru(57)	2244287.48	2228524.76	18406650.29	0	2257042.96	0	0	1575609.74	70474.5	12685.4	28475881	569466	0
29AKTPN2673F1ZL	Sri.Narasimha Murthy	LGSTO 57 - Bengaluru(57)	998480.28	1017045.89	8320669	0	998480	0	0	743834	0	0	12741847	254834	0

Other Analytical Platforms

GAIN(BIFA)-GSTN


E Way Bill
Analytics-NIC


ADVAITHA-CBIC


← → ↻ gst.kar.nic.in

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 ಕರ್ನಾಟಕ ಸರ್ಕಾರ
ವಾಣಿಜ್ಯ ತೆರಿಗೆಗಳ ಇಲಾಖೆ
ಸಾರ್ವಜನಿಕ ಮತ್ತು ಸೇವಾ ತೆರಿಗೆ


 Government of Karnataka
Commercial Taxes Department
Goods and Services Tax (GST)



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Commercial Taxes Department

To build an atmosphere that encourages and incentivises self compliance of tax laws and to mobilize revenue in an efficient manner while maintaining equity.



> History > Mission > Citizen Charter > Organisation Structure

Latest Updates K-GAIN

Visits: 12,02,357 @
14.10: 04.10.2021

Challenges In Digitization



Uniformity of Data



Infrastructure
Support



Behavioral Changes
of Taxpayers



Outreach Activities



Adoption of IEC
Measures



Relationship with
Stake Holders

Final Thought



"Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do".

.....Pele

Thank You