

# Advanced stamp duty collection with seamless reconciliation & decreased revenue loss.

Introducing the upgraded B700 Version 2 Tax Meter Solution with proven smart, secure & verifiable technology.



Our state revenue departments struggle with prevalence of fake stamp papers, high collection cost and the consequent revenue loss to the Government.

The present system often face complications around procurement and availability, logistics and distribution, fraud and damage, delayed process in procurement from authorized centers, or a shortage of the required denomination. The offline system does not have tracking, and authentication / verification of the document. Common man cannot determine if he is being handed over authentic or fake stamp paper. All these factors could lead to potential loss of revenue or reputation for department. Citizen experience can also turn very poor if fraud happens to him.

Pitney Bowes has upgraded B700 Version 2 (Tax Meter) solution, which is built on proven encryption technology that ensures the secure creation and capture of documents and assets. We have incorporated high security features, which will prevent revenue leakage and provide convenient citizen services leveraging proven technology.

This initiative has enabled citizen services to pay stamp duty & obtain endorsement of the same in more than 11 states in the country, over last 19 years. Pitney Bowes' Secured Revenue Evidencing Solutions is helping states' governments in secured and seamless revenue collection; facilitating digital reach to the citizens to pay stamp duty in a convenient, simple & highly secured manner.

The new Tax Meter technology allows more tamper evident stamp papers than before. It has been topped with the following features:

- ▶ Indicia now has Micro dots in the background to distinguish between original and copy
- ▶ Indicia now has Signed Barcode for mobile verification or online verification
- ▶ Indicia can now capture user information
- ▶ Indicia is now of a Special Red Colored UV ink which glows against blue UV light.
- ▶ New Tax Meter has ability to upload funds and download funds in machine digitally.
- ▶ New Tax Meter has ability to send and synchronize all transaction data to central server for MIS.
- ▶ New Tax Meter has ability to send and synchronize through LAN and Wireless connectivity.
- ▶ New Tax Meter has ability to lock itself in case of no synchronization is done to server.
- ▶ SMS feature to citizen on every transaction is available as an optional feature.
- ▶ New Tax Meter allows department to deface a transaction data on the central server.
- ▶ New Tax Meter allows to search all transaction data with each unique transaction number combined with Date and Instrument type.

## Advantages of B700 Version 2 Tax Meter



Remotely controlled devices that are not network dependent



Less heavy on infrastructure



Tamper proofing and highly secure



Quick and user friendly (less than 1 minute to generate a certificate)



Adaptability in interiors



All transaction details captured and transmitted (MIS), Alerts possible (SMS + Email)



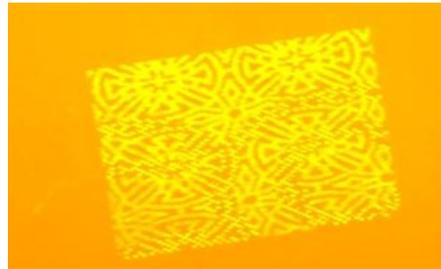
Can function in real time and near real time scenarios

# B700 Version 2 Tax meter solution combines the proven, patented, Cryptographic Vault technology of Pitney Bowes.

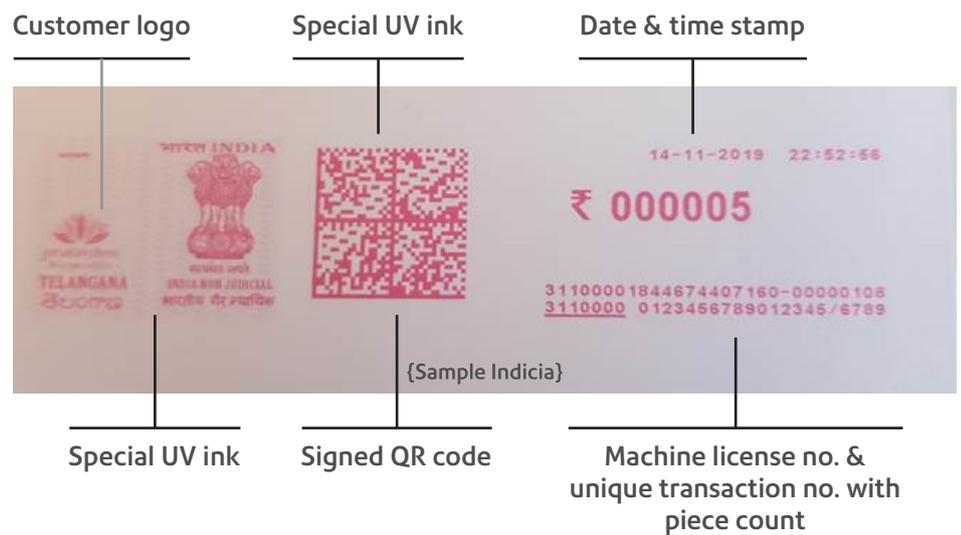
## Unique Security features include:

- ▶ Indicia glows under blue UV light.
- ▶ Microdots which can detect photocopy from original and scanned copies.
- ▶ Fluorescent Ink has UV Particles which makes it very difficult for photocopiers to duplicate the same color.
- ▶ Signed Barcode for verification using a special application.
  - Tamper-proof Cryptic 2D Code
  - Digital Signature & Secured data
  - Proof of issue
  - Integrity of Stamp Paper
  - Online Verification with unique transaction number
- ▶ SMS can be sent to the person who gets the Indicia Franked.
- ▶ All transactions are sent to the server so need to preserve tapes.
- ▶ All the MIS available at single click from Server.
- ▶ Based on unique stamp number allocated to each impression department can lock/deface the stamp for avoiding fraud.

Secured cryptic & unique digital signature based encryption, making every transaction unique, illuminated Indicia under UV light as below:



The proposed indicia of the stamp will print as below:



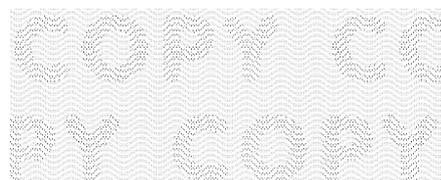
As technology advances amateur counterfeiting practices arise with individuals attempting to create Fakes out of system as a means of malpractice using copier and desktop publishing technology replicate documents.



Scanners and copiers have limits in resolution and color gamut, and by exceeding these limitations,

documents can be graphically protected in several ways. One of the most effective copy-resistant graphical techniques is to create a document background with a (self-cancelling) Void Pantograph that contains a hidden message.

When photocopied or scanned, the message shows up on the copy as a sample below:



### Verification and authentication

Secured multilevel verification process enables authentication at various levels



### Online Verification

Verification through web, without creating a centralized database to ensure privacy of customer data



### Mobile Verification

Smart phones (android or iphone) can download the app to verify documents



## Base Features of B700 Tax Meter

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1. Indicia Print with Red colored UV ink
2. Ability to print on booklets
3. Advance Revenue to Government - Prepaid Model
4. Offline Indicia Printing Possible
5. Water Resistant
6. Ability to print register report for fund balance and consumption
7. Verification of transactions offline



## Enhanced Features in B700 Version 2 Tax Meter

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1. Printing Red colored UV Indicia with micro dots enabling copy protect feature
2. Ability to upload funds and download funds in machine digitally
3. Ability to send and synchronize all transaction data per machine with date to the server
4. Ability to inform current balance funds available for download on Real time basis
5. Data synchronization with government servers through LAN or wireless connectivity
6. Synchronization of transaction at user's will and at least once a day to be connected
7. Online verification through signed Barcode
8. SMS broadcast feature to the 1st / 2nd party on every transaction (optional)

Operational efficiencies include:



No need to carry physical machine



Digital fund depositing



Most secured Indicia



Advance collection

# Secured Funds Management

All licensed users must be able to deposit an amount through a pre-designated treasury voucher with the designated bank. Once the IGR receives the funds credit information in state treasury, the application allows them to credit data of funds received to Pitney Bowes data center. When the users of solution connect to the PB data center the funds are loaded on to their new Tax meter.

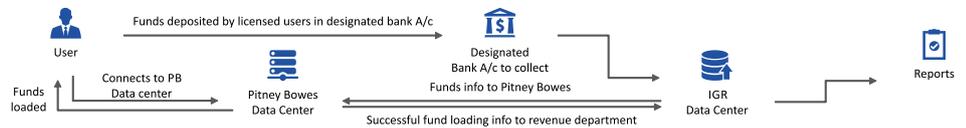
## System for Funds Transfer Management & Reconciliation:

Stamp duty collection involves a large amount of revenue for the state government. It is critical that any system that is involved in the process of issuing stamp duty must keep accurate record of all transactions that flow through it. It must also be able to provide audit trails and reconcile with any other financial system that may be outside the boundary of this system.

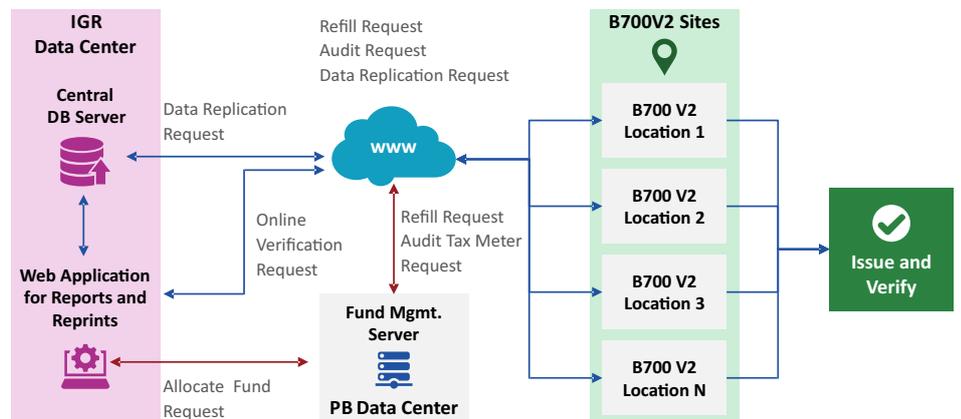
The process of loading each Tax Meter must be controlled from a central Tax Meter management system (as outlined in the architecture diagram). In order for the Tax Meter to be loaded, approved personnel would be able to load the desired amount in each Tax Meter. This is accomplished by using the Secure Funds Transfer Network. This network must interface with approved financial institutions that have been approved by the state government to collect funds on their behalf.

The Tax Meter is loaded with a certain revenue amount that it can

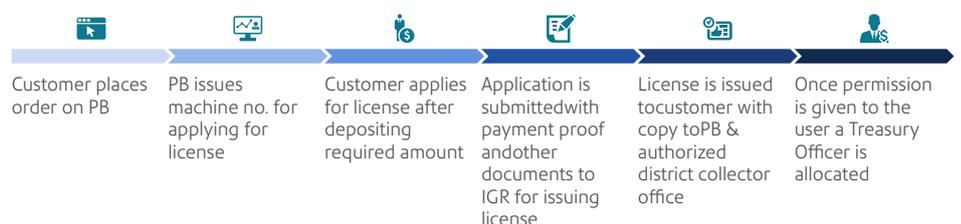
### High level overview of the system:



### The proposed deployment schema:



### Proposed machine license process:



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