A presentation
By
SeMT

Tamil Nadu e-Governance Agency
(TNeGA)

eAdangal Application (e-District)
Date: 1-May-2019
Tamil Nadu – Agricultural Background

2nd Largest economy in India.

21% Contribution to State GDP.

5.57 million hectares - Total cultivated area.

- Fifth largest producer of rice.
- Largest producer of Banana, Turmeric, Flowers & Tapioca.
- Second largest producer of Mango, Natural Rubber, Coconut, Groundnut.
- Third largest producer of Coffee, Sapota, Tea and Sugarcane.
**Introduction to Adangal**

Adangal data is the main input for all agriculture productivity related forecasting and policy making at both National and State Level.

Adangal data is used for disbursing relief funds to farmers during drought/flood etc.,

Multiple village accounts such as 1, 1A, 2C, 2D, 2F, 7 and G-returns are written based on the Adangal record.

<table>
<thead>
<tr>
<th>Registers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Register 1</td>
<td>Monthly harvesting in villages</td>
</tr>
<tr>
<td>Register 1-A</td>
<td>It is a brief description of the different crop cultivated and yield value. The details of the water covered, uncovered areas should be separated from column 2 to 10 separately</td>
</tr>
<tr>
<td>Register 2-C</td>
<td>Count and records of trees in the Govt. Poramboke land</td>
</tr>
<tr>
<td>Register 2-D</td>
<td>This is the account that shows the details of the village's irrigation area 1. River irrigation systems and lakes 2. Well</td>
</tr>
<tr>
<td>Register 7</td>
<td>Details of the encroachment of purambokku land</td>
</tr>
<tr>
<td>G-Return</td>
<td>The consolidation of all village accounts which consist of the crop detail, irrigation source, mode of pumping, extent of cultivation, other land details and its usages.</td>
</tr>
</tbody>
</table>
Current Process – Pain Points

Manual data collection, consolidation and analysis of the data covering the entire state.

Same data is collected by different departments and reconciled as there is no digitized data that can be accessed by all departments.

Multiple levels of aggregation and consolidation of the data into meaningful information is time consuming.
**e-Adangal Snapshot**

The e-Adangal application is developed by TNeGA for Revenue and Disaster Mitigation Department which simplifies the process of making entries in Adangal and its maintenance by the VAO, thereby bringing in digitization and simplification of the entire process.

- **eAdangal**
  - Physical form of Adangal converted to electronic form as e-Adangal

- Facilitate the farmers to report the details of crops and get certified copy of Adangal extract online on payment

- Automatically generate 1, 1A, 2C, 2D, 2F, 7 and G-returns
eAdangal Potential Impact/Benefits

**Enablement**
- Farmers can directly make the entry pertaining to their land.
- Directly download Adangal extract on payment
- Benefits 68 lakh farmers.

**Automation**
- Automated data reconciliation between department.
- Automatically generation of various village accounts.

**Efficiency of Service Delivery**
- About 50% reduction in work for all stakeholders.
- Benefits Revenue, Agriculture, Horticulture, Sericulture and Statistical Department officials.
- Directly download Adangal extract on payment
- Benefits 68 lakh farmers.
eAdangal Potential Impact/Benefits

Ease of Village Account/Report Generation (g-Returns, 1, 1A, 2, 2C, 2D, 2F, 7).

Increase accountability and efficiency on the department officials and enable easy monitoring by higher authorities.

Statewide crop yield data – Potential Analysis and data-driven decision making

Increased Data Authenticity – Real time – Crop mismatches are escalated to RI/DT systemically

Help to design both National / State Level policy decision

Ensuring Transparency by empowering Farmers
Sample Screen Shorts
### Farmer Entry

**COMMISSIONERATE OF REVENUE ADMINISTRATION & DISASTER MANAGEMENT**

**DINESH**

- Home / Land Entry
- Select District: Krishnagiri
- Select Taluk: Denkanikottai
- Survey No: 1000
- Sub Division: 1
- Name of Land Owner: Name

*Note: Owner name should be same as Patta/Pattadhar in勘查/公顷*

**Search**

<table>
<thead>
<tr>
<th>Survey No</th>
<th>Sub Division No</th>
<th>Patta No</th>
<th>Total Extent(in Are)</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>1</td>
<td>2528</td>
<td>54</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**Classification of the Land**
- Dry

**Logout/Logout**
Officers Dashboard

COMMISSIONERATE OF REVENUE ADMINISTRATION & DISASTER MANAGEMENT

Dashboard / Zone / Pitha / Village

- Village
  - Total Patta Nos: 1655
  - Survey Nos: 533
  - Sub Division Nos: 472
  - Total Extent: 534.29 Ha
  - View Details
  - Crop Entry

- Crop Entry:Dy Thasildar
  - Entered Patta Nos: 0
  - Pending: 1655
  - Survey Nos: 0
  - Total Extent: 0.00
  - View Details
  - Crop Entry

- Crop Entry:VAO
  - Entered Patta Nos: 4
  - Pending: 1651
  - Survey Nos: 4
  - Total Extent: 16.00
  - View Details
  - Crop Entry

- Crop Entry:AO
  - Entered Patta Nos: 2
  - Pending: 1653
  - Survey Nos: 2
  - Total Extent: 18.00
  - View Details
  - Crop Entry

- Crop Entry:AHO
  - Entered Patta Nos: 0
  - Pending: 1655
  - Survey Nos: 0
  - Total Extent: 0.00
  - View Details
  - Crop Entry

- Crop Entry:RI
  - Entered Patta Nos: 1
  - Pending: 1654
  - Survey Nos: 1
  - Total Extent: 6.00
  - View Details
  - Crop Entry

- Crop Entry:HO
  - Entered Patta Nos: 0
  - Pending: 1655
  - Survey Nos: 0
  - Total Extent: 0.00
  - View Details
  - Crop Entry

- Crop Entry:Farmer
  - Entered Patta Nos: 7
  - Pending: 1648
  - Survey Nos: 7
  - Sub Division Nos: 5
  - Total Extent: 76.00
  - View Details
  - Crop Entry

- Mis-Matches
  - Survey Nos: 1
  - Sub Division Nos: 1
  - Total Resewn: 0
  - View Details

Deputy Tahsildar/சூர்யான்மை
- Dashboard/தக்ஸில்தர்
- Crop Entry/செயல்
- e-Adangal Report/ஆடங்கல்
- G Return Report/கிகை
- Form 1 Report/சுருக்கல் 1
- Form 1A Report/சுருக்கல் 1A
- Form 7 Report/சுருக்கல் 7
- Form 2C Report/சுருக்கல் 2C
- Form 2D Report/சுருக்கல் 2D
- Form 2D Wells Report/சுருக்கல் 2D
<table>
<thead>
<tr>
<th>S.NO</th>
<th>District</th>
<th>Taluk</th>
<th>Village</th>
<th>Survey No</th>
<th>Sub Division No</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>1</td>
<td>1</td>
<td>Select</td>
</tr>
<tr>
<td>2</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>1000</td>
<td>1</td>
<td>Select</td>
</tr>
<tr>
<td>3</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>1000</td>
<td>1</td>
<td>Select</td>
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<tr>
<td>4</td>
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<td>2A</td>
<td>Select</td>
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<tr>
<td>5</td>
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<td>உதாரணமானது</td>
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<td>1001</td>
<td>2A</td>
<td>Select</td>
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<tr>
<td>6</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>1005</td>
<td>2</td>
<td>Select</td>
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<tr>
<td>7</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>உதாரணமானது</td>
<td>1010</td>
<td>1</td>
<td>Select</td>
</tr>
</tbody>
</table>
Mobile App
Mobile Login
**Land Entry**
## G Return Report

**District Revenue Officer/தொடர்பு வழங்குநர்**

**REVENUE ADMINISTRATION, DISASTER MANAGEMENT & MITIGATION DEPARTMENT**

### G Return Report

**Select District**
- Tiruvallur/திருவள்ளூர்

**Select Taluk**
- Madhavaram/மாத்வாரம்

**Select Village**
- Kadirvedu/காதிர்வேடு

**G Return Type**
- Part (g) Canals Kamlal and

**G Return Type**

<table>
<thead>
<tr>
<th>SLNo</th>
<th>Irrigation Source</th>
<th>As per Last Fasli</th>
<th>Dug in Current Fasli</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Canal</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>No.</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td></td>
<td>Length (km)</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td></td>
<td>Total (No.)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>Kanmal / Tanks / Ponds (Ayacut)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>&gt; 40 Hec</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>&lt; 40 Hec</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>Water Bodies</td>
<td>0</td>
<td>0</td>
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</tbody>
</table>

### Generate PDF
Output Certificate

<p>| | | | | | | | | | | | | | | | |</p>
<table>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>2.00</td>
<td>0.00</td>
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Thank You!