

Manual on e-Adangal Application.

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1. Introduction

Historically, Tamil Nadu is an agricultural economy though it lacks perennial rivers and relies primarily on monsoonal rains and release of Cauvery water from the upper riparian States. The agricultural performance is creditable primarily due to the progressive farmers who adopt the changing technologies. Over the years Tamil Nadu has become highly industrialized and urbanized, yet agriculture plays a significant role in the economy of Tamil Nadu.

'Adangal' the 'Cultivation register' is maintained manually by the Village Administrative Officer (VAO) in every village. As a part of their duty the Village Administrative Officer inspects, each and every field in his jurisdiction and makes entries of crops cultivated in the Adangal. The crop data is to be recorded every season by the concerned Village Administrative Officer. The 'Adangal' register captures the details of all types of crops raised in the land, name of the cultivator, assessment, soil classification, and its usage including the details of nature of crops grown, trees standing on all Government lands (whether under tree tax system or not), cases of unauthorized occupation of Government lands, lands used for non-agricultural purposes etc.,

Adangal provides vital data for formulating agricultural policies and is instrumental for consolidating the crop wise agricultural production at Village/ Taluk/ District and State-level. The entries in the Adangal are critical to the farmers based on which various services are extended to them including crop loan, input subsidy, insurance etc. It also plays a vital role in assessment of crop wise damages and its area during disaster based on the yield loss captured in individual field.

The Higher authorities in the Revenue Department super check the entries made in Adangal to ensure authenticity of the crop entries made by the Village Administrative Officer in the Adangal. Simultaneously, the other stakeholders like Agriculture, Horticulture, Sericulture and Statistical department officials are consulted by the Revenue officials to capture crop

details accurately. A monthly meeting is conducted by the revenue authorities with the officials of different departments at various levels for reconciliation of the crop data recorded. At the district level reconciliation meeting, the crop data will be finalized. Thereafter, the copy of Adangal extract showing the crop details in the survey numbers owned by the Farmer will be issued to them for their uses.

1.1 Importance of Adangal:

The Adangal register is an important Village Account as it captures the statistical data relating to agriculture, like land use pattern, details of crops cultivated, extent of crop cultivated, extent of irrigated land, source of irrigation, net and gross irrigated land area, net and gross cultivated land area, productivity etc., which will be used by the Government in policy formulation for various Government Schemes and also for budgetary allocations.

Adangal register is one of the main sources of data for preparing land use maps and it enables the study of land use changes over the years. Adangal is also useful for administrators, planners and policy makers to get data immediately regarding land use, cropping pattern, yield levels and damages to crops due to various disasters. Adangal is a revenue record, which also bears details of ownership and tenancy.

The data captured in the Adangal register is helpful to the Government for effective administration in the following ways,

- The Adangal data is the basic data helpful in knowing the exact status of crop production under each crop which is an important requisite for calculating the Food grain Production of the state.
- Adangal extract is an essential document for determining the eligibility of the farmers to avail the benefits provided under Central and State Government schemes such as,
 - Sub-Mission on Agriculture Mechanisation (SMAM)
 - National Food Security Mission

- National Agriculture Development Programme
- National Mission on Sustainable Agriculture.
- The statistics of location wise, crop wise, area wise and irrigation source wise data of cultivation are essential for the Government in location / region specific planning.
- Crop wise area coverage data is mandatory for calculating the compensation for a crop in that village based on the comparison with insured area of that village.
- The data will also be helpful to the Government to advice the farmers to go for alternative crops taking into account the impacts of climate change.
- The data collected also helps the Government in formulating strategies for the extension programmes.
- The Adangal data enables easy enumeration for providing relief assistance during the periods of Natural calamities like flood, drought etc.,
- The data collected through Adangal will be helpful to the Government in formulation of agricultural policies and for effective budgetary allocations.

Apart from the Adangal register i.e., Village Account No.2, the Village Administrative Officer with the help of data captured in the Adangal, also maintains other village accounts such as Village Account No.1 (Monthly cultivation details), Village Account No. 1A (Abstract of Monthly crop wise cultivation details), Village Account No. 2C (Trees in Government Poramboke), Village Account No. 2D (Irrigation details), Village Account No. 2F (Forest, Plantation, cultivation and fallow land details), Village Account No. 7 (Details of encroachment in Government Poramboke Land) which are again written manually.

The data recorded in the Adangal register is essential and useful to the farmers in particular for various purposes. Extract of the Adangal is useful for the farmers to avail the following services:

- To avail Government subsidy for purchase of farm equipment, Fertilizers, Seeds etc.,
- To avail crop loan from banks to reduce the risk of getting trapped in the hands of money lenders and big landlords.
- To secure permission for digging a well, securing Electricity connection etc.,
- To receive insurance claims for crop failure during the time of disasters like flood, drought etc.,
- To enrol in crop insurance scheme and for determination of premium payment (based on the total area recorded in the Adangal).
- To determine the farmers eligibility for availing subsidy under the micro irrigation scheme(drip irrigation systems) etc.,

1.2. Need for modifying the existing System:

- As G-Return is generated only on yearly basis, the entire picture of crop cultivation is available once a year only.
- The crop cultivation data is manually reconciled every month leaving scope for inaccuracies, besides the laborious exercise of compilation.
- The details of the cultivation area under a particular crop in a particular season / location is very difficult to be obtained as all the entries are recorded and maintained in a manual register which cannot be filtered and extracted as it involves a massive time consuming process.
- The data recording in the Adangal register is a laborious task and the details of crop cultivated has to be manually recorded multiple times in the various registers like Account No. 1,

Account No. 1A, Account No. 2C, Account No. 2D, Account No. 2F etc., which is a time consuming and exhaustive process besides leaving scope for errors. Moreover, detection of errors is very time consuming and equally laborious.

- Due to manual maintenance of Adangal, accurate year wise analysis of data with respect to the crop cultivated or area under different crops will be a very difficult task.
- Manual maintenance involves time and labour on repetitive tasks. Due to the reasons mentioned above, the reliability of crop cultivation data becomes doubtful. In the absence of reliable data the policy formulation and planning will be impacted adversely.

In spite of the significance of the Adangal and its criticality in protecting the interest of the farmers, in the existing system of capturing crop cultivation data, the farmers have no role for providing input data to the Adangal register. As a result of which the interest of farmers is completely ignored and they have to seek their grievances redressed by appealing to higher authorities. In addition the farmers have to depend on the Village Administrative Officers for getting a copy of Adangal extract for his own land, each time he seeks services / benefits offered by various departments of the Government.

In view of the above deficiencies / drawbacks in maintenance of the Adangal manually, there is a need for digitization of the Adangal.

1.3. Digitization of Adangal and Empowerment of all StakeholdersThe way forward:

In order to improve the reliability of the cultivation account, there is a need for digitization of the Adangal, besides empowering all stakeholders for making a contribution in ensuring accuracy details of crops cultivated. The proposed system has been conceived to realise the benefits listed below:

 To simplify and ease the function of the officials especially the VAO in capturing the details of crops raised and making entries in Adangal

- register and thus save time and energy and enhance the quality of recording by them.
- To protect the interest of the farmers, there is a need to empower them as one of the important stake holder in the process of compiling information of crops cultivated, by facilitating them to post the details of crops raised by them.
- To develop a common platform for all stakeholders to generate a single database for the entire State with respect to crop cultivation details.
- To enhance the quality and speed of reconciliation of the data collected by different departments by enabling an automated reconciliation of the data.
- To improve the existing system by incorporating effective monitoring system and thus to bring accuracy in the system.
- To provide access to farmers to the data of the crops cultivated and enable them to download the extract of Adangal from anywhere and at any time based on payment of prescribed fees.
- To promote transparency and accountability in the system.
- To facilitate easy enumeration and disbursement of relief to the farmer during the times of disaster besides promoting accuracy.
- To facilitate real time monitoring of maintenance of various village records, to enhance quality of data and accountabilities of Government functionaries.
- To generate highly reliable data for policy formulation, planning and implementation of the different programmes to serve the farmers effectively and efficiently.

In order to simplify the process of recording cultivation data in Adangal register by the Village Administrative Officer, to enable the farmers to post the details of crops raised by them in Adangal and for automatic reconciliation of crop data, Government have decided to convert the physical form of 'Adangal' to electronic platform as 'e-Adangal' and also to enable all stakeholders to contribute to the compilation of cultivation data.

1.4. Salient features of the e-Adangal application:

The 'e-Adangal' application has been designed in such a way to protect the interest of the farmers and to empower them as one of the important stake holder in the process of crop cultivation assessment by providing them an opportunity to register the details of crop raised by them. The details provided by the farmers will be very useful to the Village Administrative Officer as it helps them to get firsthand information of the crop raised and also helpful to inspect the field and make crop entries immediately and accurately.

- The e-Adangal application facilitates the farmers to make entries of crop raised by them in their agricultural field and captures the authentic information necessary for Government.
- The application brings more transparency in Government process by enabling the farmers to view cultivation details free of cost and download the 'e-Adangal' extract anytime and anywhere on payment of a fee once the monthly G-Return is approved.
- In order to protect the interest of the farmers, whenever there is a
 mismatch between the entry made by farmer and the entry made by
 the Village Administrative Officer, the application automatically refers
 the mismatch for 100% verification by the immediate higher
 authority.
- The application also captures the picture/image of the land along with the details of Survey No., Date and Time of entry and the GPS coordinates which are embedded in the picture.
- The application simplifies the existing process by bringing all the necessary details in a dropdown feature for selection thereby easing the work of Village Administrative Officer and also by providing them a provision to access the information entered by the farmer.
- The application also paves way for the higher officials to monitor the entire work done by their subordinates and also facilitates them to make entries of crop raised in the field, thereby ensuring the reliability of crop data collected and enabling effective supervision.

- The application will help to ensure transparency in administrative process as well as accountability of the officials involved in this process.
- The application facilitates other department officials to make entries in a separate window of the application regarding the crop raised within their jurisdiction, thereby helps in automatic reconciliation of the crop data and eliminates the manual process of reconciliation. Field level mismatches can be detected & referred automatically to the higher level Revenue authorities for field verification and for the final decision by them.
- This application will also help the revenue officials to generate automatically the other accounts such as,
 - Account No.1 Monthly Cultivation Account.
 - Account No.1A Crop wise Abstract of Monthly cultivation.
 - Account No.2C Trees in Government lands.
 - Account No.2D Irrigation details of the lands in a village.
 - Account No.2F Classification-wise land abstract.
 - Account No.7 Details of Encroachment in Government lands.
 - G-returns.
- The data reliability will strengthen agricultural department's policies relating to inputs, seeds, crop diversification, micro irrigation management etc.
- The application will be helpful for both the Central and State Governments in Policy formulation, Budget allocation, restructuring agricultural schemes and regional level planning, formulating advisories to the formers etc.
- The application also reduces the unproductive work performed by the
 officials in writing the standard details of farmers every year that are
 repetitive in nature and there by saves energy, time and stationery
 and enables them to concentrate in other essential work.

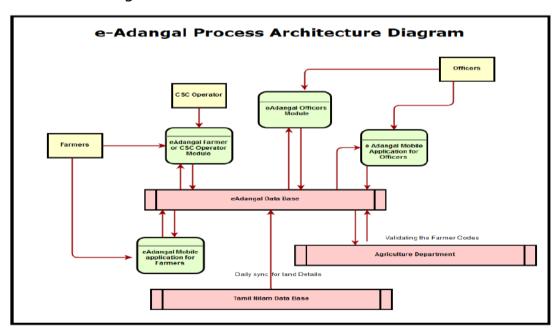
- The data that is available in the application will be very helpful for crop specific and location specific analysis, which will be essential for regional planning & reduce regional disparities.
- The data collected with respect to the crop cultivation and yield percentage will be very useful for making decisions relating to entire agricultural chain covering procurement/ storage/ marketing etc., and will be able to offer better end to end solutions to the farmers.
- The e-Adangal application will also enable identification of different crop which are ripe for harvesting at the District Level, Sub-Division Level, Taluk Level, Firka Level, and the Village Level so that appropriate marketing strategies as well as policies can be formulated for establishing cold chain and Agro-processing industries.

2. e-Adangal web based application –Key features:

The 'e-Adangal' application is designed in such a way taking into account all the basic requirements of both Farmers and the department Officials in order to ease their job. All the essential details with respect to the land are obtained from the 'Tamil Nilam' application developed and maintained by the Directorate of Survey and Settlement.

2.1. Application Database:

The 'Tamil Nilam' application database maintains the details of land record and in turn handles all the transactions relating to Land Records in the State. This Tamil Nilam application is interfaced with the e-Adangal application to access the land details like Survey No., Sub-Division No., Total extent of land, Classification of land, Assessment of Land, Name of the Owner, etc. The e-Adangal application is developed in such a way that any change that occurs in the Tamil Nilam database will automatically get reflected in the Adangal database on real-time basis.



The e-Adangal is not just restricted to digitization of crop entries and issuance of Adangal extract but it extends beyond it. The e-Adangal application contains all the details of land with respect to a particular Survey Number, which in turn helps in creating a huge data base of land details of a hamlet or village which is the basic structure of an administration. The data

available in this database can be very effectively used for data analytics and will be useful for making National / State level policy decisions.

The application is also linked with the Agriculture department database where it validates the 'Farmer code' provided by that department. Hence, the system will be helpful for day to day updation of farmer profile in the State, which in turn will be useful for the Government in formulating policy decisions for the farmers at large.

Apart from the Revenue Department Officials the application provides access to Agriculture, Horticulture, Sericulture and Statistical department Officials and the Farmer community.

2.2. Farmer Login

Farmers can access the application via URL: https://www.tnesevai.tn.gov.in/Citizen. Farmers have to create a user Id in the eSevai Citizen portal to access e-Adangal application. Once they login into application and if they already possess the Citizen Access Number (CAN) they can access e-Adangal application. If not, they have to create Citizen Access Number (CAN) by registering the basic details either through eSevai Citizen Portal or have to approach the nearest Common Service Center for creating CAN.

The application contains the following modules for the Farmer's usage:

- Farmer Profile
- Crop Entry
- Insurance
- e-Adangal Extract copy download.

Farmer login:



2.3. Farmer Profile:

Farmer Profile captures the personal information of the applicant like basic details, bank details, contact details etc., in addition to the details furnished in the CAN. There is a provision to capture the Aadhaar number of the farmers which helps them to avail multiple benefits from the Government. It also has a provision to capture the Farmer's code provided by the Agriculture department and validates the same available with Agriculture Department database.

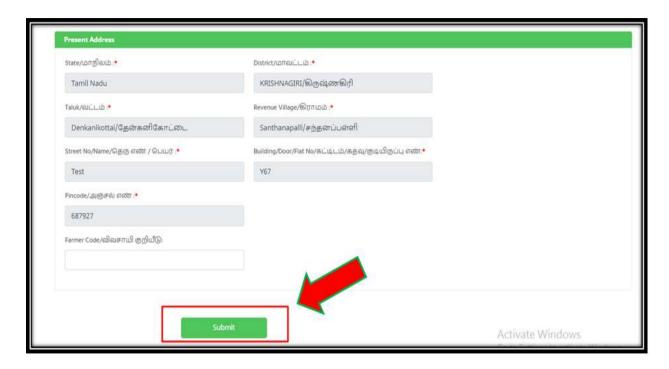
Farmer Details Applicant Name/விண்ணப்பதாரர் பெயர்* Thiru RAJA Father/Husband/Guardian Name/தந்தை/கணவர்/ பாதுகாவவர் ** Aachaar Number/ஆதார் எண் * Abdul 871052366011 Mobile Number/தொலைபேடு என் * Retion Card Number/தேவுன் கார்டு என் * 8778723682 0013

Personal details

Bank Details



Address details



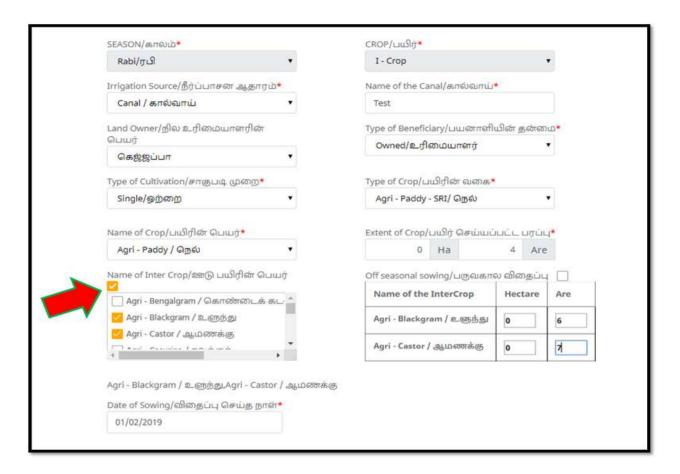
2.4. Crop Entry

Crop entry module facilitates the Farmer to furnish the details of crop cultivated in his/her respective land to the revenue officials. The list of Survey Numbers registered under the "Land Entry" module gets populated here. The farmer can choose the respective Survey Number and furnish the information.

Once the survey Number is selected, application fetches the entire details of the land from the 'Tamil Nilam' database and populates the same in the entry screen.



Farmer has to only provide the details of Crop raised, Irrigation source, Crop/Inter crop extent & Date of sowing and owner's name if on lease and once submitted the same will be forwarded to the Revenue officials.



2.5. Resown:

The crop entry process is three stage cyclic process, where the entries will be made initially in the Sowing stage, then in the Standing stage and finally gets completed by making an entry in the harvesting stage. In the meantime, if the crop raised by farmer is damaged or fails due to various reasons at any stage, the farmer will not be able to make a new entry as the "crop entry module" application does not allow the same. Hence, during such unforeseen situations, the 'resown' module will pave way to the farmer as well as the Village Administrative Officer to make entry of a new crop is raised.

Once the 'Resown' button is clicked and the reason for 'resown' is provided, the extent of the land already entered will be automatically

released from the crop entry module and the farmer will be able to make an entry of the new crop raised in the field.



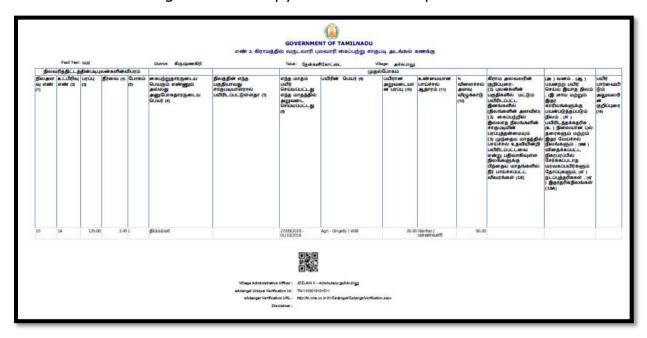
• Click the 'check box' to select the specific crop and provide the reason for resown in the remarks column to proceed further in this regard.



2.6. e-Adangal extract copy Download:

A Farmer requires Adangal extract copy for various purposes like availing loan from bank, for getting Government subsidies etc.

The e-Adangal application will be very helpful for the farmers to download the Adangal Extract copy at their doorsteps.



2.7. Login for Officials:

The e-Adangal application also facilitates and eases the function of the officials, to capture the details of crops raised in the land. The Revenue department officials will perform the original duty of making entries of crop raised in the field and also make entries of other land usage, if any. The application also provides an access for higher officials to monitor and to make entries of crop raised in the field.

Generally, Village Administrative Officer performs 100% verification of all the fields in the village every month and make appropriate entries survey number wise in the Adangal register. This is made easy by use of this application.

Azmoish



In e-Adangal application, the department Officials will be provided with a login, wherein by entering their User name and Password, they can access the application. The department officials can access the e-Adangal application using the following URL,

https://tnedistrict.tn.gov.in/tneda/DepartLogin.xhtm

The official login screen is given below:



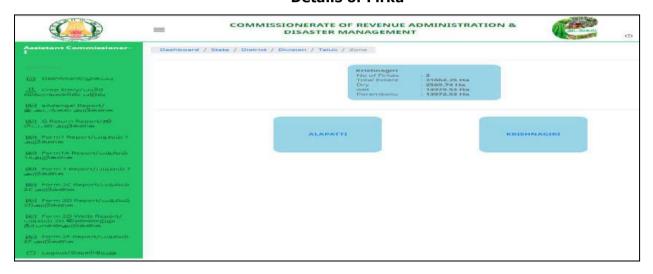
2.8. Dashboard for Officials:

- Once the Officials login into the application, there will be a dashboard containing details such as,
 - Crop entry
 - e-Adangal report
 - G-Return
 - Form 1 report
 - Form 1A report
 - Form 2C report
 - Form 2D report
 - Form 2F report
 - Form 7 report

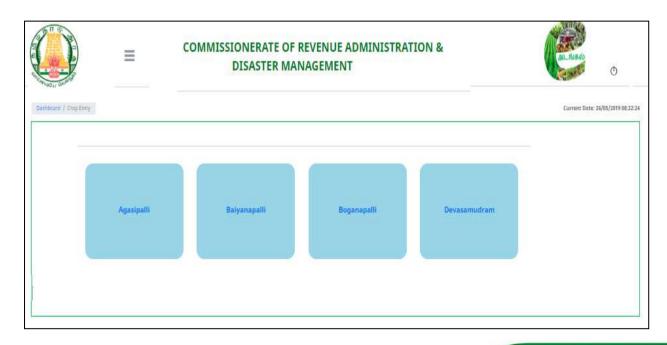
Details of District



Details of Firka



Details of Village(s) mapped to the concerned Officials.



2.9. Details of village:

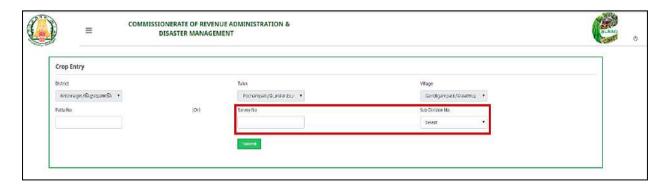
This screen provides the details of the entire village such as total number of survey numbers, total extent of land, crop entry made by the farmer, crop entry made by the Village Administrative Officer etc.,

COMMISSIONERATE OF REVENUE ADMINISTRATION & = DISASTER MANAGEMENT O Dashboard / Crop Entry Current Date: 26/05/2019 08:22:24 Village Crop Entry: Farmer Crop Entry: VAO Total Patta Nos Entered Patta Nos :2 Entered Patta Nos : 4 Survey Nos 275 :3594 :3592 Pending Pending Sub Division Nos 4684 Survey Nos Survey Nos Total Extent . 94.94 Ha Sub Division Nos : 2 Sub Division Nos 3.00 Total Extent 10.00 ⇒ Crop Entry » View Details » View Details

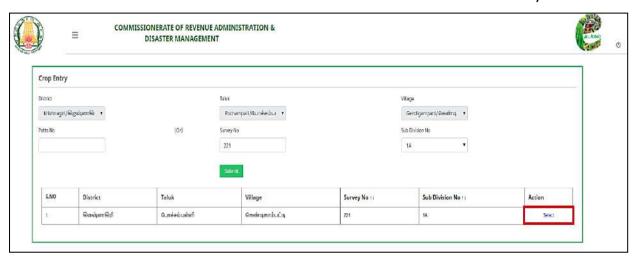
Details of village

2.10. Crop entry by Officials:

- The **Crop Entry Screen** will facilitate them to make original crop entries and confirm / modify / reject the crop entries made by the farmer only by way of field inspection.
- The Crop entry cycle has three stages such as Sowing, Standing and Harvesting. This application allows the Officials to make new entries of crop raised in a particular field only if the previous crop entry cycle is completed. The application facilitates the Officials to enter the single crop as well as multiple crops simultaneously.
- The Officials login will also be provided with an Entry Screen to enter the Poramboke / Bhoomidhan / AdiDravidar conditional assignment land.



- The Officials will also be provided with an entry screen to make entries of the **Land usage** for non-agricultural usage.
- With respect to lands Not Yet Sown or the entry not recorded, an SMS alert will be generated after 50 days of the commencement of season to the VAO to confirm the 'Not yet sown' status or to enter the cultivation details and an SMS alert will also be provided to the registered farmer if there is no crop sown in their land.
- In case, if the crop is damaged due to flood, drought or any unforeseen reasons and if the Officials want to enter a new crop without completing the crop entry cycle, there is another option called 'resown' to facilitate the Officials to make a new entry.



2.11. Details of the all survey numbers in a village:

• The crop entry screen displays the list of all the survey numbers in that village and facilitates the Officials to make entries of crops raised.



2.12. Sowing:

- Once a particular Survey number is selected, the application displays
 the whole information about the land like land type, owner name,
 assessment, extent of the land which are fetched from the Tamil
 Nilam.
- In sowing stage, the application facilitates the Officials to make fresh entries of crop raised in the field.
- Official has to provide the details of Crop name, Irrigation source, Crop Extent, Inter crop Extent, Owner name, Date of Sowing & Date of Inspection.
- Based on the crop type selection, the crop name will get displayed automatically. One of the salient features of the application is that the user can add multiple crops within the extent of the land in a single transaction.
- On the basis classification of land, the fields will instantly change i.e.,
 if the land type is Poramboke, it facilitates the Officials to capture the
 Encroacher Name, Classification of Poramboke and Encroachment
 Type or if the land is in Joint patta, the application has competency to
 select the appropriate owner name against the crop & extent.
- Apart from capturing the crop details, there is provision to enter the details of other land usage like Railway line, Trees, Groves & Plantation and Non Agricultural usage etc.
- This stage is primal one for proceeding to the next stage of information and this primary information will get reflected in all the higher official login. The higher official has the prerogative of changing the crop details entered by their subordinates on ascertaining the same through field inspection.
- Bulk approval feature with respect to farmer's entry has been provided to reduce 50% of work load of the revenue official, which will in turn lead to a better service delivery.
- This Crop entry module is made available for all officers of Revenue,
 Agriculture, Horticulture and Sericulture Department. The details

which are finally approved by Revenue Officials only will get replicated in the e-Adangal report.



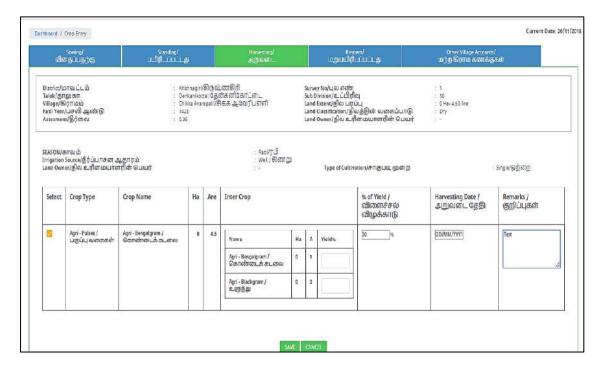
2.13. Standing:

- In standing stage, the application facilitates the Officials to either confirm or modify the entries made by them during the sowing stage.
- The data captured in this module consists of Irrigation Type, Land Owner Name, Cultivation Type, Crop Type, Crop Name, Cultivated extent, Inter Crop details, Season, Date of Sowing etc.,
- In Standing Stage, once entries are confirmed by the officials, they will move to "Harvesting" stage.



2.14. Harvesting:

- In harvesting stage, the application facilitates the Officials to enter the yield percentage so as to complete the crop cycle.
- This module also captures the Harvesting Date & yield % of each crop as well as Inter crop, if any. If the yield is below 33%, the Officials have to provide the remarks for such cases. The details captured in the Harvesting stage will get reflected in e-Adangal report after the approval by DRO.

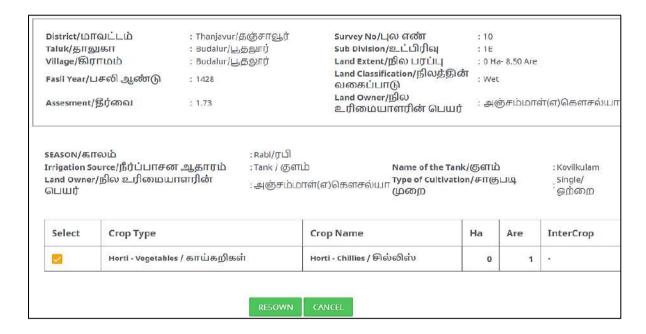


2.15. Mismatch:

- If there is any mismatch found in the crop details submitted by the farmer and by the Village Administrative Officer with respect to either the extent cultivated or the name of the crop, a notification will be sent to the Farmer via SMS alert and the same will be escalated to Revenue Inspector for 100% field verification.
- Mismatch module can be accessed till the level Deputy Tahsildar to resolve discrepancy in the entries made by the farmer and VAO and when the entries of VAO are being accepted by the RI and the farmer disputes the same.

2.16. Resown:

- If the crop is damaged due to flood, drought or for other reasons and the Officials wants to enter a new crop without completing the crop entry cycle, there is an option 'resown' to facilitate the Officials for making new entry.
- Once the 'Resown' button is clicked and the reason for 'resown' is provided the extent of the land already entered will be automatically released and the farmer will be able to make an entry of new crop raised in the field.



2.17. Other land usage:

- Apart from crop entry, this application also captures the entries with respect to land used for other purposes like Buildings, land used for non-agriculture use, Forest, wells, details of Trees etc.,
- This module captures the details with respect to extent of building, classification of the building, nature of building etc.,
- With respect to the trees grown on the field, it captures the Name of trees grown, Number of trees etc.,

 There is a provision in this module to capture the details of land that is used for non-agricultural purposes like quarrying, Industrial location etc.,



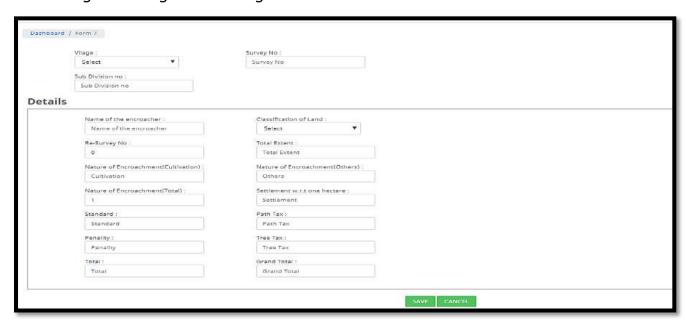
2.18. Automated reconciliation:

- Apart from the Revenue department, the application also considers
 the officials of Agriculture, Horticulture, Sericulture and Statistical
 department as the other important stakeholder, in this system and
 provides them with a login to access the application and to make
 entries of crop raised in their jurisdiction in a separate window.
- This process of making entries with respect to the crop raised, by the
 other department officials will help in automated reconciliation of the
 crop data and eliminate the manual process of reconciliation. This
 process of Agriculture and Horticulture department officials making
 entries with respect to the crop raised will be in a separate screen.
- The data collected through the application will help the department to effectively monitor the crop cultivated in the state, assess the yield

percentage of various crops, assess crop failure due to disasters like flood, drought etc., and will also be useful to the Government for policy making and other developmental activities.

2.19. Other village accounts:

• This application also provides an entry screen to capture details for generating other village accounts.



e-Adangal Farmer User manual

3. Farmer User manual

The e-Adangal application facilitates the farmer to enter the details of the crop raised by providing access to the farmers to the e-Adangal application. This application also enables the farmers to download the Adangal extract copy anytime and anywhere. Farmers can enter their land and cultivation detail in the Common Service Centre (CSC) or in the eSevai Citizen Portal as per their convenience.

3.1. Farmer Login

The following steps are to be followed by the farmers for making crop entry in the e-Adangal application.

Step 1: The farmer has to open any web browser (Chrome / Firefox / Edge / Safari etc.,) and type the URL https://www.tnesevai.tn.gov.in in the address bar and have to click the 'Enter' button. Then the eSevai web page will be displayed as shown below and the farmer has to click the 'Citizen login' to proceed further.



Step 2: The farmer has to click the **'New User? Sign up'** button to get registered and to access the eSevai Citizen Portal. In case, if the farmer is an existing user then skip to step 4.



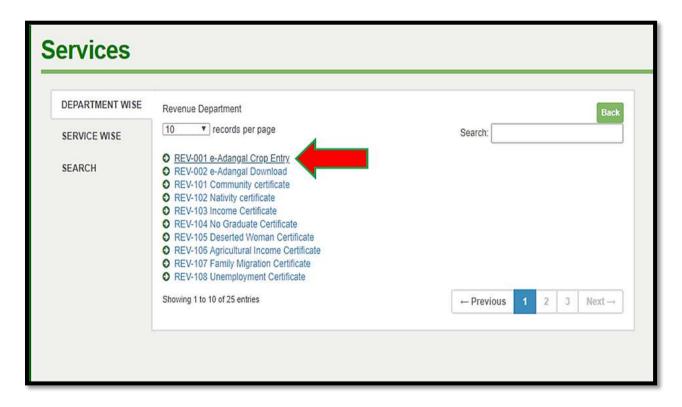
Step 3: The farmer has to provide the basic details as required in the web portal and click **'sign up'**. A 'One Time Password' (OTP) will be sent to the farmer's registered mobile number and once the OTP is entered in the screen the registration for eSevai Citizen Portal will be successful.



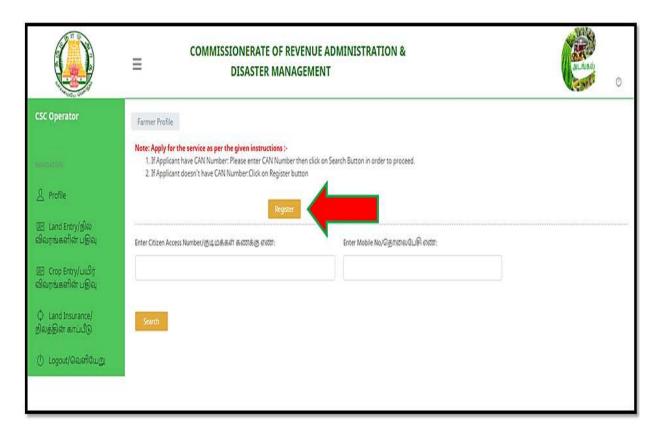
Step 4: The farmer has to enter the 'User Name', 'Password' and the captcha provided there and click the 'login' button to access the eSevai citizen portal.



Step 5: The farmer has to click the 'e-Adangal Crop Entry' button to make entries of crop raised by them.

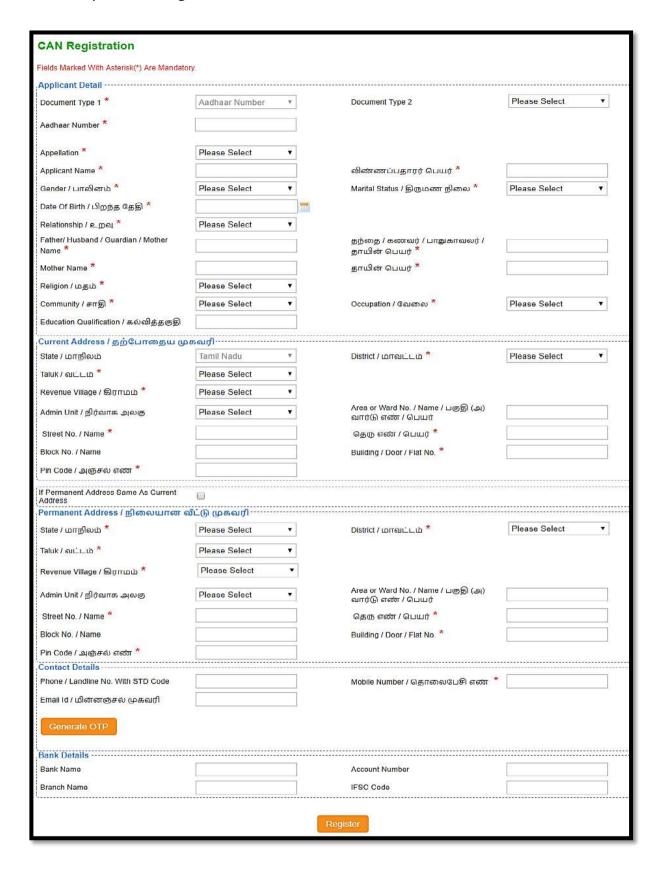


Step 6: In case, if the farmer does not have the Citizen Access Number (CAN) then they should Click '**Register'** to register their details to get the CAN which is a onetime registration. If the farmer has the CAN and registered mobile number then he can skip to step 7.

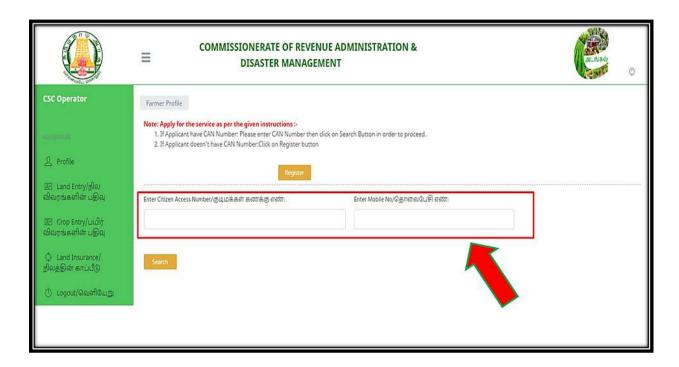


The CAN registration is an important process only by which an farmer / applicant can have access to the e-Adangal application. During CAN registration process the farmer has to provide their basic details, current address details, permanent address details and contact details. Once all the mandatory details are filled, the farmer has to click 'submit' button upon which an OTP will be sent to the registered mobile number. Thereby entering the OTP, a 16 digit CAN will be generated. Again by entering the CAN in the above table the farmer can access the e-Adangal application.

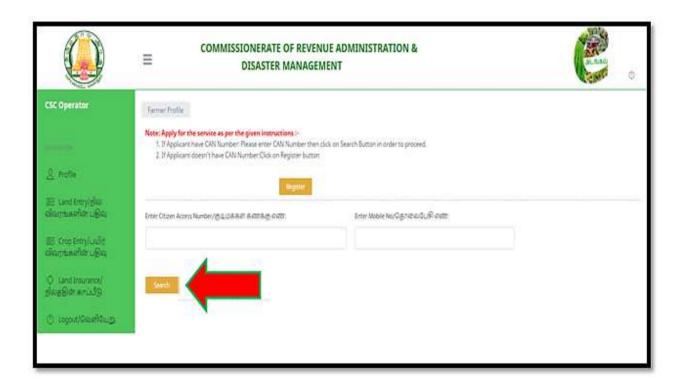
The sample CAN registration form is as follows:



Step 7: The farmer has to enter the CAN or the registered mobile number in the below screen.



• Click 'Search' to proceed further.



3.2. Farmer Profile:

Step 8: Before proceeding to make entries of crop raised, the farmers have to provide details viz., Farmer profile, Bank details, Insurance details etc., which will help them to get relief assistance / insurance claim at the time of any disaster like drought, flood etc., as the case may be.

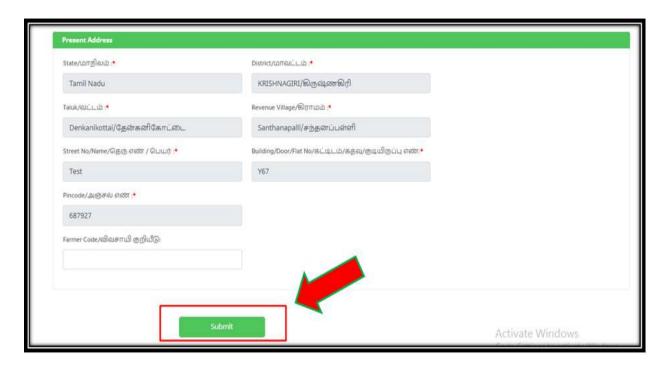
Personal details:



Bank Details:

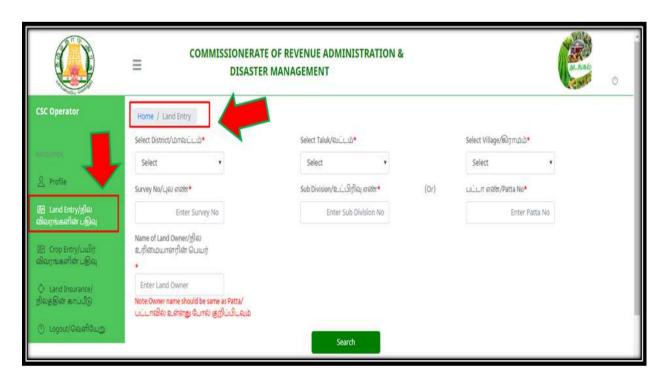


Address details:



3.3. Land Entry:

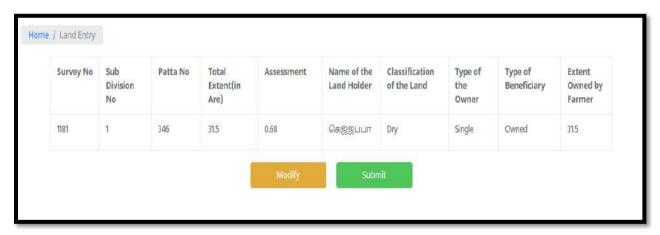
Step 9: The farmer has to click **'land entry'** and select the District, Taluk, Village, Patta number or Survey number along with Sub-division number and the name of the land owner (as it is in the Tamil Nilam application / Chitta) and click search to fetch the data from Tamil Nilam application.



 Once the land details are fetched, then click 'Add' to map the land with the concerned login id.



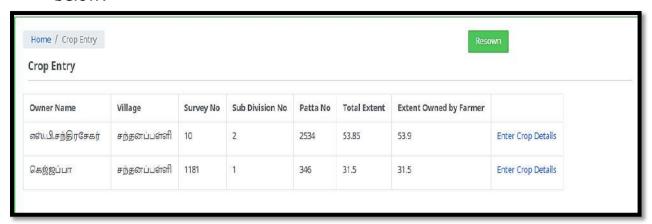
• Then, check the land detail displayed in the screen and Click 'modify' if the details has to be modified.



• Then, click '**submit**' to confirm the land details. Once submitted the land details will be successfully saved in the database of the concerned farmer.

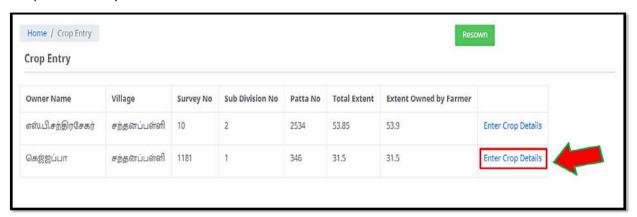


 The details of land entry saved in the farmer login id will be as given below:



3.4. Crop Entry:

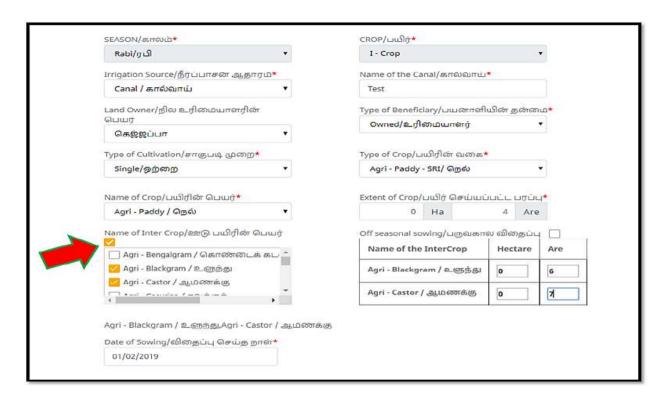
Step 10: The farmer has to click **'enter crop details'** to make entries of crop raised by them in their land.



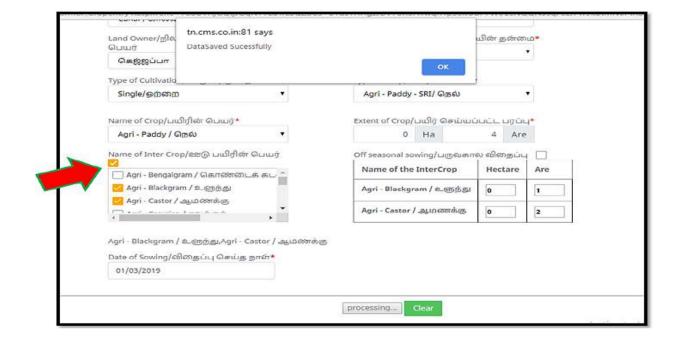
 Once 'enter crop details' is clicked, the details of the concerned survey number like total extent, assessment, classification, name of the land Owner etc., will be displayed as given below:



 The farmer has to enter the details such as Irrigation Source, Land Owner Name (in case of joint patta), Type of Cultivation, Crop type, Crop Name, Inter crop (if any), Extent of Cultivation, Date of Sowing etc., and click **'submit'** button to save the data and forward the same to the Village Administrative Officer login.



 The data entered has been successfully saved and the same will be displayed as given below:

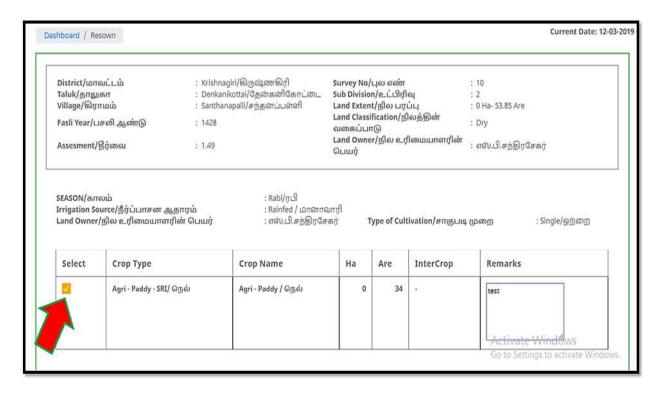


3.5. Re-sown:

Step 11: In case of crop damage or due to some other reason a new crop has to be sown then, the farmer has to click 'resown' and provide the reason for resown, only then the farmer can make entry of a new crop raised in that agricultural field.

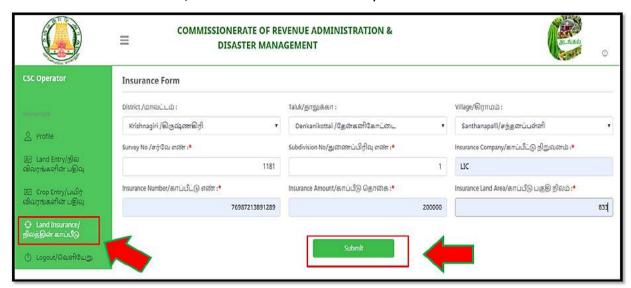


 Once, resown is clicked the original data entered will get reset and the new crop entered will be saved in the database.



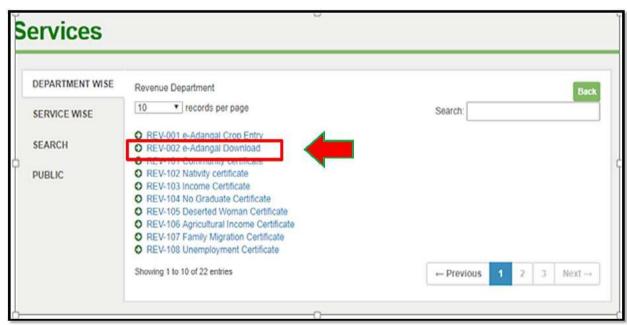
3.6. Crop Insurance Entry:

Step 12: The farmer has to click 'crop insurance' and provide the insurance details of like district, Taluk, Village, Survey number along with Sub-division number, Name of the Insurance Company, Insurance Policy number, Premium amount etc., and click 'submit' to upload the details.

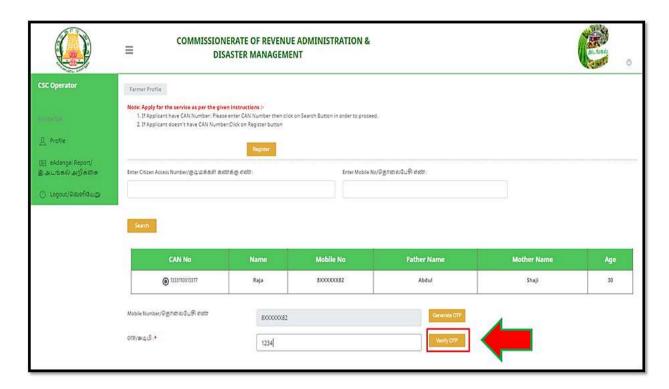


3.7. e-Adangal extract download:

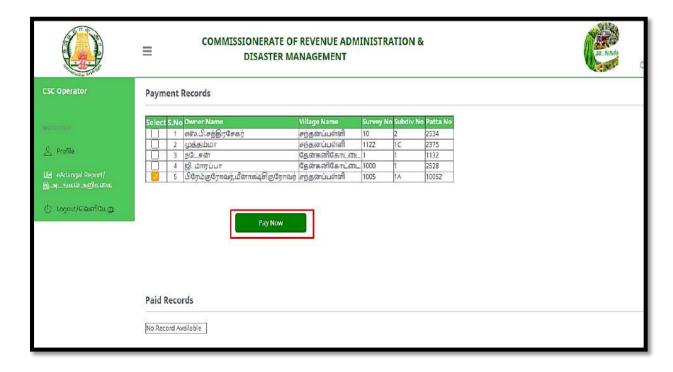
Step 13: The farmer has to click 'e-Adangal download' to get the copy of Adangal extract.



 Then, the farmer has to enter the CAN or the registered mobile number in the below screen and click 'search' to fetch the data from the Tamil Nilam database. Then he has to select his CAN and click 'Generate OTP'. OTP will be sent to the registered mobile number, after which he has to enter the OTP and click 'verify OTP'.

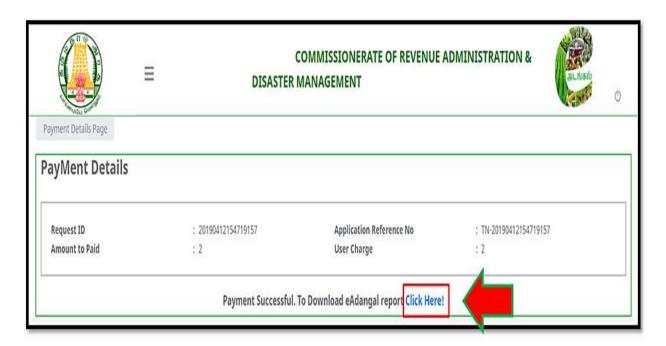


1. Then the farmer has to select the survey numbers for which he requires the e-Adangal extract copy and click 'pay now'.

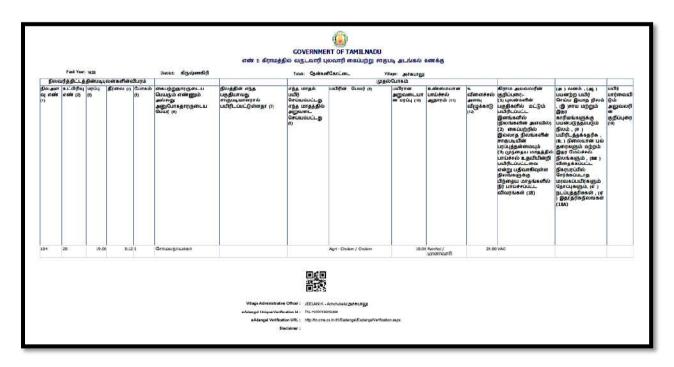


2. The farmer can make online payment through Net banking / Credit card / Debit Card. Once payment is completed a message will be displayed as

payment successful and 'click here' to download e-Adangal report as shown below:



3. Once the "Download Adangal" button is clicked, the e-Adangal extract copy will be downloaded from the e-Adangal database. The copy of e-Adangal extract is given below:



e-Adangal Village Administrative Officer User manual

4. Village Administrative Officer User manual

In order to simplify the process of entries in Adangal and its maintenance by the Village Administrative Officer and also to facilitate automatic reconciliation of crop data and to automatically generate the reports, the manual adangal register has been converted to electronic platform as e-Adangal.

4.1. e-Adangal Application – Do's and Don'ts:

Do's:

- All the crop entries should be made in e-Adangal application only from 1st of July 2019 onwards.
- The Village Administrative Officer has do 100% field verification of all the survey number (i.e., all wet lands, dry lands and Poramboke lands) in his jurisdiction.
- The Village Administrative Officer has to make entries of crop cultivated (if any) within 30 days from the commencement of every season, otherwise an alert message in the form of notification will be generated with respect to the 'Not sown areas'.
- In case, if the Village Administrative Officer does not make any entries of crop cultivated within next 20 days (i.e., 30 days +20 days), the entire survey numbers where no entries has been made will be automatically recorded as 'Not sown area' on the 51st day.
- The Village Administrative Officer has to make 100% field verification for all the entries made by the farmer within 7 days.
- The Village Administrative Officer has to make periodical entries in the Standing stage and harvesting stage for those crop entries already made so as to complete the crop cycle and make entries of crop in the next season.
- The Village Administrative Officer has to make entries in the 'other land usage 'screen, 'other village account' screen and 'resown' (if any) every month.

Don'ts:

 The Village Administrative Officer should not make any entry of crop raised in the manual register from 1st of July 2019. All the registers that are generated automatically through the e-Adangal application i.e., Account No.1 – Monthly Cultivation Account, Account No.1A – Crop wise Abstract of Monthly cultivation, Account No.2C – Trees in Government lands, Account No.2D – Irrigation details of the lands in a village, Account No.2F – Classification-wise land abstract, Account No.7 – Details of Encroachment in Government lands, G-returns should not be maintained manually.

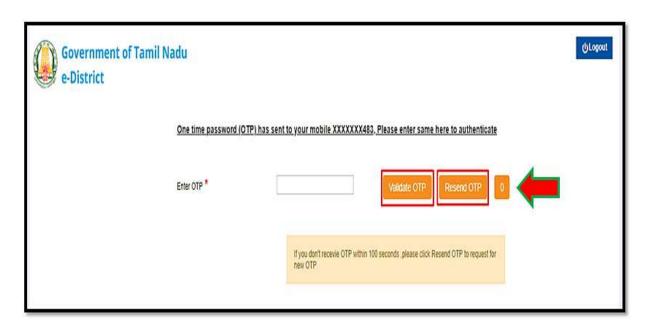
The following steps are to be followed by the Village Administrative Officer for making crop entry in the e-Adangal application.

Step 1: The Village Administrative Officer has to open any web browser (Chrome / Firefox / Edge / Safari etc.,) and type the URL https://tnedistrict.tn.gov.in/tneda/DepartLogin.xhtml in the address bar and click the **'Enter'** button. Then, the eSevai department login web page will get displayed as shown below and the Village Administrative Officer has to enter his user name and password and click 'login' as in the below screen to proceed further.

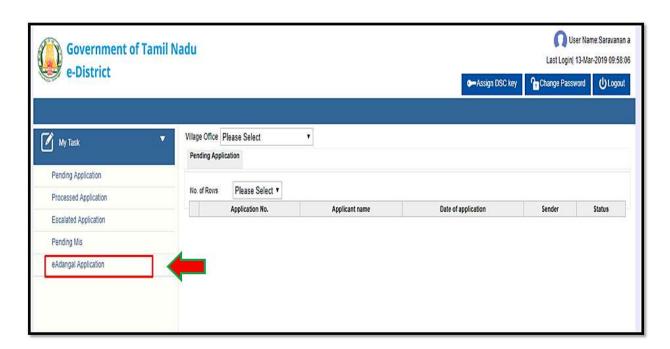


- Once, login is clicked an OTP will be sent to the registered mobile of the concerned Village Administrative Officer and the Village Administrative Officer has to enter the OTP and click 'Validate OTP' to proceed to the dashboard.
- In case if the Village Administrative Officer has not received any OTP there is an option 'resend OTP' which when clicked will generate OTP

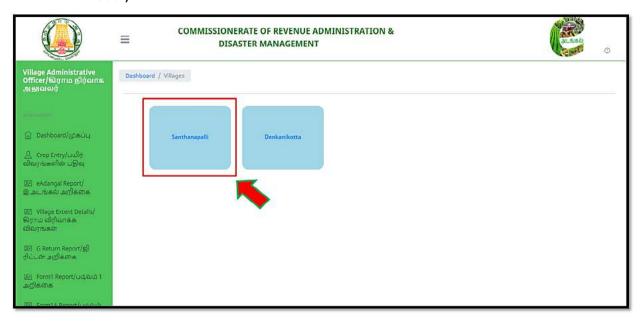
to the registered mobile of the concerned Village Administrative Officer.



Step 2: The Village Administrative Officer has to click 'e-Adangal application' to move forward to the e-Adangal Village Administrative Officer dashboard.



 In the Village Administrative Officer dashboard, Villages mapped to the concerned Village Administrative Officer will get displayed. By clicking the village the Village Administrative Officer can view the details such as crop entry made by the farmer, crop entry made by him etc.,



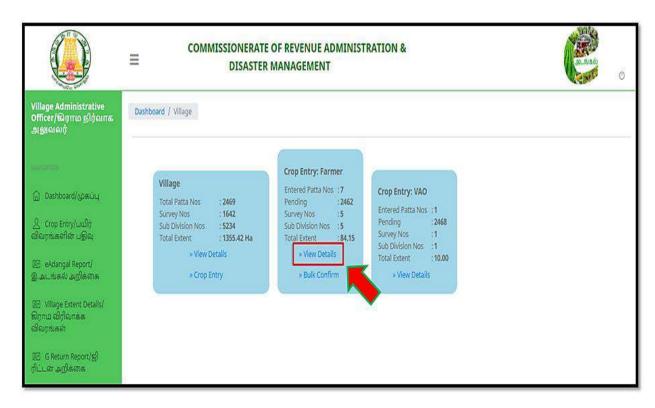
By clicking the village 'View Details' the Village Administrative Officer
can view information pertaining to that village like the list of entire
survey number wise details.



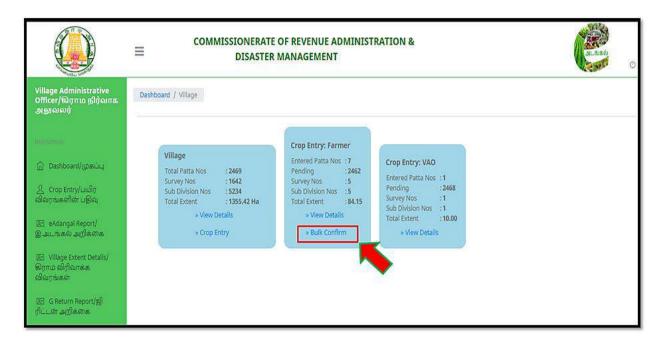
Once 'view details' is clicked, the details such as District, Taluk,
 Village, Survey number along with Sub-division and action will get displayed as shown below:

விவரங்களின் பதிவு	S.NO	District	Taluk	Village	Survey No 11	Sub Division No 11	Action
ஊ eAdangal Report/ இஅடங்கல் அறிக்கை	1	கிருஷ்ணகிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	1	1	Select
₩ Village Extent Details/	2	திருஷ்ணதிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	į	1	Select
கிராம் விரிவாக்க விவரங்கள்	3	இருஷ்ணதிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	1	1	Select
The state of the s	4	இருஷ்ணதிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	1	2	Select
⊡ G Return Report/ஜி ரிட்டன் அறிக்கை	5	இருஷ்ணதிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	10	2	Select
ஊ Form1 Report/படிவம் 1 அறிக்கை	6	இருஷ்ணதிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	10	3	Select
	7	இருஷ்ணதிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	1001	2	Select
ஊ Form1A Report/படிவம் 1Aஅறிக்கை	8	இருஷ்ணதிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	1008	2B	Select
Form 7 Report/படிவம் 7	9	இருஷ்ணகிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	1008	2B	Select
அறிக்கை	10	கிருஷ்ணகிரி	தேன்கனிகோட்டை	சந்தனப்பள்ளி	1008	2B	Select

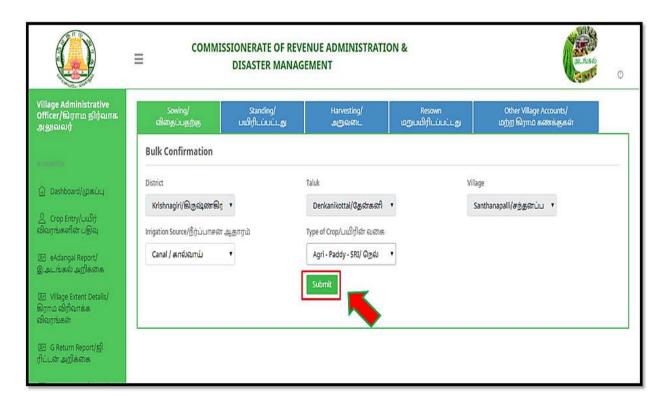
 By clicking 'view details' in 'Crop entry farmer' screen, the Village Administrative Officer can view information about the crop entries made by the farmers survey number wise in that particular village.



• In case if the Village Administrative Officer has to make bulk entries of a particular crop in the village then he has to click 'Bulk **Confirm'** and select the survey number to which he wanted to make crop entries.



 Once survey numbers are selected he has to provide details such as irrigational source and crop type and click 'submit' to make bulk confirmation.



4.2. Sowing details:

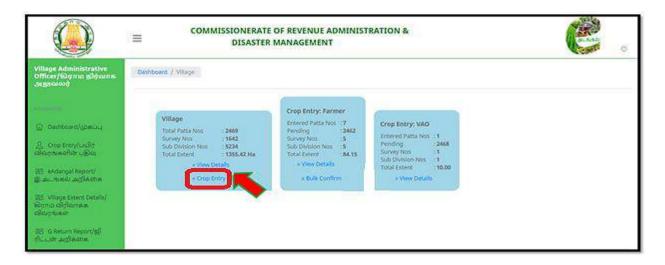
• **Step 3:** If the Village Administrative Officer wants to make a new crop entry survey number wise, then he has to click 'crop entry' and the below screen will get displayed. Where he can click 'select' in the screen against the survey number and make entry of crops survey number wise.



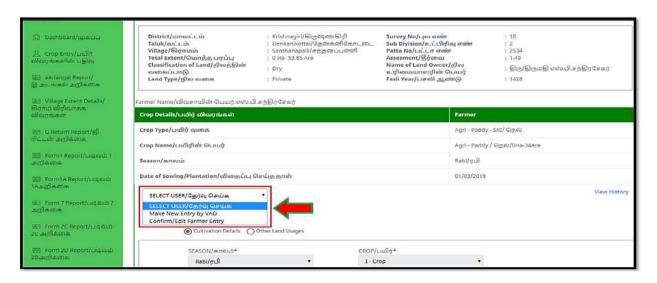
 Once the survey number wise details are fetched, the Village Administrative Officer can select the individual survey number and make crop entry.



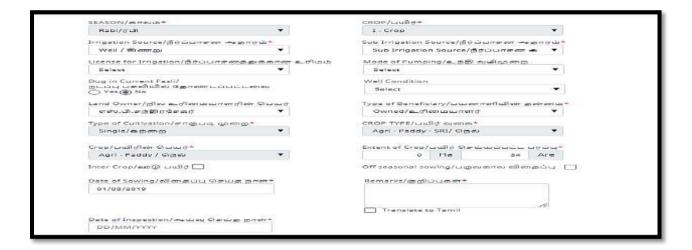
In case, if the Village Administrative Officer wants to make an entry for a particular survey number he can click the 'crop entry' button shown below, which will ask for the Survey number and Sub-division number or Patta number, thereby providing the same and clicking the 'submit' button it will directly display the crop entry screen, where the Village Administrative Officer can make crop entry directly. This provision has been given to have an easy access to make crop entry and thereby reducing the time required for loading all the survey numbers in the village and displaying the same for making crop entry.



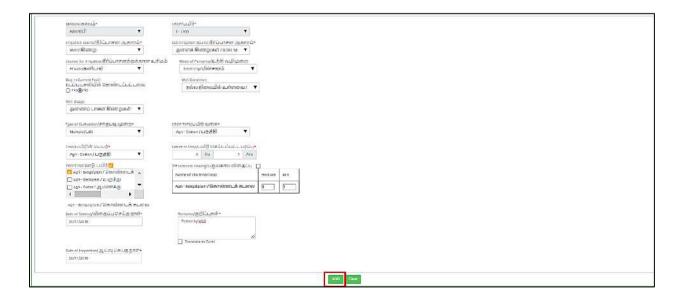
 Once the survey number is selected, the details such as extent, assessment, classification, name of the land owner etc., will be fetched from the Tamil Nilam application and the same will be displayed.



Now the Village Administrative Officer can confirm the entry made by the farmer or make his own entry by providing details such as Irrigation Source, Land Owner Name (in case of joint patta), Type of Cultivation, Crop type, Crop Name, Inter crop (if any), Extent of Cultivation, Date of Sowing etc., and if it is a single crop then the Village Administrative Officer can click 'submit' button to save the data.



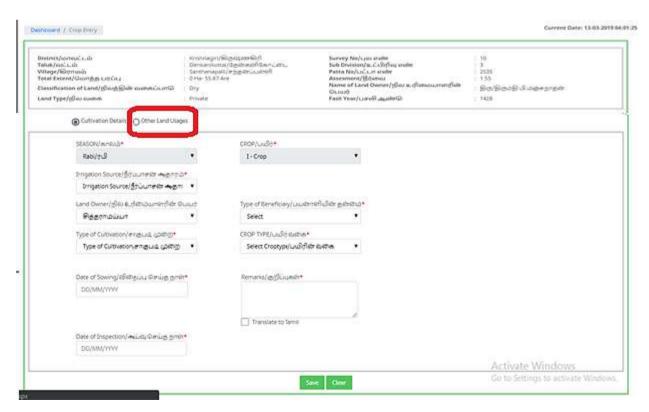
 In case, if the Village Administrative Officer wants to make entries for multiple crop in a single survey number then after providing details such as Irrigation Source, Land Owner Name (in case of joint patta), Type of Cultivation, Crop type, Crop Name, Inter crop (if any), Extent of Cultivation, Date of Sowing etc., the Village Administrative Officer have to click 'Add' to make entries of another crop.



Once all the crop has been added the Village Administrative Officer
has a provision to edit or delete the entry made. Otherwise he can
click 'submit' button to save the crop entry in the database.



• **Step 4:** The Village Administrative Officer also has a provision to record the details of the land used for other purposes apart from crop cultivation. He has to select the "**Other Land Usage**" button to record the details of land use pattern.



By selecting the type of land usage viz., Trees, Groves and plantation,
 Building, Not sown area, Fallow land etc., the details of the land used for other purposes can be captured.

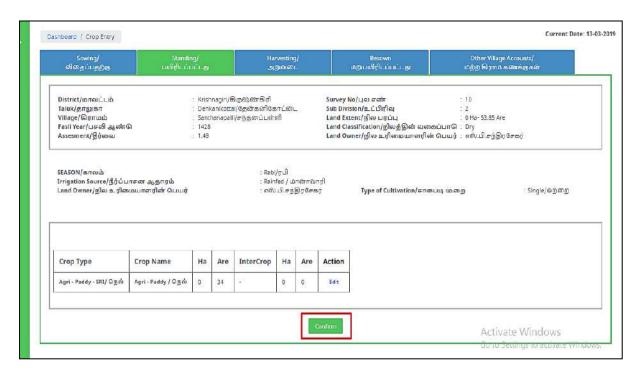


4.3 Standing details:

Step 5: The Village Administrative Officer after making entry in the sowing stage, the details will be forwarded to the standing stage where he has to confirm the details made in the sowing stage. The Village Administrative Officer has the provision to edit the details like crop name and the extent of cultivation.

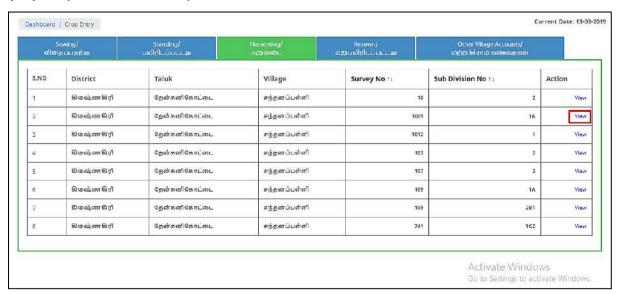


 In case of extent there is a provision only to reduce the extent of cultivation to which already an entry has been made in the sowing stage.

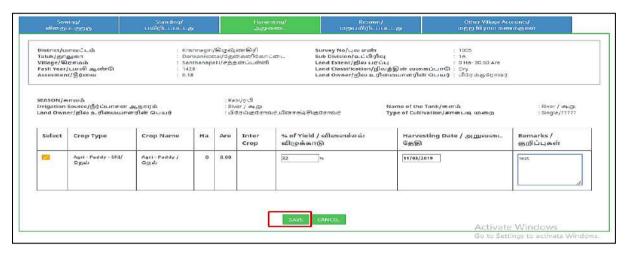


4.4 Harvesting details:

Step 6: The Village Administrative Officer after confirming the entry in the standing stage, the details will be forwarded to the harvesting stage where he has to select the particular survey number and record the percentage (%) of yield of the crop.

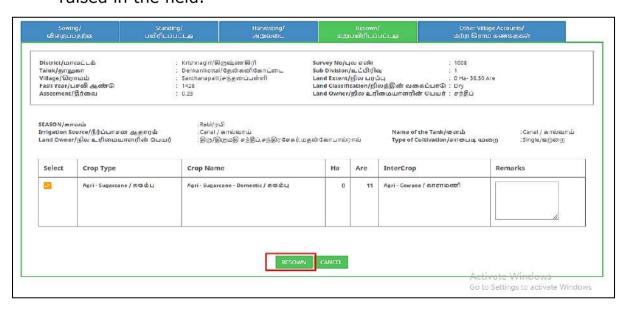


 In case where the percentage (%) of yield of the crop is below 33%, the Village Administrative Officer has to provide his remarks for the same.



4.5. Re-sown details:

- Step 7: If the crop is damaged due to flood, drought or for other reasons the Officials wants to enter a new crop without completing the crop entry cycle, there is an option 'resown' to facilitate the Officials for making new entry.
- Once the 'Resown' button is clicked and the reason for 'resown' is provided the extent of the land already entered will be automatically released and the farmer will be able to make an entry of new crop raised in the field.



e-Adangal Revenue Inspector User manual

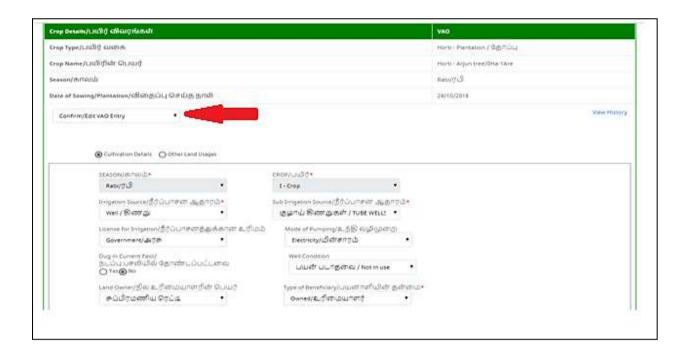
5. Revenue Inspector User manual

The Revenue Inspector will also follow the same steps as followed in the Village Administrative Officer login. In addition to that he performs the following duties,

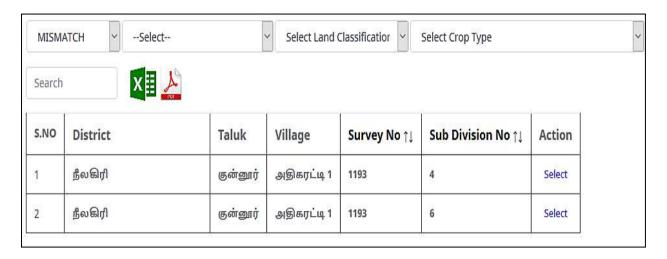
- The Revenue Inspector will do 100% field verification with respect to the mismatch entries between the farmer and the Village Administrative Officer and also between the Village Administrative Officer and the Assistant Agricultural Officer / Assistant Horticultural Officer.
- The Revenue Inspector will do 100% field verification of all the crops cultivated, survey number wise with respect to the wet land.
- The Revenue Inspector will do 100% field verification with respect to the Poramboke / Bhoomidhan / Adi-Dravidar conditional land and make entries of the same in the Adangal register.
- Once the Revenue Inspector login into the system, all the villages mapped to that firka will gets displayed in the dashboard. The Revenue Inspector will select the particular village and makes entries of crop raised (if any).



 In case of crop entry already made by the farmer or the Village Administrative Officer, the Revenue Inspector has three options i.e., the Revenue Inspector can confirm the farmer entry (or) Confirm the Village Administrative Officer entry (or) he can make his own entry.



 If the Revenue Inspector wants to view the mismatch entries there is a filter option to view all the mismatch entries thereby selecting a particular mismatch entry the Revenue Inspector will be able to make crop entries.



e-Adangal Other Departmental Officials User manual

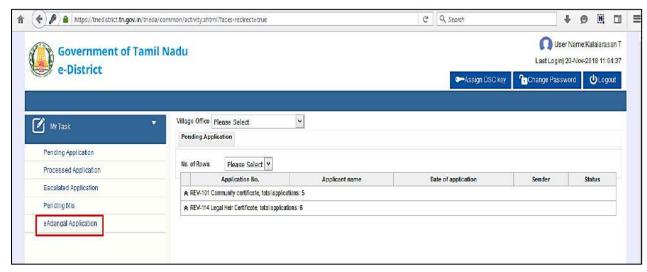
6. Other Departmental Officials User manual

Similar to Revenue department officials the other stakeholders viz, Agriculture, Horticulture, Sericulture and Statistics department officials are also provided with a login for making entries of crop cultivated within their jurisdiction.

Step 1: The Agriculture / Horticulture / Sericulture officials has to open any web browser (Chrome / Firefox / Edge / Safari etc.,) and type the URL https://tnedistrict.tn.gov.in/tneda/DepartLogin.xhtml in the address bar and click the **'Enter'** button. Then, the eSevai department login page will get displayed as shown below and they have to enter their user name and password and click 'login' as in the below screen to proceed further.



Step2: The Agriculture / Horticulture / Sericulture officials have to click 'e-Adangal application' to move forward to the e-Adangal their dashboard.



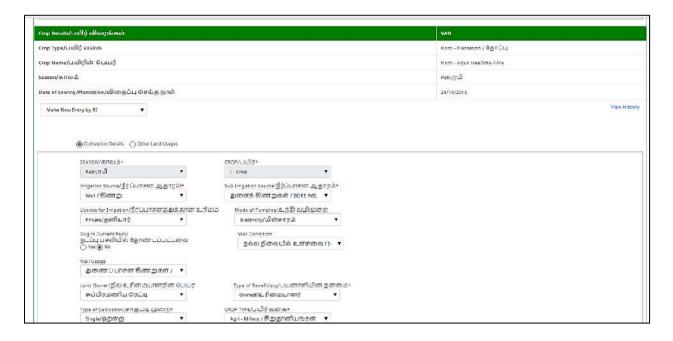
- In the dashboard, the Villages mapped to the concern official will get displayed. By clicking the village the department official can view the details such as crop entry made by the farmer, crop entry made by him etc.,
- By clicking the village 'View Details' the they can view information pertaining to that village like the list of entire survey number wise details etc.,



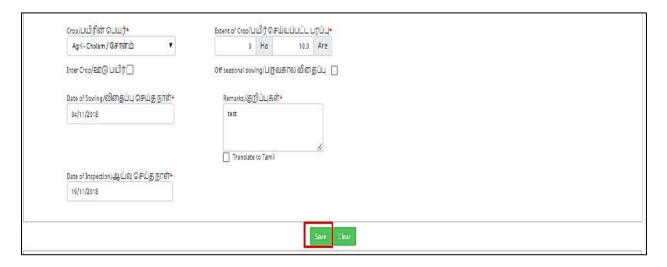
 Once the survey number is selected the details such as extent, assessment, classification, name of the land owner etc., will be fetched from the Tamil Nilam application and the same will be displayed.



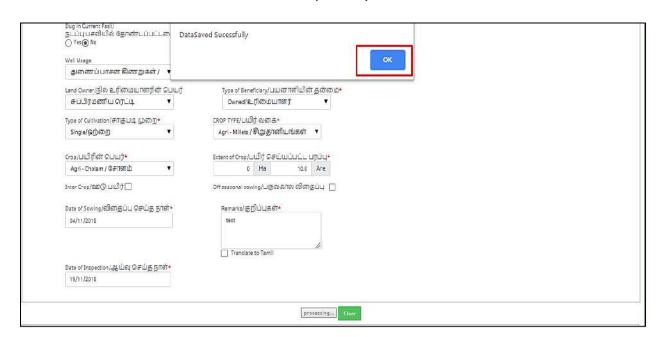
Now the farmer can make his own entry by providing details such as
Irrigation Source, Land Owner Name (in case of joint patta), Type of
Cultivation, Crop type, Crop Name, Inter crop (if any), Extent of
Cultivation, Date of Sowing etc., and if it is a single crop then click
'submit' button to save the data.



In case, if the department official wants to make entries for multiple crop in a single survey number then after providing details such as Irrigation Source, Land Owner Name (in case of joint patta), Type of Cultivation, Crop type, Crop Name, Inter crop (if any), Extent of Cultivation, Date of Sowing etc., the department official have to click 'Add' to make entries of another crop.



• Once all the crop has been added the department official has a provision to edit or delete the entry made. Otherwise he can click 'submit' button to save the crop entry in the database.



6.1 e-Adangal Reports:

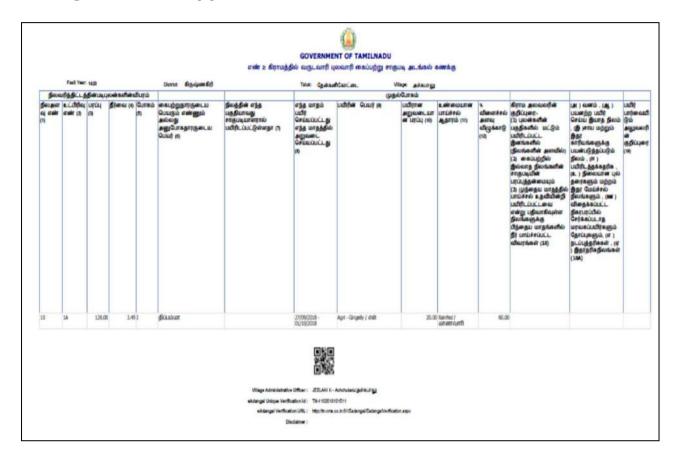
The e-Adangal application also helps the revenue officials in automatically generating various other village reports. The following reports are generated automatically using the e-Adangal application,

- > e-Adangal Report
- Form 1 Report (Monthly cultivation details)
- > Form 1A Report (Abstract of Monthly cultivation details)
- > Form 2C Report (Trees in Government Poramboke)
- Form 2D Report (Irrigation source wise cultivation details)
- Form 2F Report (Forest, Plantation, cultivation and fallow land details)
- Form 7 Report (Details of encroachment in Government Poramboke land)
- G Return Report
 - Nine fold classification.
 - Crop details.
 - Source Wise Irrigation Details.
 - No of Irrigating Wells.
 - Canals, Kanmai and Tanks.
 - No of Wells used in House Hold & Industries.
 - Mode of Pumping from Wells used In Irrigation.

6.2 Copy of e-Adangal extract:

- After the entries of crop cultivated, other land usage details etc., are made by the officials of various department, the monthly G-Return report will be generated by the end of every month and the same will be available in the District Revenue Officer login for approval.
- Once it is approved by the District Revenue Officer the same will be available for the farmer to download the copy of Adangal extract.

e-Adangal extract Copy:



Form 1 Report:



GOVERNMENT OF TAMILNADU

Form - 1

District: கிருஷ்ணகிரி

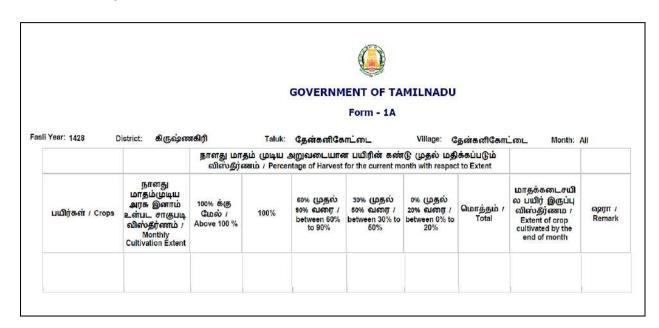
Taluk: தேன்கனிகோட்டை

Village: தேன்கனிகோட்டை

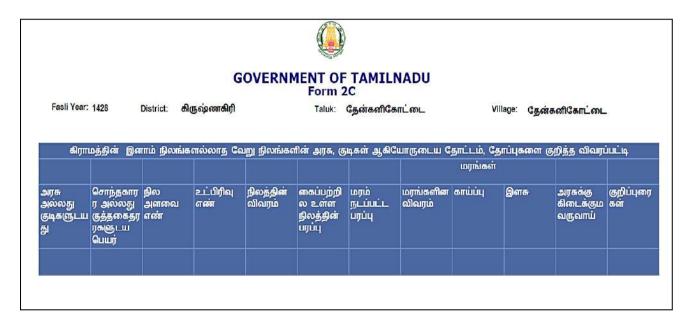
Fasli Year: 1428 Month: All

		நாளது மாதத்தில் சாகுபடி செய்யப்பட்ட விஸ்தீர்ணம்				
		மொத்தம்		நீர்ப்பாய்ச்சப்பட்டது		
பயிரின் பெயர்	நில அளவை எண்/உட்பிரி வ எண்	முதல் போகம்	இரண்டாம் போகம்	முதல் போகம்	இரண்டாம் போகம்	

Form 1A Report:



Form 2C Report:



Form 2D Report:



Form 2D Wells Report:

						4							
					GOVER	RNMENT	OF TAM	ILNADU	li.				
						Form - 2	D (Wells)					
Fasli Year: 1428	District: கிறு	ஷ்ணகிரி			Taluk: Ga	நன்கனிகோ	ட்டை			Village: (தேள்கனிகோ	ட்டை	
			கிராமத்தி	ல் நீர் பாய்ச்ச		பின் விவர # . கிண்ண		ாண்பிக்கும்	விவரப்பட்	iq :			
					піни	E - 4016001 6061	பி கள						
			ச்சப்பட்டது ent of Irrigation		ப்படுத்தப்பட ணிக்கை /			ஏற்றங்க	வ்வொரு வகையிலும் உள்ள ஏற்றங்களின் எண்ணிக்கை / Mode of pumping		புதிய சொந்தக் கிணறுகளை பொறுத்த மட்டில் மட்டும் / Types of wells		ளை பொறுத்த pes of wells
கிணற்றின் வகை / Type of Well	உபயோகிக்கப்ப ட்ட கிணறுகளின் என்னிக்கை (உபயோகத்தில் உள்ள கிணறுகளின் எண்ணிக்கை) /	நிகரம் / Net	மொத்தம் / Gross	நல்ல நிலையிலி ரந்து ஆனால் உபயோகப் படுத்தப்படா த கிணறுகளி க / Not used good condition wells	கைவிடப பட்டவற்றி எ எண்ணி க்கை / Abandoned total	மோட்டார	பொறி	ஆள் ஏற்றம் r Man powered	எருது ஏற்றம் / Cattle Powered	புதிதாக கட்டப்பட்டு நடப்பு பசிலியில் உபயோகத் தற்கு கொண்டு வரப்பட்ட கிணறுகள் / Dug in Current Fasli	கல்கட்டு கிண்றுகளி என்ணிக்க / Masonary Wells	901	வீட்டு உப்போகத்திற ்கு மட்டும் உள்ளவற்றின் எண்ணிக்கை / Household usage
குழாய் கிணறுகள் / TUBE WELLS	0			D	0	0	0	0	0	0	0	0	.0
துளைக் கிணறுகள் BORE WELLS	0			0	0	0	0	0	0	0	0	0	0
தோன்ரடப்பட்ட துளை கிணறுகள் / DUG BORE WELLS	0			D	0	0	0	0	0	0	0		0
வடி முனை குழாய் கிணுகள் / FILTER POINT WELLS	0			D	0	0	0	0		0	0	0	D
பொங்கு ஊற்று கின்றுகள் / ARTESIAN WELLS	0			D	0	0	0	0	0	0	0	0	0
தோண்டப்பட்ட திறந்தவெளி கிணறுகள் / DUG OPEN WELLS	0			30	.0	0	0	0	0	0	.0	0	0

Form 2F Report:



GOVERNMENT OF TAMILNADU

Form - 2F

Fasli Year: 1428 District: கிருஷ்ணகிரி

Taluk: தேன்கனிகோட்டை Village: தேன்கனிகோட்டை

கிராமத்தின் பல்வேறு வகை நில வகுப்புகளின் பரப்புகளின் விவரப்பட்டி.									
நிலத்தின் வகை / Type of Land		நில அளவை	/ Land Survey	பரப்பு / Extent					
		எண் / Survey No.	உட்பிரிவு / Sub division	ஹெக் / Hec	ஏர் / Are				
A1	Forest	1024	2	0.00	2.00				
	Total			0.00	2.00				
C1	Trees, Groves, Plantations	1000	1	0.00	6.00				
	Total			0.00	6.00				

Form 7 Report:



6.3. G Return Report

- Nine fold classification.
- Crop details.
- Source Wise Irrigation Details.
- No of Irrigating Wells.
- Canals, Kanmai and Tanks.
- No of Wells used in House Hold & Industries.
- Mode of Pumping from Wells used In Irrigation.

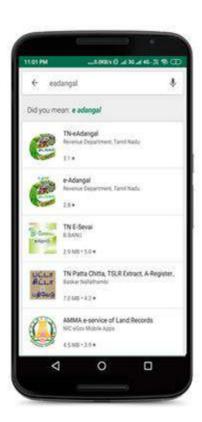
e-Adangal Mobile Application – Farmers

7. e-Adangal Mobile Application

The e-Adangal web application was developed by Commissionerate of Revenue and Disaster Management to simplify the process of making entries in Adangal and its maintenance by the Village Administrative Officer, thereby bringing in digitization and simplification of the entire process. Further to improve the process and to ease the work of officials and to enable the farmers to make entries of crop raised by them, the e-Adangal Mobile Application has been launched with the same features that are available in the e-Adangal web application.

7.1 e-Adangal Farmers application:

Step 1: The farmer has to open 'Play store' in the android mobile phone and download 'e-Adangal farmer application' and install the same in their mobile phone.

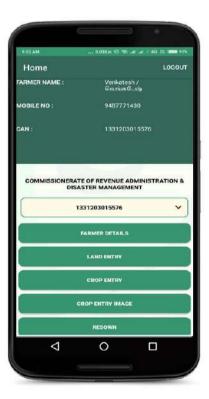


 After installing the mobile application, with the help of the CAN and registered mobile number the farmers can access the e-Adangal application. **Step2:** The farmer has to enter his registered mobile number in the application and click 'generate OTP' an SMS will be sent the registered mobile number. Upon entering the OTP and clicking 'submit' button the farmer dashboard will be displayed.



Step3: The farmer has to select his CAN and provide his basic details, bank details and contact details to proceed further.





Step4: The farmer has to enter his details viz. basic details, bank details and contact details and click 'submit to proceed further. These entries are one time registration and only if the farmers wish to change they can edit it.







Step 5: The farmer has to map his land with the CAN or if already the land has been mapped the farmer can directly make crop entry by selecting the particular survey number for which he wants to make entry.







Step 6: After mapping the land with the CAN, the farmer by selecting the particular survey number can verify the details and make entries of crop cultivated in their field.





 The farmer has to provide details like irrigation source, crop name, extent of crop cultivated etc., and click add in case of multiple crop or click 'submit' in case of single crop.





Step 7: The farmer after making entries of crop cultivated, they have to click 'crop entry image'.



 The crop image captured will display the details like name of the crop, survey number and sub division number, date and latitude and longitude of the field.



Step 8: In case, if the crop already entered by the farmer has to be modified due to some reason like flood, drought or for other reasons there is a provision 'resown' thereby clicking it the farmer has to state the reason for resown and then can make entry of the new crop raised by them.







e-Adangal Mobile Application – Officials

8. Mobile Application - Officials

Step 1: The department officials have to open 'Play store' in the android mobile phone and download 'TN e-Adangal application' and install the same in their mobile phone.



Step 2: The department officials have to enter their user name in the application and click 'Send OTP' upon which an SMS will be sent to their registered mobile number. Upon entering the OTP and clicking 'submit' button the official's dashboard will be displayed.



Step 2: The department official's dashboard will contain the list of villages in their jurisdiction and by selecting a particular village the official can make entries of crop cultivated in the respective survey number.











Step 3: Once the particular survey number is selected, the screen displays crop entry, crop image upload and other land usage.







Step 4: Once a particular survey number and sub division number is selected, then the details such as irrigation source, name of the crop, extent of cultivation, intercrop (if any), date of sowing etc., will be entered by the official and on clicking 'submit crop data' the data will be submitted.







Step 5: In case, if the official wants to make entry of land used for other purpose then they have to click 'Other land usage' and make entries of structures, builings, fallow land, trees etc.,





Step 6: The official after making entries of crop cultivated, they have to click 'crop entry image'.



 The crop image captured will display the details like name of the crop, survey number and sub division number, date and latitude and longitude of the field.



9. Training and Awareness

Training on e-Adangal application:

All the field level officials of Revenue, Agriculture, Horticulture, Sericulture and Statistical department and also the Data Entry Operators in the Common Service Centers (CSC) have been provided two rounds of hands on training on both e-Adangal Web and Mobile applications at the District level in order to enable them to efficiently use the application. In addition the representatives of the farmer associations have also been provided training to facilitate them to make their crop entries with ease in the application.

Various initiatives like demonstration of e-Adangal application in Farmers Grievances Day, Press release on e-Adangal, Pamphlets etc., have been taken at the district level to popularize the e-Adangal application and also to bring awareness among the farmers.

