

# **E-Pest Surveillance & Pest Management**

**Department of Agriculture and Farmers' Empowerment**

**ADO - Manual**

# Mobile Application:

## Steps for ADO:

- Visit the URL: “<https://www.epestodisha.nic.in/adoApp/authentication>” using the Google Chrome browser.
- In the authentication screen, enter the correct username and pin provided to user. The default pin is “123”. (If the Username is not provided, please contact the department for the same.)
- To begin the Pest verification process, the user must synchronize data by authentication process in the “Synchronization” page. (If the user is accessing the account for the first time, he / she will be redirected to Change Password page. For further subsequent synchronizations, the new password will be required.)
- Three sections namely – ‘Crop Details’, ‘Pest Details’ and ‘Photo & Location details’ are to be verified by user for the successful submission of verification process.
- The Verification process can only be carried out 1 days / week (Friday).
- To view the emergency cases, the user should go to the “Emergency Case” page.

## Note:

- The Reference Number generated by the concerned VAW will be shown to ADO for verification, if AAO could not identify pest. (If AAO could not attend the cases for a week, the same will be automatically forwarded to ADO.)
- The ADO will be allowed to modify Pest details even if the VAW issues advisory. (In case wrong advisory is given by VAW, the ADO can change the same.)
- A notification regarding the number of pending emergency cases will be displayed on the left side menu bar. The details can be seen on the same page.

## Step-by-step Explanation with Screenshots:

- Use of smart-phone is mandatory and the recommended browser is 'Google Chrome'.
- Open the Google Chrome browser and visit the link: "https://www.epestodisha.nic.in/adoApp/authentication".
- In the Authentication screen, enter the correct username and pin provided by the department and click on the Enter button. (In case the username is not received. Kindly contact the concerned authority.)
- The default pin is "123".

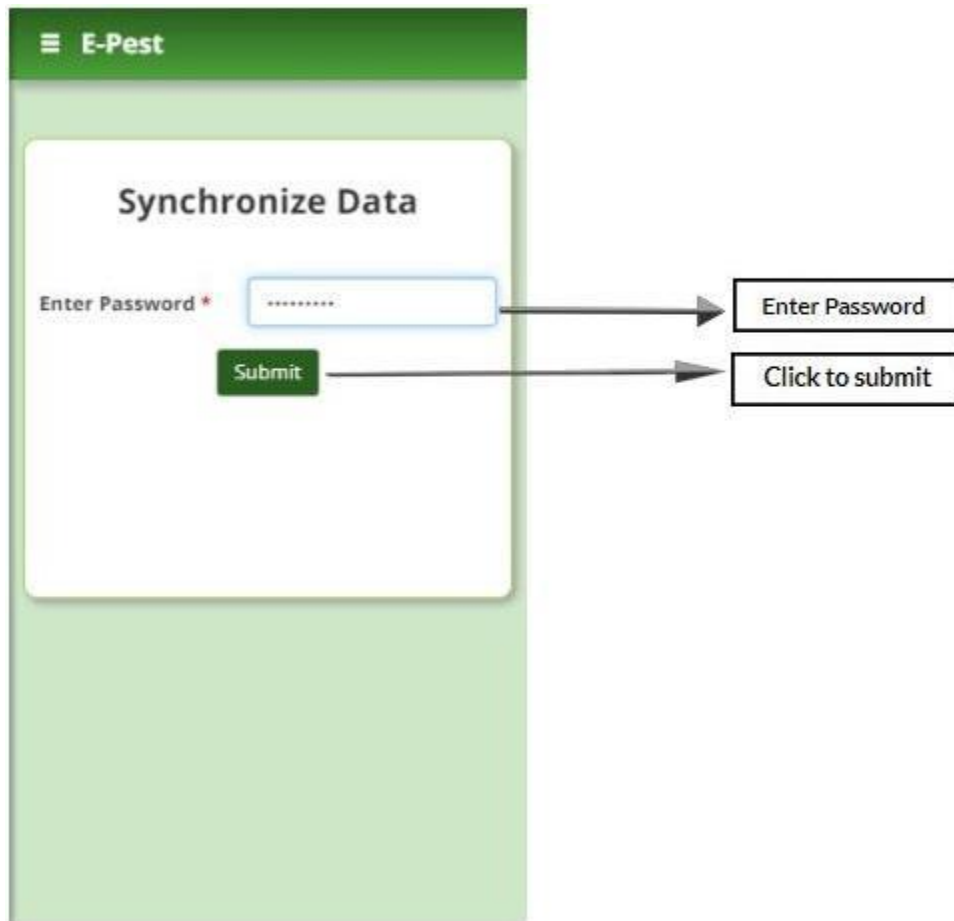
The screenshot shows the e-Pest authentication interface. At the top, there is a logo with three green leaves and the text "e-Pest". Below the logo, the text "e-Pest" is displayed in a larger font. The form contains two input fields: "Username" with the value "ADO\_1" and "Pin" with three dots. A green "ENTER" button is positioned below the input fields. At the bottom, there is a link for "Forgot Username / Pin". Three arrows point from the input fields and the button to external labels: "Enter Username" points to the username field, "Enter Pin" points to the pin field, and "Click to login" points to the "ENTER" button.

- After authentication, the user will be redirected to 'Synchronization' screen. If the user is accessing the account for the first time, then he / she will be redirected to 'Change Password' screen.
- It's mandatory to change password for the first time. If the user has changed password in web application, the above procedure won't be required.
- For further subsequent synchronizations, the new password will be required.

The image shows a mobile application interface for changing a password. The header is green with a hamburger menu icon and the text 'E-Pest'. The main content area is white with a green border and the title 'Change Password'. There are three input fields, each with a red asterisk indicating it is required. The first field is 'Old Password \*' with a greyed-out password. The second is 'New Password \*' with a greyed-out password and a green checkmark. The third is 'Confirm Password \*' with a greyed-out password and a green checkmark. Below the fields is a green 'Submit' button. To the right of the form, four callout boxes with arrows pointing to the form elements: 'Enter Old Password' points to the first field, 'Enter New Password' points to the second field, 'Confirm Password (must match with the new password)' points to the third field, and 'Click to submit' points to the 'Submit' button.

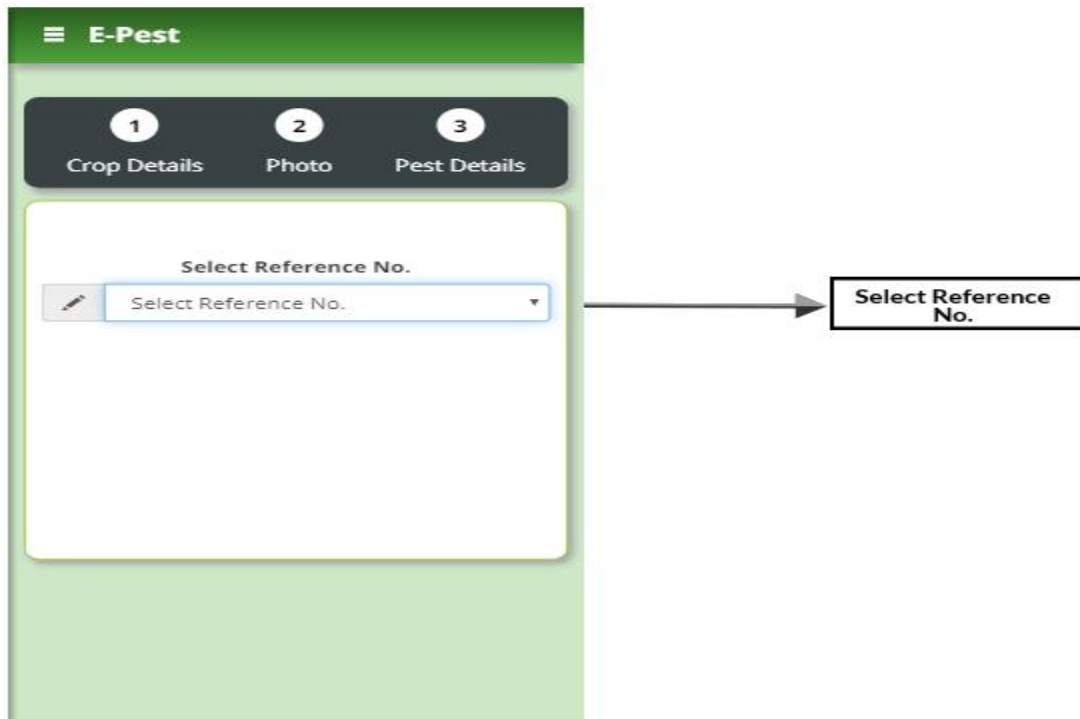
- In the 'Synchronization' page the user needs to enter password for the authentication purpose.
- Here the updated data will be downloaded to mobile as well as the same will be uploaded to the server for a smooth offline experience.

- After successful synchronization, the user will be redirected to the 'Home' page.
- To begin the Pest Verification, click on the 'Verification' button on the sidebar menu.



- The 'Verification' process is divided into 3 sections, namely – 'Crop Details', 'Pest Details' and 'Photo & Location details'.
- A dropdown containing Reference Numbers will be populated. In order to proceed for verification, please select the Reference Number.
- In the 'Crop details' section, all the crop related data entered by VAW will be shown.
- On clicking the 'Proceed' button, the user will be redirected to 'Photo & Location details' section.
- The Reference Number generated by the concerned VAW will be shown to ADO for verification, if AAO could not identify pest. (If AAO could not

attend the cases for a week, the same will be automatically forwarded to ADO.)



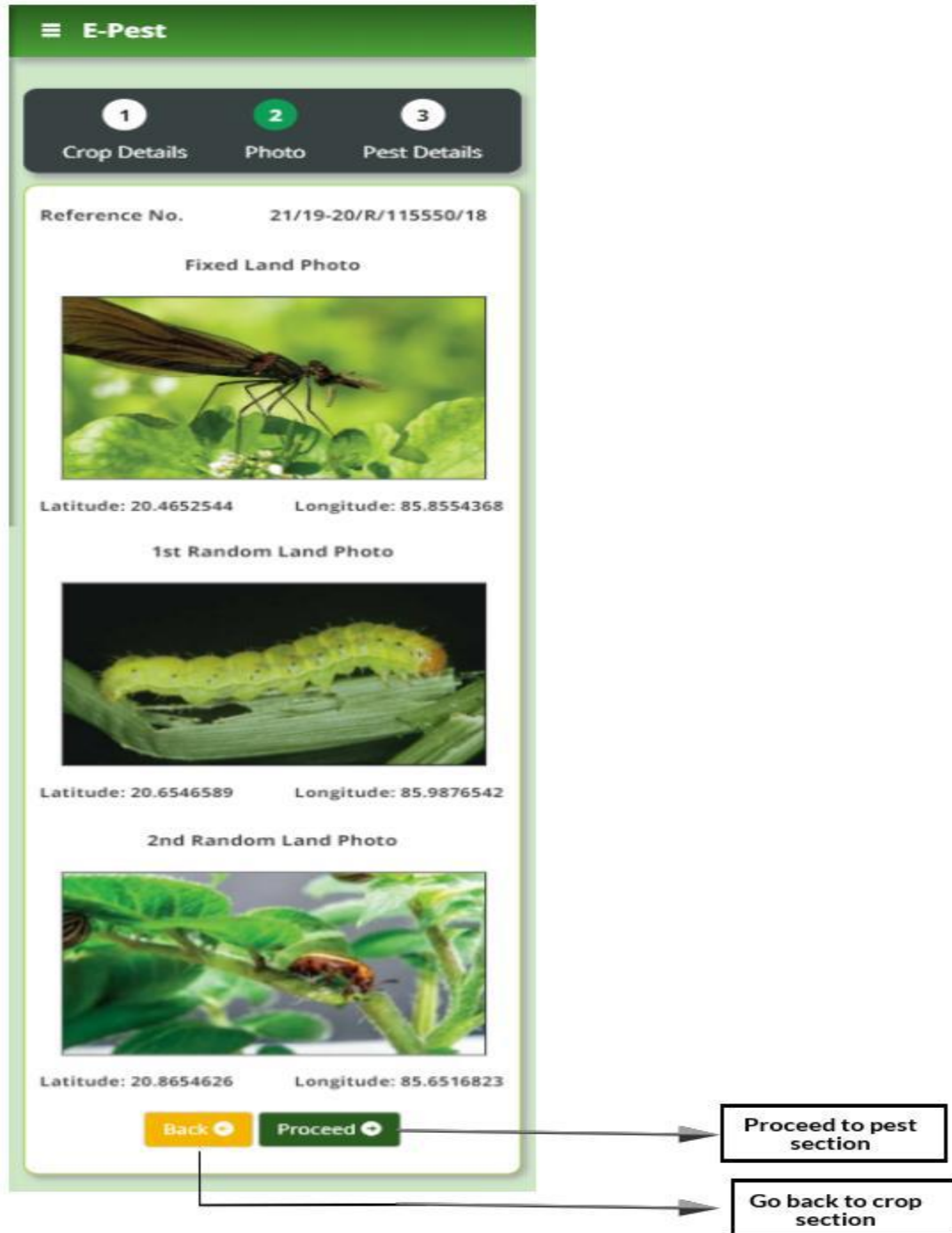
**E-Pest**

1 Crop Details    2 Photo    3 Pest Details

Reference No.	21/19-20/R/115550/18
Block	Anugul
GP	Angarbandha
Village	Samakoi
Mobile No.	8093335151
Season	Rabi
Crop Category	Oil Seeds
Crop	Ground Nut
Crop Stage	Tillering / Early Vegetation

Proceed → Proceed to photo location section

- In the 'Photo & Location details' section, photographs and GPS location of the pest infected area entered by VAW will be shown. Identify the pest and proceed to the 'Pest details' section by clicking on 'Proceed' button.



- In the Pest details section, all the pest related data entered by VAW will be shown. In case the data is incorrect, click on the 'Modify' to edit the data. After the modification is completed, click on the 'Update' button to save modified data.
- The user can issue the advisory if and only if the pest is identified.



- The total area treated must be less than or equal to the total area affected.
- The moderate advisory can be given if and only if the moderate pest intensity area is present. The same goes for the high advisory.
- On submitting the 'Pest details' section, the pest verification process for the selected Reference Number is completed and the user will be redirected to 'Home' page.
- Re-visit the 'Synchronization' page and follow the above steps to synchronize the updated data.

**E-Pest**

1 Crop Details    2 Photo    3 Pest Details

Reference No. : 21/19-20/R/115550/18

Pest Identified : Yes

Pest Name : Jassids

Area of Land : 3 ha

Area Affected (in Hectare) :---

Low	Moderate	High	Total
1 ha	1 ha	1 ha	3.0 ha

Area Treated (in Hectare) :---

Low	Moderate	High	Total
1 ha	1 ha	1 ha	3.0 ha

Pest Population / Nature of Damage :---

Moderate : Jassids 3 - 9 Jassids / Plant

High : Jassids > 10 Jassids / Plant

Advisories :---

Moderate : Ground Nut - Jassids - OXYDEMETON - METHYL 25% EC - 2.0 ml/litre of water

High : Ground Nut - Jassids - IMIDACLOPRID 17.8% SL - 1.0 ml/3 litre of water

Back    Modify    Submit

Submit Pest Details

Go back to crop section

Click to modify pest section

**E-Pest**

1 Crop Details    2 Photo    3 Pest Details

Reference No. 21/19-20/R/115550/18

Pest Identified  Yes  No

Select Pest

Area of Land  ha

Area Affected (in Hectare) :---

Low  Moderate  High

Total Area Affected 3.0 ha

Area Treated (in Hectare) :---

Low  Moderate  High

Total Area Treated 3.0 ha

Pest Population / Nature of Damage :---

Moderate  High

Advisories :---

Moderate  High

Is Pest Identified?

Select Pest

Enter area of land

Enter Low , Moderate and High area affected

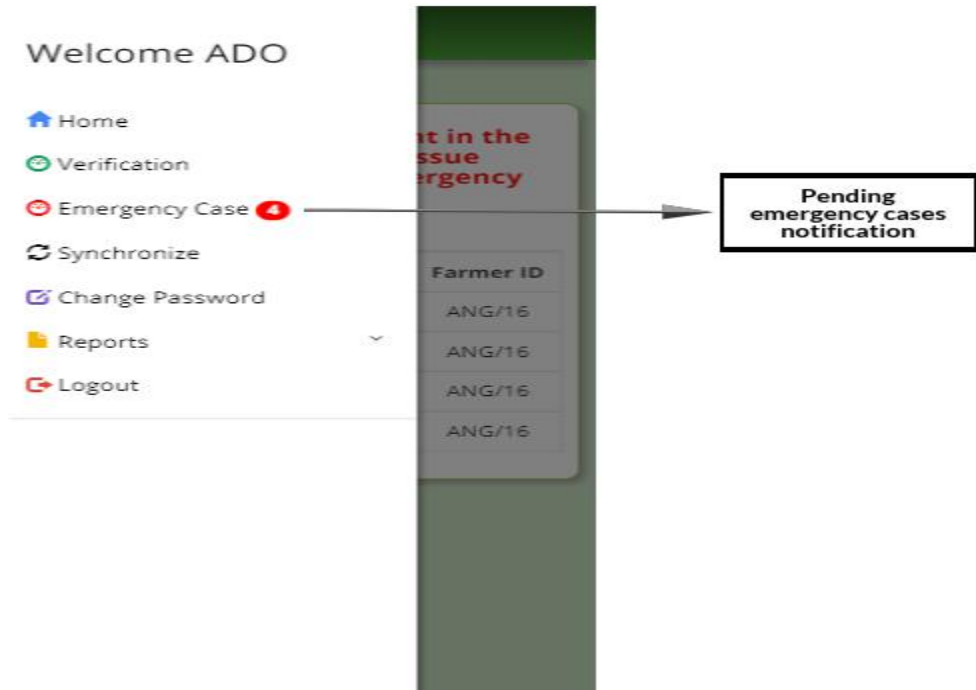
Enter Low , Moderate and High area treated

Select Moderate and High pest population

Select Moderate and High advisories

Click to Update and proceed to submit

- In order to view the pending emergency cases, the user is notified in the 'Emergency Case' button in the left side menu bar. The details of the same can be viewed in the page.



## **Web Application:**

### **Steps for ADO:**

- Visit the URL: “epestodisha.nic.in” using the Google Chrome browser. In order to sign-in click on the ‘Login’ button in the main menu of the home page.
- In the login screen sign-in with the correct user credentials provided to user and enter captcha as displayed. The default password is “Test@1234”. (If the User ID and the Password are not provided, please contact the department for the same.)
- The user must change the password after initial login. For further subsequent logins, the new password will be required to access the account.
- In the ‘Emergency Case’ page, the user can view the crop and photo details of emergency cases.
- In the ‘Message for JDA (PP)’ page, the user can send a message to JDA (PP) in case of emergency pest outbreak. The JDA (PP) will receive the same in SMS format.

### **Step-by-step Explanation with Screenshots:**

- Visit the URL: “epestodisha.nic.in” using the Google Chrome browser. In order to sign-in click on the ‘Login’ button in the main menu of the home page.
- In the Login screen, enter the correct user credentials provided by the department (along with the captcha) and click on the Login button. (In case the user credentials are not received. Kindly contact the concerned authority.)
- The default password is “Test@1234”.

- After the initial login, user will be redirected to the ‘Change Password’ page. It’s mandatory to change password for the first time. If the user has already changed password, the above procedure won’t be required.
- For further subsequent logins the new password will be required to access the account and the user will be redirected to the ‘Home’ page.

- In the ‘Emergency Case’ page, user will view the emergency cases’ Reference No.
- On clicking the ‘View Crop & Photo details’, the details entered by farmer can be viewed in a modal pop-up.

- The advisory against the case can be given if and only if the pest is identified. If the advisory is given, the farmer receives the advisory as SMS. If the advisory is not given, then the same is escalated to JDA (PP) for further process.

The screenshot shows the E-Pest dashboard with a sidebar on the left containing navigation options like Home, Dashboard, Emergency Case, Message for JDA(PP), Change Password, and Reports. The main content area is titled 'Advisory details for Emergency Case' and contains a section for 'Emergency Case Crop Photo details'. This section features a table with three rows, each containing a 'Serial No.', a 'Reference No.', and a 'View Crop Photo details' button. Callout boxes with arrows point to the 'View' buttons and the 'Reference No.' column, with labels: 'Click to view emergency case details' and 'List of Emergency Reference No.'. At the bottom of the dashboard, it says 'Designed and developed by National Informatics Centre (NIC), Bhubaneswar, Odisha'.

Serial No.	Reference No.	View Crop Photo details
1	EMR/19-20/R/115709/1	<a href="#">View</a>
2	EMR/19-20/R/115709/3	<a href="#">View</a>
3	EMR/19-20/R/115709/6	<a href="#">View</a>

The screenshot shows the 'Emergency Crop & Photo details' form. It includes fields for Reference No., Block, GP, Crop Category, and Crop. There are three photo upload sections: 'Fixed Land Photo', '1st Random Land Photo', and '2nd Random Land Photo', each with associated latitude and longitude coordinates. A 'Process Flow for E-Pest' diagram is shown. The 'Pest Identified' section has radio buttons for 'Yes' and 'No', and a 'Select Pest' dropdown menu. Below this are 'Advisories' for 'Moderate' and 'High' severity, each with a selection box and a list of pesticides. At the bottom, there are 'Submit' and 'Close' buttons. Callout boxes with arrows point to the 'Is pest identified?' radio buttons, the 'Select Pest' dropdown, the 'Advisories' selection boxes, and the 'Submit' button, with labels: 'Is pest identified?', 'Select Pest', 'Select medium and high advisories', and 'Click here to submit the emergency case'.

- In the 'Message for JDA (PP)' page, the user will enter message in case an emergency pest outbreak occurs. All the previously entered messages is shown below.

The screenshot shows the 'Message for JDA(PP)' page in the E-Pest application. The page has a dark sidebar on the left with navigation options: Home, Dashboard, Emergency Case, Message for JDA(PP), Change Password, and Reports. The main content area is titled 'Message for JDA(PP)' and includes a sub-header '(in case of emergency conditions)'. Below this is a text input field containing 'Test Message C' and a 'Submit' button. A '286 characters remaining' indicator is visible. Below the input field is a table titled 'Previous messages given to JDA(PP)' with three columns: 'Serial No.', 'Message for JDA(PP)', and 'Sent Date'. The table contains two rows of data. Annotations with arrows point to the text input field, the 'Submit' button, and the table.

Serial No.	Message for JDA(PP)	Sent Date
1	Test Message A	15-05-2019
2	Test Message B	15-05-2019

Annotations:

- Type message for emergency pest outbreak
- Click on submit to send message
- Previously sent message details

Designed and developed by National Informatics Centre (NIC), Bhubaneswar, Odisha