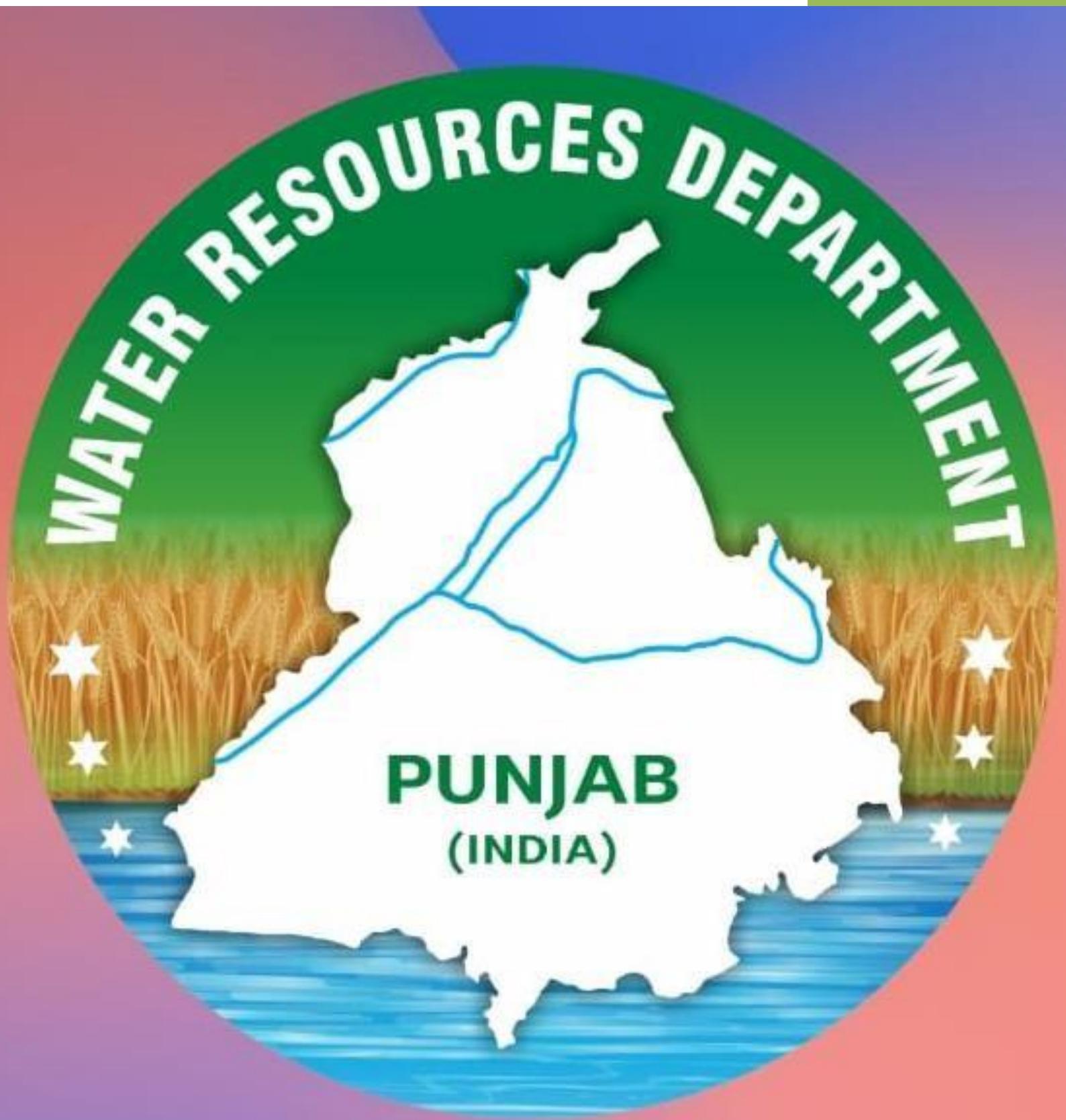


Punjab Irrigation Support and management System (PISMS): Mobile & Web Application

User Manual
2025

e-Sinchai



e-Sinchai

Punjab Irrigation Support and Management System (PISMS)

Funded By



Water Resource Department, Govt. of Punjab

Designed and Developed by-



**Punjab Remote Sensing Centre (PRSC),
PAU campus Ludhiana, Punjab-141004**

Contents

1. Mobile Application Manual.....	4
1.1. Farmer's Account	4
1.1.1. Registration	4
1.1.2. Login Page	4
1.1.3. Create a new request	5
1.1.4. Application Overview (Dashboard)	7
1.1.5. View Application Status	8
1.1.6. Change Password	10
1.1.7. Update Profile	11
1.2. Super Admin Account / Official's Login.....	12
1.2.1. Login, Dashboard, and Menu Navigation.....	12
1.2.2. List of Officials	13
1.2.3. Update Profile	15
1.2.4. List of Farmers.....	16
1.2.5. Pending with Me	17
1.2.6. Delay Justifications.....	18
1.2.7. Application Overview (Dashboard): Total, Pending, Approved, Rejected Applications	20
1.2.8. Authorities Mapping	22
1.2.9. Bulk Authorities Mapping	25
1.2.10. Assign Authorities Mapping	26
1.2.11. Chakbandi Proforma	28
1.2.12. CO40 Proforma.....	30
1.2.13. Warabandi Proforma	32
1.2.14. Revenue Data – Workflow & Functionality.....	36
1.2.15. MIS Report	38
1.2.16. GIS Portal.....	39

1. Mobile Application Manual

1.1. Farmer's Account

1.1.1. Registration

To create a new farmer account, follow these steps:

- Open the **PISMS Mobile App.**
- On the **Login Page**, click **SIGN UP**. (*Fig. 1*)
- The **Registration Form** will appear. Fill in the details:
 - Name
 - Father's Name
 - Date of Birth (DOB)
 - Mobile Number
 - Email ID
 - Password (create a secure password)
 - Aadhaar Number
 - District, Tehsil, Block, Village
 - Address
 - Gender*(Fig. 2 & 3)*

1.1.2. Login Page

- Open the PISMS App.
- Select your Role (Farmer / Official).
- Enter your E-mail / Mobile Number / User ID and Password.
- Tap on **SIGN IN**. (*Fig. 1*)
- If you forgot your password, use the 'Forgot Password?' Option to reset it.



Fig. 1



Fig. 2



Fig. 3

1.1.3. Create a new request

The “**Create a New Request**” feature in the PISMS Mobile Application enables farmers to digitally submit applications related to irrigation services without visiting offices physically. Through this option, farmers can provide details of their land, water channel, and irrigation requirements, along with supporting documents.

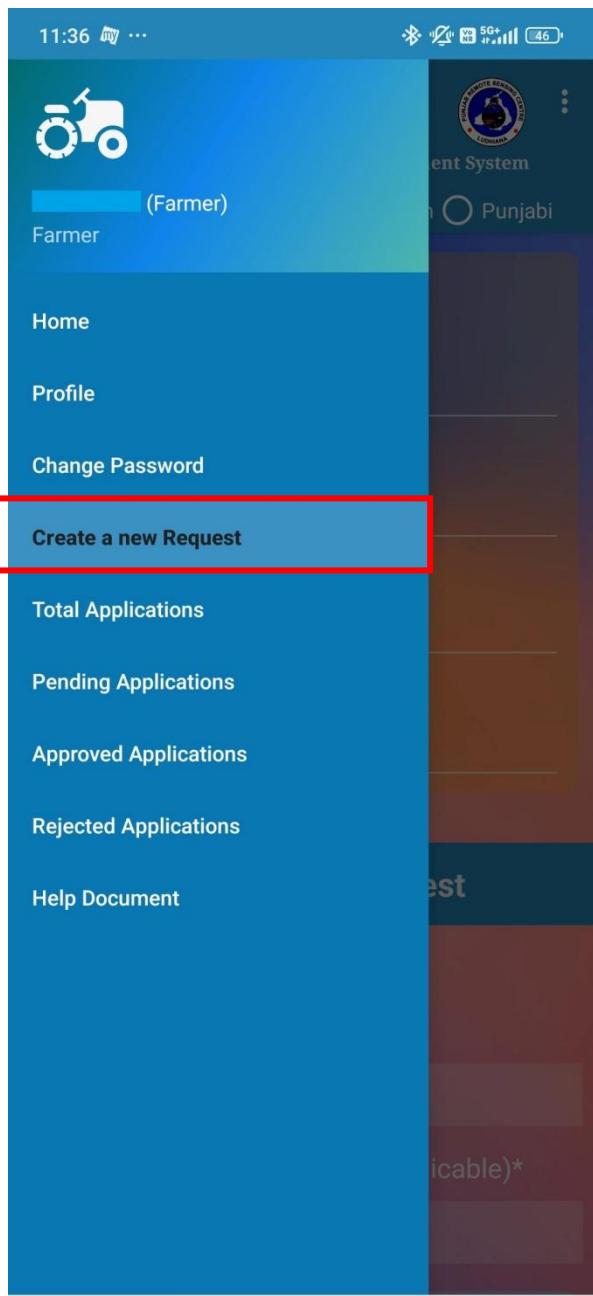


Fig. 4

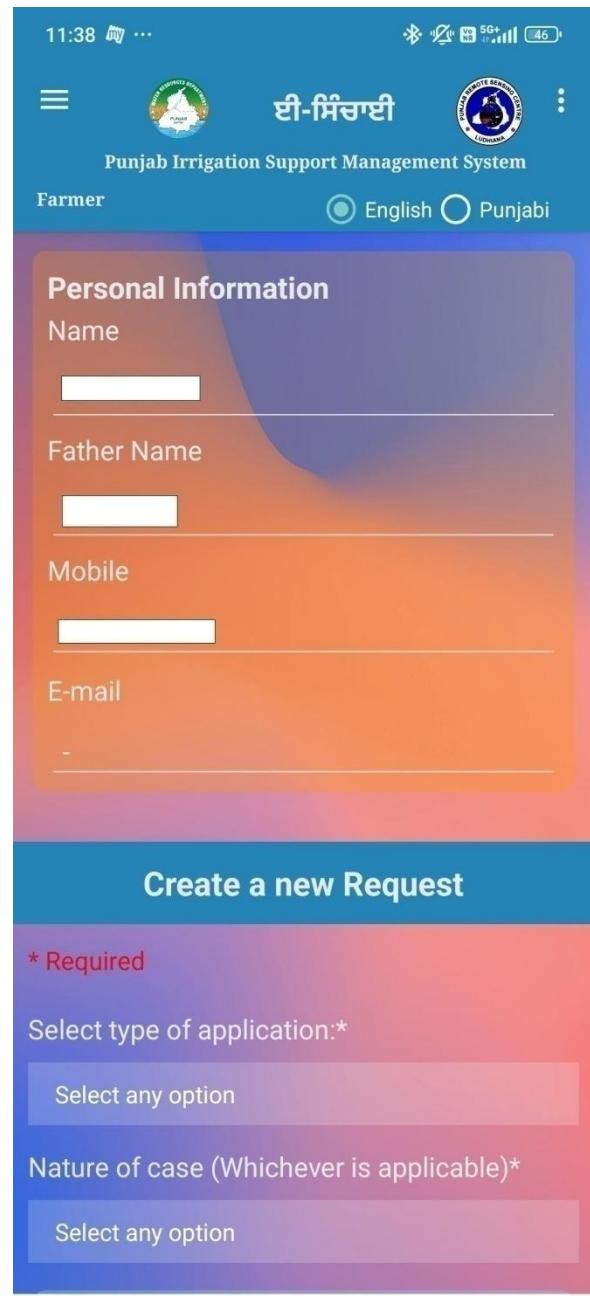


Fig. 5

Steps to Create a Request:

- Open the Menu → Tap the **☰ Menu (three lines)** on the top left.
- Select “**Create a New Request**”. (Fig. 4)
- The **Create a New Request Form** will open.

Fill in the information:

- **Personal Information**

- Name (Auto-filled)
- Father’s Name (Auto-filled)
- Mobile Number (Auto-filled)
- Email

- **Application Details**

- Select **Type of Application**
- Select **Nature of Case**
- Select **District, Tehsil, Block, Village**
- Select **Name of Water Channel**
- Select **R.D. of Outlet** with Patwari’s Name
- Enter **Acreage of Land**
- Enter **Mustil No. and Killa/Khasra No.**
- Provide **Reason in detail** for submitting the request

- **Attach Documents**

Select the documents you are submitting along with the application (tick one or more):

- Jamabandi
- Chakbandi
- Naksha Nakal
- Wara Bandi
- Any other document

- Once all fields are filled, click on the submit button.
- The request will be submitted and tracked under “**Pending Applications**” in the menu.

The screenshot shows the 'Create a new Request' form in the e-Sinchai app. At the top, it displays the system's name and language options (English/Punjabi). The form is divided into several sections: 'Select type of application*', 'Nature of case (Whichever is applicable)*', 'Application Detail' (with fields for District, Tehsil, Block, Village), 'Name of Water Channel*', 'R.D. of Outlet with side with Patwari Name*', 'Enter Acreage of Land*', 'Mustil No.*', 'Enter Killa/Khasra No.*', and 'Reason in detail, for submitting the application:'. At the bottom, there is a list of documents to attach, with checkboxes for Jamabandi, Chakbandi, Naksha Nakal, Wara Bandi, and Any other. A large blue 'SUBMIT' button is at the very bottom.

Fig. 6

1.1.4. Application Overview (Dashboard)

Once logged in, the farmer is directed to the **Main Dashboard**.

Features of the Dashboard:

- **Create a New Request:** A quick shortcut button to directly submit a new application.
- **Total Applications:** Displays the **total number of applications** submitted by the user.
- **Pending Applications:** Shows applications that have been submitted but are **awaiting review/approval** by the authorities.
- **Approved Applications:** Lists all applications that have been **successfully approved** by the department.
- **Rejected Applications:** Displays applications that were **rejected**, along with reasons provided by the authority.

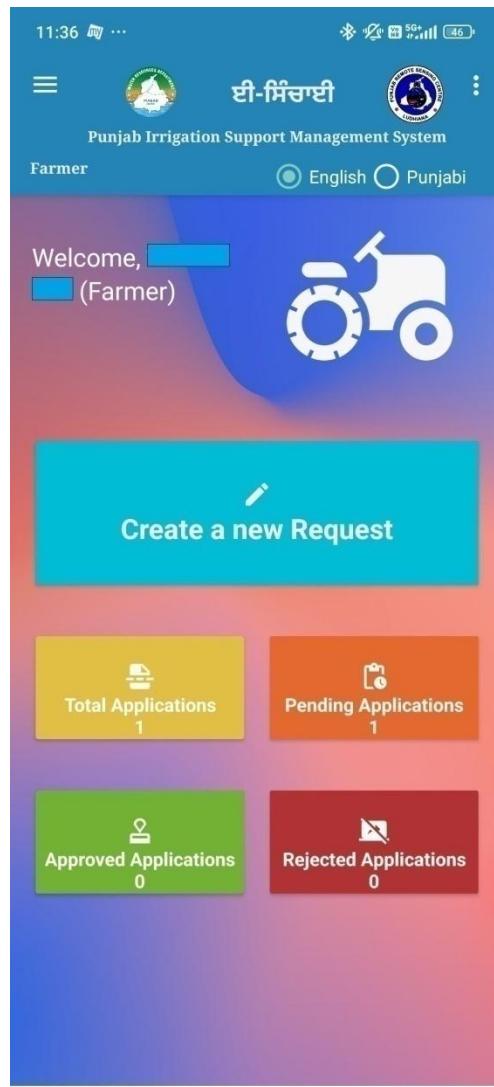


Fig. 7

1.1.5. View Application Status

The **View Application Status** feature allows farmers to track the progress of their submitted requests in real-time.

Steps to View Status:

- Open the PISMS Mobile App and log in.
- Go to the **Dashboard → Total Applications**.
- Select the desired application from the list.
- Tap **View Status** to see the detailed tracking history.

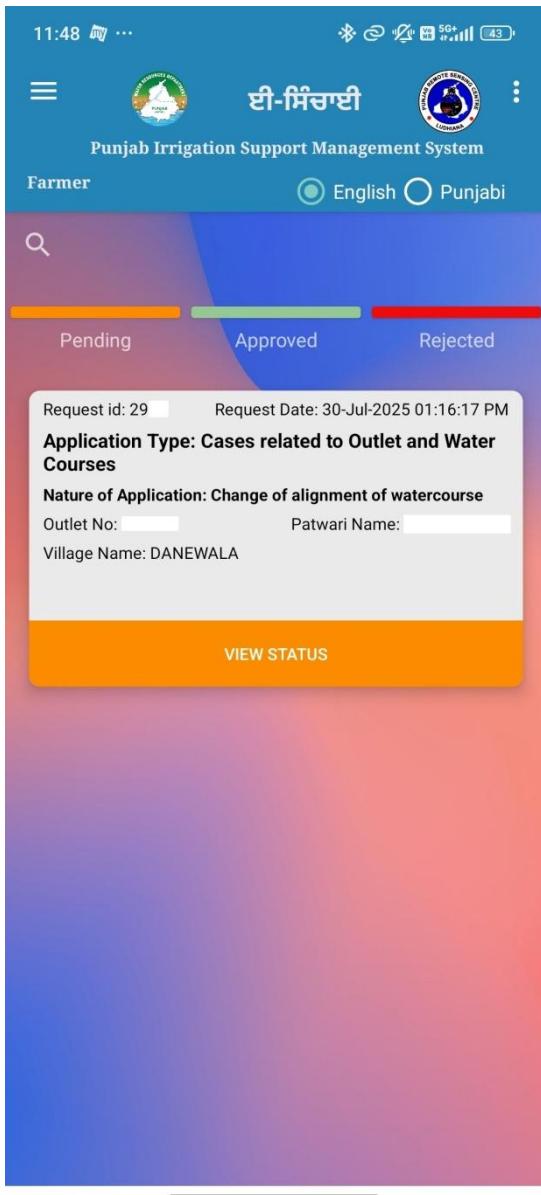


Fig. 8

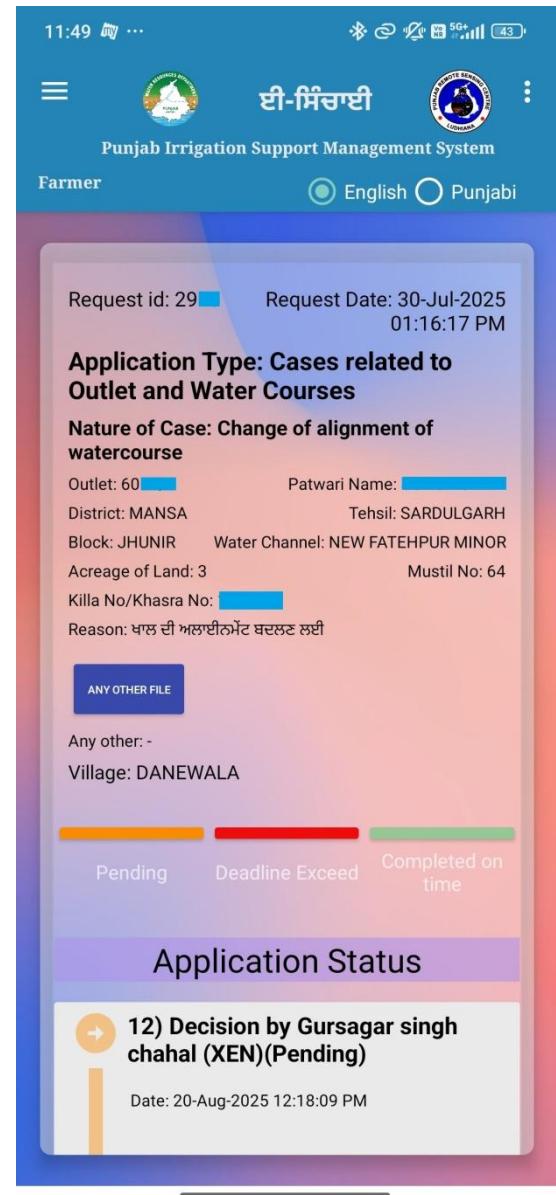


Fig. 9

Features of Application Status:

- **Application Summary:** Shows request ID, type of case, district, tehsil, outlet details, patwari name, village, acreage of land, and other related information.
- **Status Bar:**
 - **Orange (Pending)** → Application is under review.
 - **Red (Deadline Exceed)** → Action not completed within defined time.
 - **Green (Completed on time)** → Application processed successfully.
- **Timeline View:** Displays the full journey of the application, including forwards, approvals, notices, and decisions by different officials.
- **Document Access:** Farmers can view or download notices and uploaded documents from officials.
- **Official Details:** Every step shows the official's name, designation, and action date/time.



Fig. 10

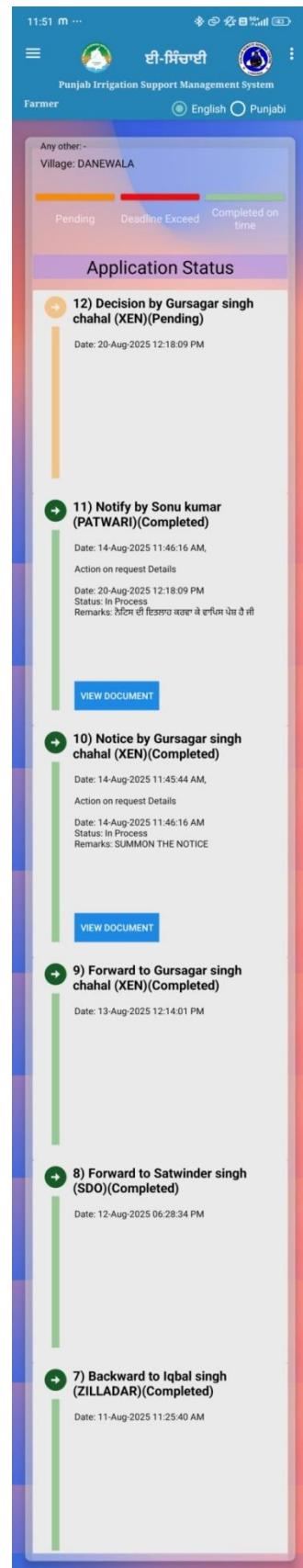


Fig. 11

1.1.6. Change Password

The **Change Password** feature allows users to update their login credentials for enhanced account security. Users must provide their current password and then set a new password.

Steps to Change Password:

- Open the **PISMS Mobile Application** and log in with your credentials.
- From the main menu, navigate to the **Change Password** option.
- Enter your **Old Password** in the first field.
- Enter your **New Password** in the second field.
- Re-enter the **New Password** in the **Confirm New Password** field (for verification).
- Tap the **Change Password** button to save the changes.



Fig. 12

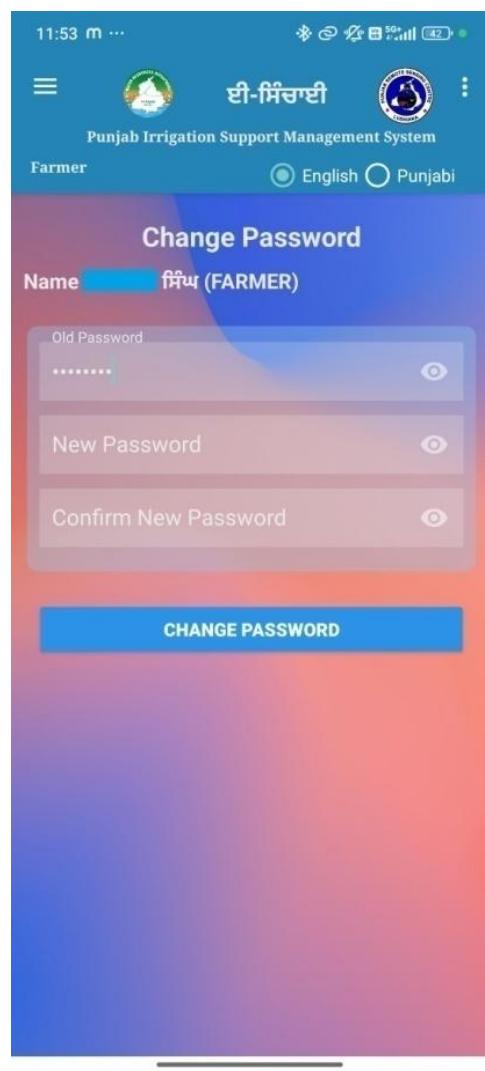


Fig. 13

1.1.7. Update Profile

The **Update Profile** feature allows users to edit and maintain their personal information within the **Punjab Irrigation Support and Management System (PISMS)** application. This ensures that the database contains accurate details of farmers for effective communication and service delivery.

Steps to Update Profile:

- Log in to the **PISMS Mobile Application** using your credentials.
- Open the **menu** and select the **Profile** option.
- The **Profile Page** will appear, displaying your registered details.
- Update the following fields as required (fields marked with * are mandatory):
 - Enter Your Name*
 - Enter Your Father's Name*
 - Date of Birth (DOB)*
 - Mobile Number*
 - Email Address (**optional**)
 - Aadhaar Number
 - District, Tehsil, Block, and Village* (**select from dropdown lists**)
 - Address Details*
 - Gender*
- Once all necessary changes are made, tap the **UPDATE PROFILE** button.



Fig. 14

1.2. Super Admin Account / Official's Login

1.2.1. Login, Dashboard, and Menu Navigation

Login

- On opening the **Punjab Irrigation Support and Management System (PISMS)** mobile app, the login screen appears.
- Select your **User Type** (e.g., Farmer, SE, etc.) from the dropdown.
- Enter your **E-mail/Mobile No./User ID** and **Password** in the respective fields.
- Tap **SIGN IN** to access the application.
- If you do not have an account, tap **SIGN UP** to register.
- In case of forgotten password, tap **FORGOT PASSWORD?** to reset it.
- You may also switch the app language between **English** and **Punjabi** by selecting the **Change Language** option.

Dashboard

- After login, the **Dashboard** provides a quick overview of the system activities.
- It displays user information (e.g., "Welcome, BHULLAR (SE)").
- Dashboard statistics include:
 - **Pending with me** – Applications awaiting your action.
 - **Delay Justifications** – Total and pending justifications for delayed applications.
 - **Pending Applications** – Applications awaiting review or approval.
 - **Total Applications** – All applications in the system.
 - **Approved Applications** – Successfully processed applications.
 - **Rejected Applications** – Applications declined after review.



Fig. 15



Fig. 16



Fig. 17

Menu Navigation

- Tap the **☰ (menu icon)** on the top-left corner to open the side navigation menu.
- Menu options include:
 - **Home** – Return to Dashboard.
 - **Update Profile** – Modify user details.
 - **Change Password** – Update login password.
 - **List of Officials** – View registered officials in the system.
 - **List of Farmers** – Access farmer details.
 - **Pending with me** – View applications currently assigned to you.
 - **Delay Justifications** – Manage delay explanations for applications.
 - **Total Applications** – View all submitted applications.
 - **Pending Applications** – Track applications still in process.
 - **Approved Applications** – Check approved application records.
 - **Rejected Applications** – Review rejected cases.
 - **Authorities Mapping** – Access authority-level mapping tools.
 - **Chakbandi Proforma** – Fill or review Chakbandi (land consolidation) related forms.
 - **C040 Proforma** – Access C040-related forms and records.
 - **Warabandi Proforma** – Fill or manage Warabandi (water rotation schedule) related forms.
 - **Revenue Data** – Access land and revenue records integrated with the system.
 - **MIS Report** – Generate and view Management Information System reports for decision-making.
 - **GIS Portal** – Access geospatial tools and maps for irrigation planning and monitoring.

1.2.2. List of Officials

The **List of Officials** module in the PISMS Mobile & Web Application allows users (Authorities/Officials) to view and manage the directory of officials working in the irrigation system. This feature provides easy access to official details, filtering options by designation, and the ability to download official data.

Steps to Use:

- **Access the Menu-** From the left navigation panel (Fig. 18), tap “**List of Officials**”.
- **Filter Officials**
 - A drop-down list of all designations will appear (e.g., Admin, SuperAdmin, CE, XEN, SDO, Patwari, Zilladar, Draftsman, etc.).
 - Select the required designation to view officials of that type.
 - By default, the option “**All**” shows every official in the system (Fig. 19).
- **Search Officials-** Use the **search bar** to type the official’s name, designation, or ID for quick access.
- **View Official Details**
 - Each official is displayed in a **card format** with details:
 - **Name**
 - **User Type (Designation)**
 - **Mobile Number**
 - Tap “**View Details**” on any card to access the official’s detailed profile (Fig. 20).

➤ Download List

- Tap the “Download Sheet” button to generate a report of officials (Fig. 21).
- A notification will confirm:
“Sheet generated successfully. Please check your download folder.”



Fig. 18



Fig. 19



Fig. 20



Fig. 21

1.2.3. Update Profile

The **Update Profile** feature in the Punjab Irrigation Support and Management System (PISMS) allows users to manage and update their personal and official details. This ensures that user information remains accurate and up to date within the system.

Steps to Update Profile

- **Access Profile Update-** From the main menu, tap “**Update Profile**.”

- **View Existing Details**

The profile form will open showing pre-filled details such as:

- **User ID**
- **Username**
- **Name**
- **Father's Name**
- **Date of Birth**
- **Mobile Number**
- **Email ID**
- **Aadhaar Number**
- **Circle Office**
- **Division Office**
- **Sub Division Office**
- **HRMS Code**
- **JE Section**
- **Zilladari Section**
- **Address Details**
- **Gender**

- **Edit Information**

- Update any editable field (e.g., Name, Father's Name, DOB, Mobile, Email, Aadhaar, Address, Gender).
- Office-related details (Circle, Division, Sub Division, JE Section, Zilladari Section, HRMS Code) are usually system-assigned and **non-editable**.

- **Save Changes**

- After making updates, tap the “**UPDATE PROFILE**” button.
- A confirmation message will appear indicating that the profile has been successfully updated.

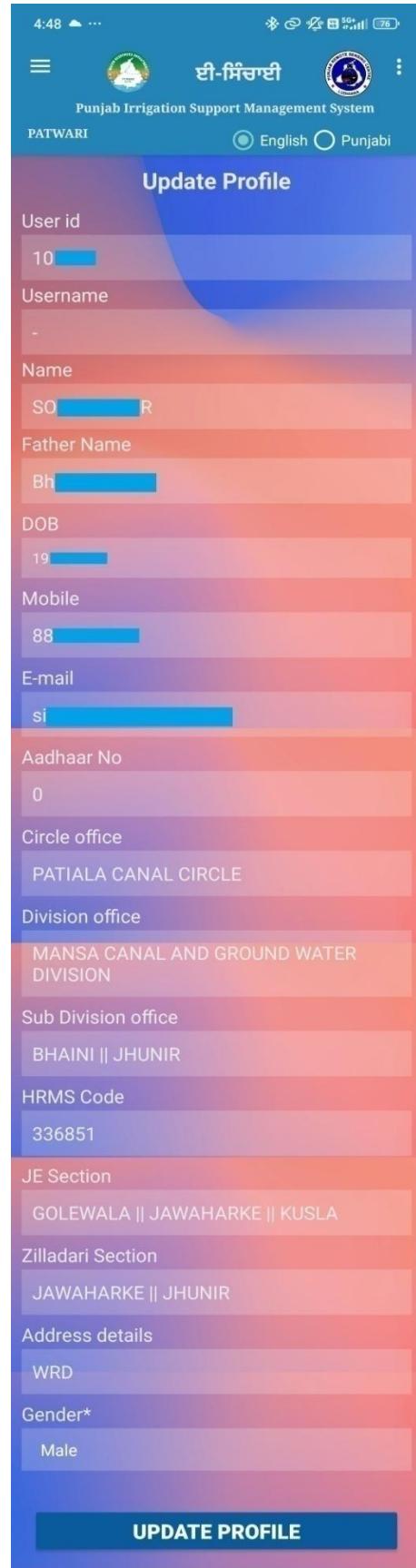


Fig. 22

1.2.4. List of Farmers

The **List of Farmers** module provides officials with quick access to detailed information about all farmers registered under the Punjab Irrigation Support and Management System (PISMS). This feature enables authorities to view, search, and download farmer records for administrative and monitoring purposes.

Key Features

- **Navigation:** From the left-hand menu, select “**List of Farmers**” to access farmer records (Fig. 23).
- **Farmer Details:** Each farmer’s card displays the following information:
 - Name of the farmer
 - User Type (farmer)
 - Village name
 - Mobile number
 - Additional details like Khasra/Khewat or ID
- **Download Sheet:** Officials can generate a consolidated report by tapping on the “**Download Sheet**” button (Fig. 25).
 - A sheet containing farmer details is automatically generated.
 - The system confirms successful generation with a notification: “*Sheet generated successfully. Please check your download folder.*”
- **View Details:** Tapping “**View Details**” on any farmer card opens the complete profile of the selected farmer, including request history, application status, and other relevant records.



Fig. 23



Fig. 24

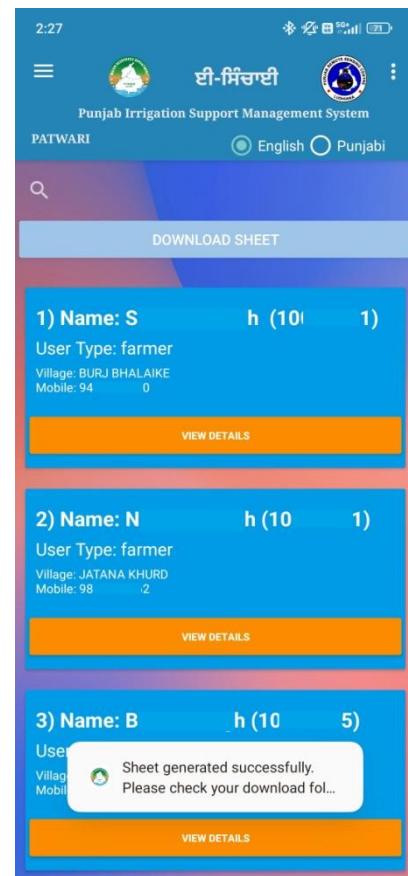


Fig. 25

1.2.5. Pending with Me

The **Pending with Me** option allows officials (e.g., Patwari, Canal Officer, etc.) to view applications that are currently assigned to them for review, action, or forwarding.

Steps to Access:

- **Login** with your official credentials.
 - From the **Dashboard**, tap on **Pending with Me** (Blue card on Dashboard) Fig. 26.
- (Alternatively, open the **side menu** and select **Pending with Me**.) Fig. 27



Fig. 26



Fig. 27

Pending Applications Screen:

- Displays a list of applications assigned to you.
- Each application card shows:
 - **Request ID & Date**
 - **Application Type** (e.g., Outlet & Water Courses)
 - **Nature of Case** (e.g., Transfer of area from one outlet to another)
 - **Farmer Name & Village**
 - **Forwarding Information** (which user sent the request to you)

* You can **Download Sheet** of applications for offline reference.

Viewing & Acting on an Application:

- Tap on the application card to open details.
- The **Application Detail Page** will display:
 - Request ID & Date
 - Application Type and Nature of Case
 - Farmer and Village Details

- Linked Proformas (**Chakbandi, CO40, Warabandi**) – can be edited or viewed.
- Action Panel (at the bottom):
 - **Enter Remarks**
 - **Forward to next authority**
 - **Attach File** (if required)
 - **Change Status** (In Process / Completed)
- Tap **Save the Details** to submit action.

Application Status:

- At the bottom of the page, you can view the **workflow history**.
- Shows which official the application has been forwarded to and the current **status**.

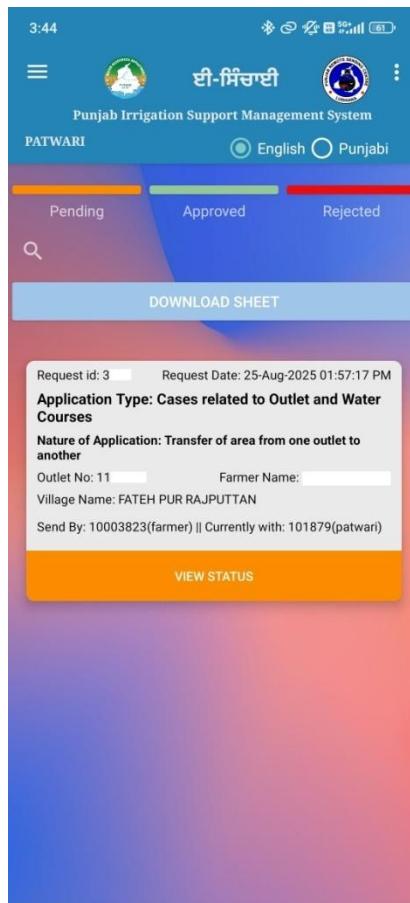


Fig. 28



Fig. 29

1.2.6. Delay Justifications

The **Delay Justifications** feature allows officials to view and manage cases where application processing timelines have exceeded deadlines. Officials can provide reasons (justifications) for delays and update the status of such cases.

Steps to Access:

- **Login** with your official account (e.g., SE, XEN, Patwari).
- From the **Dashboard**, tap on **Delay Justifications** (Red card).
- (Alternatively, open the **side menu** and select **Delay Justifications**.)

Delay Justifications Screen:

- Displays applications that are overdue.
- Each card shows:
 - **Request ID & Date**
 - **Application Type & Nature of Case**
 - **Outlet / Farmer / Village details**
 - **Currently assigned officer**

Officials can toggle between **Pending** and **Completed** justifications.

Viewing a Delay Case:

- Tap on an application card.
- The **Application Detail Page** will display:
 - **Request details** (application type, date, farmer, village)
 - **Action on Justification** section, showing remarks by the concerned officer.
 - **Application Status Timeline**, which lists previous actions, pending days, deadlines, and completed actions.

Taking Action on Justification:

- Tap **Click to Action**.
- A pop-up window appears:
 - **Select Status** (e.g., Accepted, Pending, Forwarded).
 - **Enter Remarks** (mandatory).
 - Tap **Submit** to confirm or **Cancel** to exit without saving.

Completed Justifications:

- Officials can also view **Completed Delay Justifications**.
- The status timeline will show actions taken, officer names, and updated remarks.



Fig. 30



Fig. 31

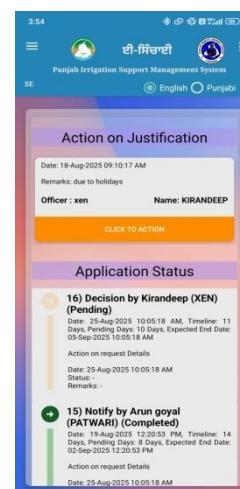


Fig. 32

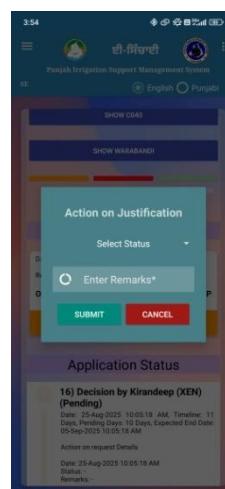


Fig. 33
Punjab Remote Sensing Centre, 2025
Page | 19



Fig. 34



Fig. 35

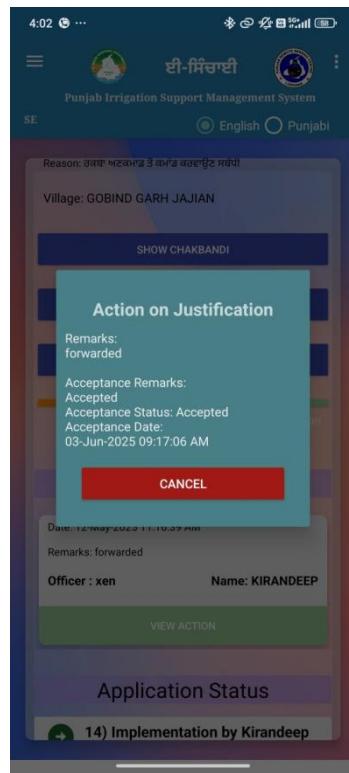


Fig. 36

1.2.7. Application Overview (Dashboard): Total, Pending, Approved, Rejected Applications

The **Application Overview (Dashboard)** provides officials with a complete summary of all applications submitted by farmers. It is divided into four categories for easy tracking and monitoring:

- **Total Applications** – Displays the complete number of applications received in the system (Fig. 38).
- **Pending Applications** – Lists all requests that are currently under review and awaiting action (Fig. 39).
- **Approved Applications** – Shows all applications that have been successfully processed and approved by the concerned authority (Fig. 40).
- **Rejected Applications** – Displays requests that were not accepted, along with their reasons for rejection (Fig. 41).

Each application card includes a “**View Status**” button, allowing the official to track its progress.

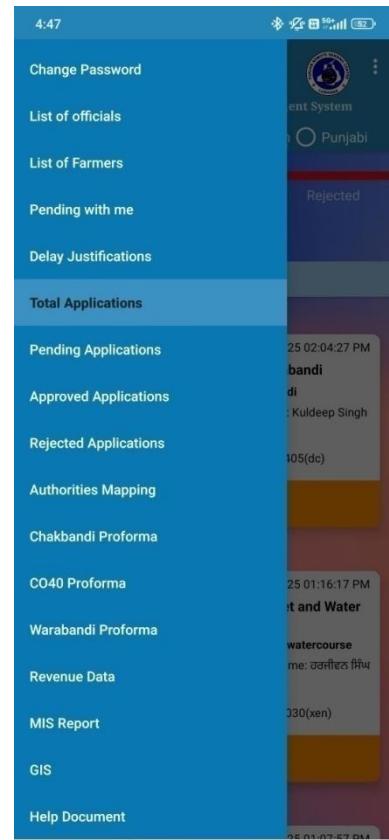


Fig. 37



Fig. 38



Fig. 41



Fig. 40

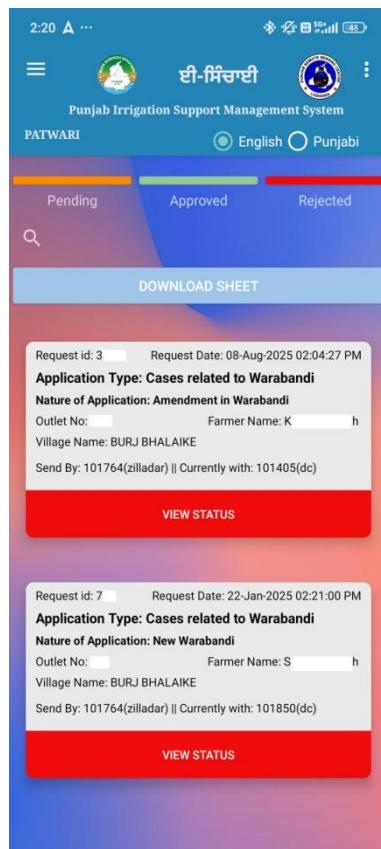


Fig. 42

1.2.8. Authorities Mapping

Official module

The **Official Authorities Mapping** module provides a structured view of how different officials and authorities are linked within the irrigation system. It ensures transparency and accountability by displaying the complete chain of command for each canal circle, division, and section.

- From the **main menu (≡)** → select **Authorities Mapping**.
- The screen shows a “**View mapped Data**” button.
- After selecting, a detailed mapping sheet is displayed, which includes:
 - **Circle Name**
 - **Division & Sub-Division Office**
 - **JE Section / Zilladar Section**
 - **District, Tehsil, Block, Village, and Outlet Number**
 - **Water Channel / Minor Name**
 - List of officials mapped for that outlet, such as:
 - CE (Chief Engineer)
 - SE (Superintending Engineer)
 - XEN (Executive Engineer)
 - DC (Deputy Collector)
 - SDO (Sub Divisional Officer)
 - Zilladar
 - Patwari
 - AC (Additional Collector)

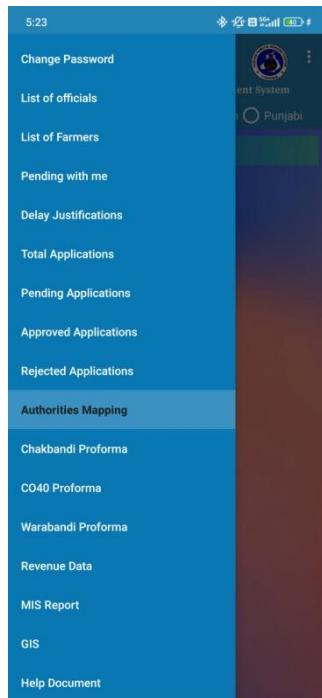
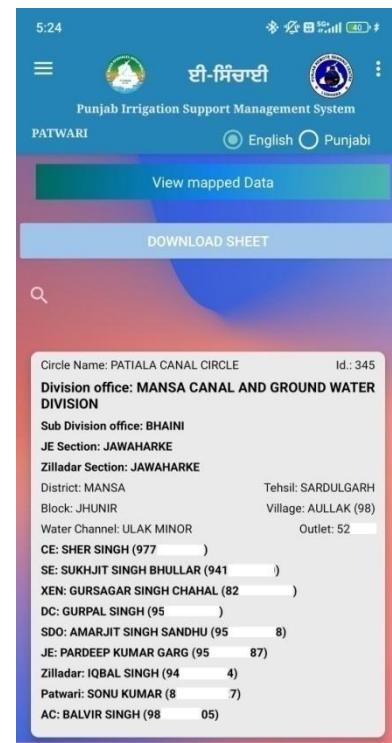


Fig. 43



Fig. 44



Fig. 45

Each entry card provides the **official name along with their code/ID** for easy identification.

- **Officials:** Can only **view** the mapped authorities and their designations.
- **Super Admin:** Has full rights to **edit, update, or re-map** authorities as per administrative requirements.

Super Admin Module

The **Authorities Mapping (Super Admin)** feature allows the system administrator to **add, edit, update, or delete authority mappings** across different canal circles, divisions, subdivisions, and sections. This provides flexibility in managing organizational hierarchies and ensuring that the correct officials are assigned to each outlet.

- From the **main menu (☰)** → select **Authorities Mapping (Super Admin)**.
- The Super Admin screen displays two options:
 - **Add New** – To create a new mapping entry.
 - **View Mapped Data** – To see the existing mappings.
- mapping entry includes:
 - Circle Office
 - Division Office
 - Sub-Division Office
 - JE Section / Zilladar Section
 - District, Tehsil, Block, Village
 - Water Channel Name & Outlet Number
 - List of assigned officials: CE, SE, XEN, DC, SDO, JE, Zilladar, Patwari, AC



Fig. 46

Functionalities:

➤ Add New Mapping

- Super Admin can select details from dropdown lists (Circle, Division, Sub-Division, Section, etc.).
- Assign specific officials to each role (CE, SE, XEN, DC, SDO, JE, Zilladar, Patwari, AC).
- Save the mapping using “**Add New Details**”.

Fig. 47

Fig. 48

➤ View Map Data

- Edit Mapping
 - Existing records show **Edit** and **Delete** options.
 - Admin can update officials' assignments in case of transfers, promotions, or reassessments.
- Delete Mapping- Outdated or incorrect mappings can be removed using the **Delete** button.
- Search and Filter- A **search filter** allows Super Admin to filter records based on Circle, Division, Sub-Division, District, Tehsil, Block, Village, Water Channel, or Outlet.

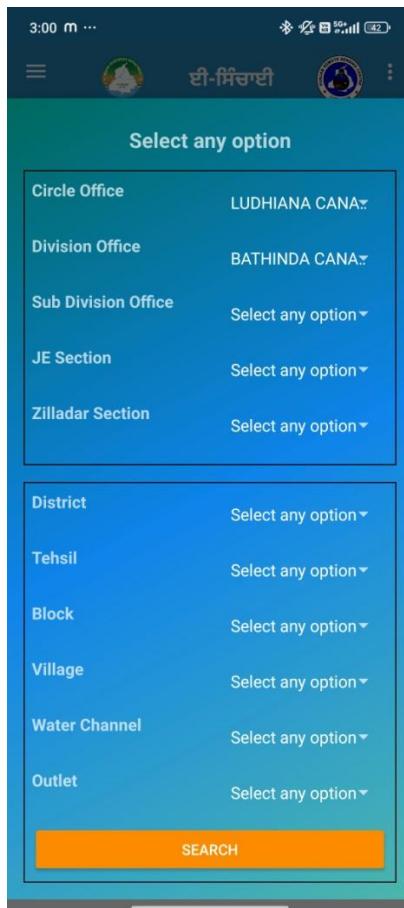


Fig. 49

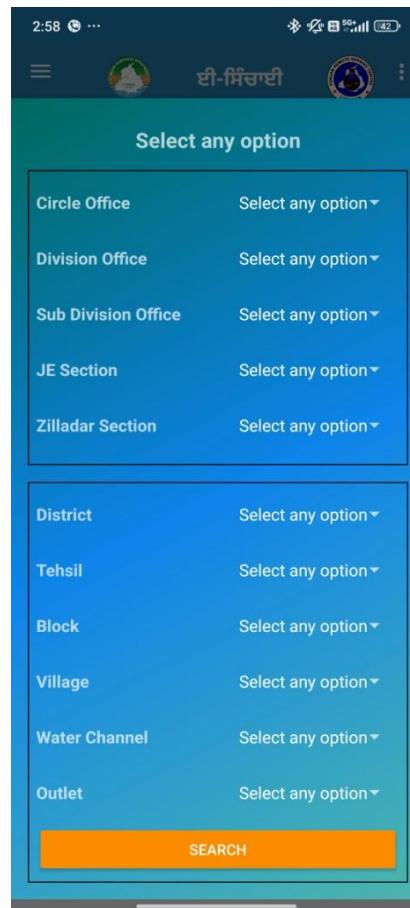


Fig. 50



Fig. 51

1.2.9. Bulk Authorities Mapping

This feature enables to **SUPER ADMIN** to transfer multiple mapped authorities (like SE, XEN, SDO, JE, Zilladar, etc.) from one official to another in bulk. It allows searching by office hierarchy, previewing mapped data, downloading reports, and executing the transfer to streamline management when staff changes occur.

Step-wise process

- **Navigation-** From the left-side menu, the user selects **Bulk Authorities Mapping**.
- **Filter Options**
 - User selects:
 - **User Type** (e.g., SE)
 - **Circle Office** (e.g., FEROZPUR CANAL)
 - Division, Sub Division, JE Section, and Zilladar Section can be further selected.
 - After setting filters, pressing **SEARCH** shows related mapping data.
- **Transfer Screen**
 - Two fields: **Transfer from** (source authority) and **Transfer to** (target authority).
 - Options available for selection in the **dropdown lists**.

➤ Mapped Data Preview

- Shows details such as **Circle Name, Division Office, Sub Division Office, JE Section, Zilladar Section, District, Tehsil, Block, Village, Water Channel, Outlet, and the authority mapping hierarchy** (CE, SE, XEN, SDO, JE, Zilladar, Patwari, etc.).
- User can view this data via **VIEW MAPPED DATA** and also **DOWNLOAD SHEET**.

➤ Selecting Transfer Target

- Dropdown shows list of available authorities with ID/number values.
- User picks the new authority to which mapping should be reassigned.

➤ Transfer- After selecting both **From** and **To**, pressing **CLICK TO TRANSFER** reassigned the mapped responsibilities in bulk.

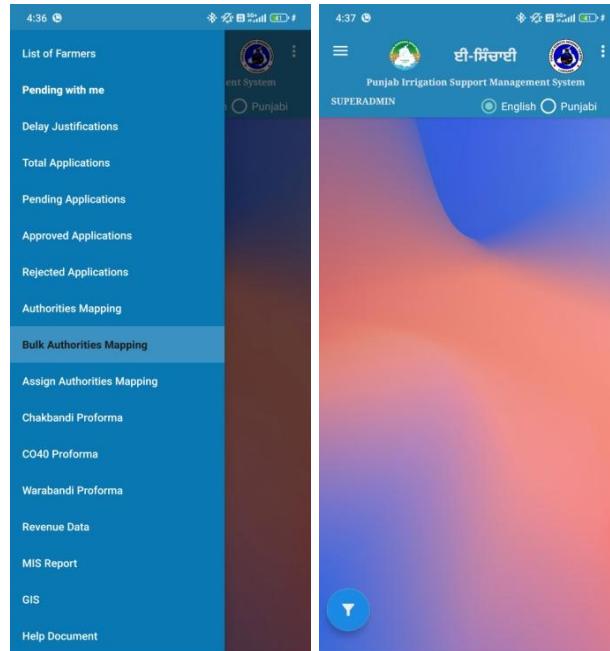


Fig. 52

Fig. 53

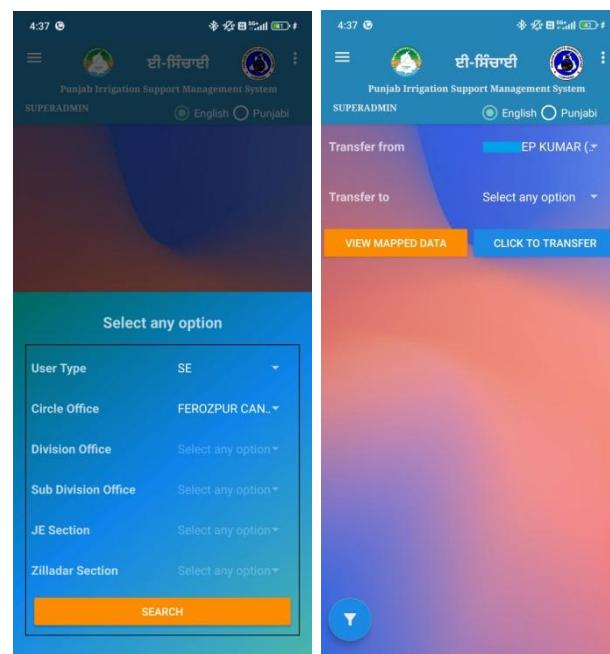


Fig. 54

Fig. 55



Fig. 56



Fig. 57

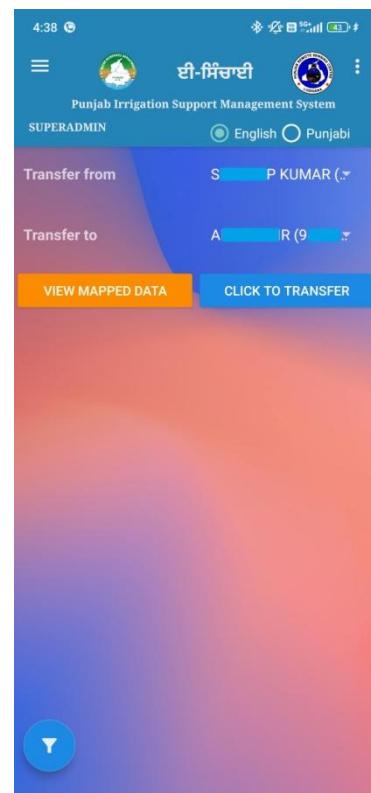


Fig. 58

1.2.10. Assign Authorities Mapping

It enables the Super admin to manage officer hierarchies by selecting a user type and officer, viewing their currently mapped subordinates, adding new mappings by specifying assign type and assign officer, deleting existing mappings when required, and downloading the complete mapping sheet for reference.

- **Navigation Menu-** From the sidebar menu, the option “**Assign Authorities Mapping**” is selected.

➤ Assign Authorities Page

- User can choose **User Type** (e.g., CE, DC, SDO, SE, XEN, Zilladar).
- Then select a specific officer from the dropdown list.

➤ Officer Selection

- A list of officers is shown with their names and partially masked mobile numbers.
- For example: **ASHUTOSH KUMAR, GURPRENDRA SINGH SANDHU, KULWINDER SINGH, etc.**

➤ Mapped Authorities Display

- The system shows already mapped users under the selected officer.
- Each record shows **Name, User Type, Mobile, and Head Name (officer details)**.

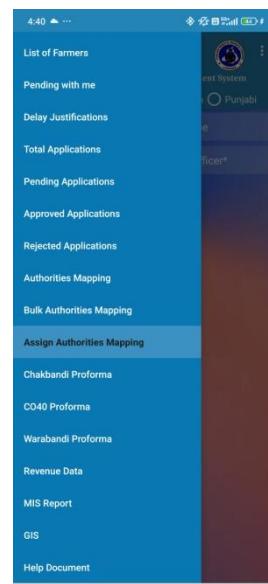


Fig. 59

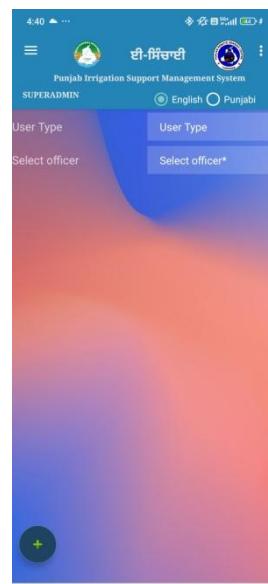


Fig. 60

- There is also a **Delete** button to remove an assignment.
- Option to **Download Sheet** is available for offline reference.

➤ Add New Assignment

- Clicking the green “+” opens a form.
- Fields include:
 - **User Type**
 - **Select Officer**
 - **Select Assign Type** (e.g., ADE/Canals, etc.)
 - **Select Assign Officer**
- Buttons: **Add New** (green) or **Close** (red).

➤ Adding Assignment Example

- Example shows adding mapping for a **CE** officer (**Sher Singh**) with **Assign Type ADE/Canals**.
- The user would then choose an officer to assign under them.

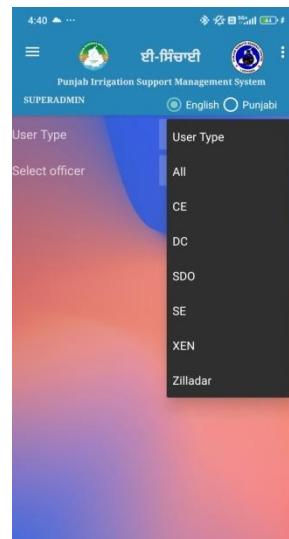


Fig. 61



Fig. 62

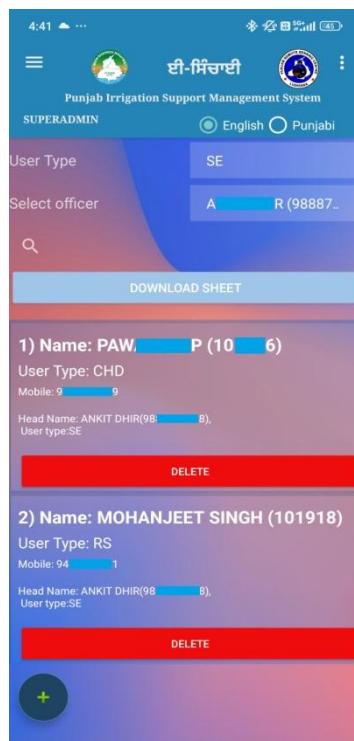


Fig. 63

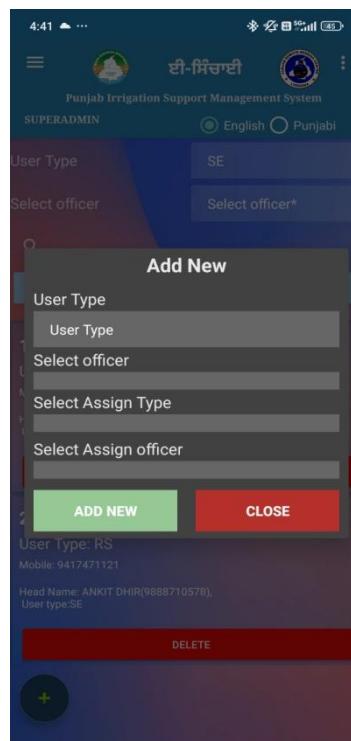


Fig. 64

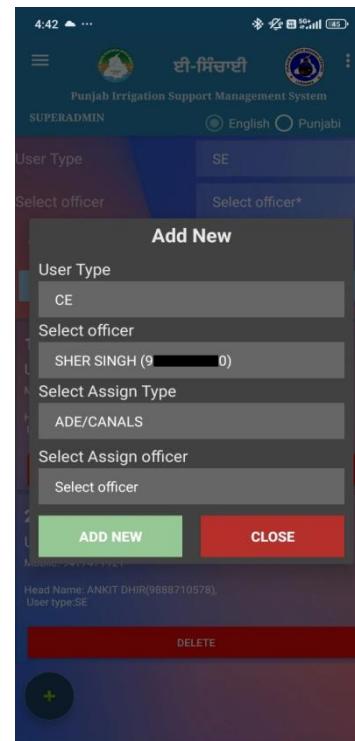


Fig. 65

1.2.11. Chakbandi Proforma

The *Chakbandi Proforma* allows officials to view and manage field-wise land details including Gross Area (G.A.), Uncommand Area (U.C.A.), and Culturable Command Area (C.C.A.). Users can also generate a printable PDF report of the entered data.

Steps to use Chakbandi Proforma:

- **Access the Form-** Select **Chakbandi Proforma** from the side menu.(Fig.66)
- **Enter Location Details**
 - From the dropdown menus, fill in the details of **District, Tehsil, Block, Village, Water Channel, and Outlet**.
 - Click on the **Search** button.(Fig 67)

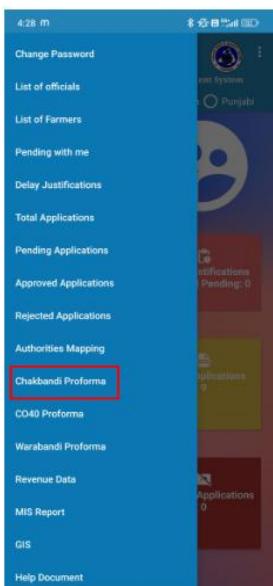


Fig. 66

Fig. 67

Fig. 68

Fig. 69

➤ View and Enter Field Details

- The *Chakbandi Form* will open with fields for entry.
- Select the **unit of measurement** (Kanal/Marle or Bigha/Visve) from the dropdown.(Fig 68, Fig 69)

➤ Add Field Records

- Fill in the details of **Mustil number, Killa number, Gross Area (G.A.), Uncommand Area (U.C.A.)**.(Fig 70)
- The **Culturable Command Area (C.C.A.)** will be auto-calculated.
- Use the **Add Below** button to insert more records.

(Fig 71, Fig 72)

Fig. 70

Sr. No: 6

Field No. :
Mustil No. Killa No.
5 5

Gross Area (G.A.) :
Kanal Marle
151 19

Uncommand Area (U.C.A.) :
Kanal Marle
120 11

Culturable Command Area (C.C.A.) :
Kanal Marle
31 8

Type of Land
Select Type
Remarks
Enter Remarks
ADD BELOW REMOVE

Fig. 71

Sr. No: 6

Field No. :
Mustil No. Killa No.
5 5

Gross Area (G.A.) :
Kanal Marle
151 19

Uncommand Area (U.C.A.) :
Kanal Marle
120 11

Culturable Command Area (C.C.A.) :
Kanal Marle
31 8

Type of Land
Select Type
Remarks
Enter Remarks
ADD BELOW REMOVE

Sr. No: 2

Field No. :
Mustil No. Killa No.
1 1

Gross Area (G.A.) :
Kanal Marle
150 5

Uncommand Area (U.C.A.) :
Kanal Marle
149 5

Culturable Command Area (C.C.A.) :
Kanal Marle
1 0

Type of Land
Select Type
Remarks
Enter Remarks
ADD BELOW REMOVE

Fig. 72

Sr. No: 2

Field No. :
Mustil No. Killa No.
1 1

Gross Area (G.A.) :
Kanal Marle
150 5

Uncommand Area (U.C.A.) :
Kanal Marle
149 5

Culturable Command Area (C.C.A.) :
Kanal Marle
1 0

Type of Land
Select Type
Remarks
Enter Remarks
ADD BELOW REMOVE
Save Button

Fig. 73

➤ Enter Additional Details

- Select the **Type of Land** from the dropdown (e.g., Barren, Canal's, Drain, etc.).
- Add **Remarks** if needed.
- Use **Remove** to delete a record.(Fig 73)

➤ Search and Navigate Records- Enter a Sr. No. and click Go To for quick navigation.(Fig 74)

➤ Save and Print

- Click **Save** to store the data.
- Use **Print** to generate a report or save as PDF.(Fig 75)

➤ Print Preview- The final report will display field details in a tabular format, ready for printing.(Fig 76)

Sr. No: 2

Field No. :
Mustil No. Killa No.
2 2

Gross Area (G.A.) :
Kanal Marle
169 9

Uncommand Area (U.C.A.) :
Kanal Marle
89 13

Culturable Command Area (C.C.A.) :
Kanal Marle
79 16

Type of Land
Select Type
Remarks
Enter Remarks
ADD BELOW REMOVE

Fig. 74

Sr. No: 2

Field No. :
Mustil No. Killa No.
1 1

Gross Area (G.A.) :
Kanal Marle
150 5

Uncommand Area (U.C.A.) :
Kanal Marle
149 5

Culturable Command Area (C.C.A.) :
Kanal Marle
1 0

Print Button
Select Type
Remarks
Enter Remarks
ADD BELOW REMOVE
Save Button

Fig. 75

Chakbandi				Chakbandi				Chakbandi	
District: BATHINDA		Tehsil: RAMPURA PHUL		Block: BHAGTA BHAI KA		Block: RAMU WALA			
#	Khata No.	Khata Details		Land Area		Cultivable Land		Owner Type	Water Source
		Bhumi No.	Village Name	Bhumi No.	Meter Sqm	Bhumi No.	Meter Sqm		
1	0	2	8	0	9	0	0	Non-Majorua	-
2	0	3	11	0	6	0	0	Canal's	-
3	0	338	2	0	11	0	0	Canal's	-
4	0	339	8	0	9	0	0	Canal's	-
5	0	354	16	0	0	0	16	Canal's	-
6	0	355	6	0	8	0	0	Canal's	-
7	0	355/1	9	0	12	0	0	Barren	-
8	0	356	18	0	8	0	0	Canal's	-
9	0	357	13	0	12	0	0	Canal's	-
10	0	358	13	0	12	0	0	Canal's	-
11	0	359	5	0	4	0	0	Canal's	-
12	0	360	8	0	0	0	8	Canal's	-
13	0	361	1	0	16	0	0	Barren	-
14	0	362	5	0	15	0	0	Barren	-
15	0	363	16	0	0	0	16	Barren	-
16	0	364	16	0	0	0	16	Barren	-
17	0	365	16	0	0	0	16	Barren	-
18	0	366	16	0	0	0	16	Barren	-
19	0	367	1	0	0	0	0	Barren	-
20	0	368	1	0	0	0	1	Barren	-
21	0	369	15	0	11	0	0	Barren	-
22	0	370	15	0	11	0	0	Barren	-
23	0	371	16	0	0	0	16	Barren	-
24	0	372	16	0	0	0	16	Barren	-
25	0	373	16	0	0	0	16	Barren	-
26	0	374	16	0	0	0	16	Barren	-
27	0	375	16	0	0	0	16	Barren	-
28	0	376	13	0	6	0	0	Barren	-

Fig. 76

1.2.12. CO40 Proforma

The **CO40 Proforma** is used to record Khata-wise (ownership-wise) details, including owner information, Khata/Khewat numbers, land distribution, and Culturable Command Area (C.C.A.). It is mandatory to first complete the **Chakbandi Proforma** before filling the CO40 Proforma, as the system retrieves data from it.

Steps to fill CO40 Proforma:

➤ Access the Form- Select **CO40 Proforma** from the side menu.(Fig 77)

➤ Enter Location Details

- From dropdowns, fill in **District, Tehsil, Block, Village, Water Channel, and Outlet.**
- Click **Search** to proceed.(Fig 78)

➤ Fill Khata Details

- Enter **Khata number, Khewat number, Name of Owner, Name of Kastkar.**
- Optionally, add reference Khata (if any) and share value (e.g., $\frac{1}{2}$).
- Click **CALC VAL** to calculate land share values.(Fig 79, Fig 80)

Fig. 77

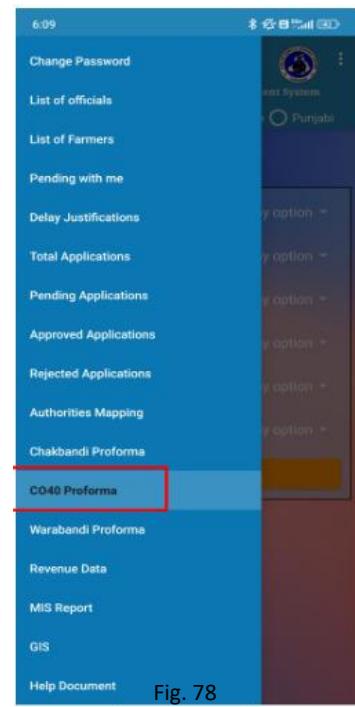


Fig. 78

Fig. 79

Fig. 80

Fig. 81

➤ Update Area Details

- Click **Click to Add/Update** to enter or update land area details.
- Area details will be displayed in summary format.(Fig 81)

➤ Auto-Fetched Land Details

- The details (Gross Area, U.C.A., C.C.A.) are **automatically retrieved from the Chakbandi Proforma**.
- Only **Remarks** can be added manually.(Fig 82)

➤ Select Mustil and Killa

- From the dropdown, select **Mustil number and Killa number**.
- The system will fetch corresponding details automatically from Chakbandi.(Fig 83)

➤ Add / Remove Entries

- Use **Add Below** to insert additional records.
- Use **Remove** to delete a record.(Fig 84)

Fig. 82

Fig. 83

Fig. 84

➤ Save and Print

- Click **Save** to store the form details.
 - Use **Print** to generate the report or save it as a PDF.(Fig 85)

- **Print Preview**- The final CO40 report shows ownership-wise details in tabular format.(Fig 86)

Fig. 86



Fig. 85

1.2.13. Warabandi Proforma

The Warabandi Proforma is auto-generated using data from **Chakbandi Proforma** and **CO40 Proforma**. Farmers' landholding and water allocation are fetched, and irrigation turns are calculated automatically.

➤ Open Warabandi Proforma

- Go to the side menu.
 - Select **Warabandi Proforma** option. (Fig 87)

➤ Fill Basic Details

- From the dropdowns, select: **District, Tehsil, Block, Village, Water Channel, Outlet.**
 - Click on **Search**. (Fig 88)

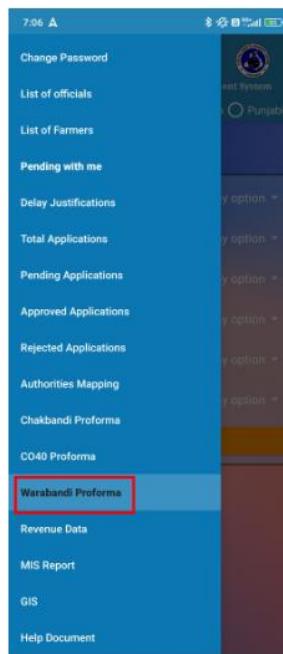


Fig. 87



Fig. 88

➤ **Select or Enter CCA**

- Choose **CCA** from the dropdown.
- If required, select **Custom** and enter details manually. (Fig 89, Fig 90)
- Click **Add** after filling details. (Fig 91)

2:56 AM
PATWARI English Punjabi
WARABANDI FORM
CCA: 500-800 [Kacha 5/2, Pakka 4/2, Nakka Pipe:1/0, Valve:1/0]
Step 1 Step 2 Step 3
CALCULATE SAVE PRINT
Fill the Details
Sr. No: 1
Khata No. Khevat No.
1 212
Name of the owner:
45
Name of Kastkar:
1212
Ref. Khata No: 2, Share: 1/2
After Share GA: 89Kanal 3Marle, UCA: 86Kanal 12Marle, CCA: 2Kanal 10Marle
Total area in acres: 0.31
Nakka (નક્કા) Nakka (નક્કા) Lift Area (લિફ્ટ એરીયા)
test fix No

Fig. 89

2:57 AM
PATWARI English Punjabi
WARABANDI FORM
CCA: D-500 [Kacha 5/2, Pakka 4/2, Nakka Pipe:1/0, Valve:1/0]
500-800 [Kacha 5/2, Pakka 4/2, Nakka Pipe:1/0, Valve:1/0]
800-1200 [Kacha 4/2, Pakka 3/1, Nakka Pipe:1/0, Valve:1/0]
Above 1200 [Kacha 3/1, Pakka 2/1, Nakka Pipe:1/0, Valve:1/0]
Custom
Fill the Details
Sr. No: 1
Khata No. Khevat No.
1 212
Name of the owner:
45
Name of Kastkar:
1212
Ref. Khata No: 2, Share: 1/2
After Share GA: 89Kanal 3Marle, UCA: 86Kanal 12Marle, CCA: 2Kanal 10Marle
Total area in acres: 0.31
Nakka (નક્કા) Nakka (નક્કા) Lift Area (લિફ્ટ એરીયા)
test fix No

Fig. 90

2:58 AM
PATWARI English Punjabi
WARABANDI FORM
CCA: Custom
Enter Kacha (Bhra/Muzrai) Enter Pakka (Bhra/Muzrai) Enter Nakka Pipe (Bhra/Muzrai) Enter Valve (Bhra/Muzrai)
4/5 7/2 11/6 1/0
Enter CCA (સૂચિ): 2000/2500 ADD
Step 1 Step 2 Step 3
CALCULATE SAVE PRINT
Fill the Details
Sr. No: 1
Khata No. Khevat No.
1 212
Name of the owner:
45
Name of Kastkar:
1212
Ref. Khata No: 2, Share: 1/2
After Share GA: 89Kanal 3Marle, UCA: 86Kanal 12Marle, CCA: 2Kanal 10Marle
Total area in acres: 0.31
Nakka (નક્કા) Nakka (નક્કા) Lift Area (લિફ્ટ એરીયા)
test fix No

Fig. 91

➤ **Save Entered Values - When prompted, click Yes to save the details. (Fig 92)**

➤ **Auto-Fetched Details**

- Details are automatically retrieved from **CO40 Proforma**.
- **Click to View** to check details.(Fig 93)

7:07 AM
PATWARI English Punjabi
WARABANDI FORM
District: FAZILKA Block: FAZILKA Outlet: 24960/R Tehsil: FAZILKA Village: ABHUN Water Channel: JANDIWALA DISTY
Enter Sr. No. GO TO
Select CCA (સૂચિ): Custom
Confirm Save
Do you want to save the entered values?
YES NO
CALCULATE SAVE PRINT
Fill the Details
Sr. No: 5
Khata No. Khevat No.
148 5fjg4vv
Name of the owner:
Gurpreetbt@gmail.com xen@gmail.com
Name of Kastkar:
test

Fig. 92

3:40 PM
PATWARI English Punjabi
WARABANDI FORM
CCA: 500-800 [Kacha 5/2, Pakka 4/2, Nakka Pipe:1/0, Valve:1/0]
Step 1 Step 2 Step 3
CALCULATE SAVE PRINT
Fill the Details
Sr. No: 2
Khata No. Khevat No.
2 fr
Name of the owner:
test
Name of Kastkar:
ert
Area Details: CLICK TO VIEW
Total GA: 178Kanal 5Marle, UCA: 173Kanal 4Marle, CCA: 5Kanal 1Marle
Remaining GA: 89Kanal 2Marle, UCA: 86Kanal 12Marle, CCA: 2Kanal 11Marle
Total area in acres: 0.48

Fig. 93

➤ Check Khata Details

- Additional khata details are auto-retrieved from **Chakbandi Proforma**. (Fig 94)
- Previously filled details will be displayed. (Fig 95)
- Use **Add** button to add a new khata, or **Remove** button to delete one. (Fig 96)

WARABANDI FORM

CCA: 500-800 (Kacha 5/2, Pakka 4/2, Nakka Pipe 1/0, Valve 1/0)

Step 1 Step 2 Step 3

CALCULATE SAVE PRINT

Total area in acres: 0.31

Nakka (ਨੈਕਾ)	Pakka (ਪਕਾ)	Nakka Pipe (ਨੈਕਾ ਪਾਪਿੰਪ)	Gate Valve (ਗੇਟ ਵਾਲੇ)	Lift Area (ਲਿਫਟ ਏਰੀਆ)
test	fix	No		

Bhra (karm) (ਬੁਖਾਰੀ (ਗਮ))

Kacha (ਕੱਚਾ)	Pakka (ਪਕਾ)	Nakka Pipe (ਨੈਕਾ ਪਾਪਿੰਪ)	Gate Valve (ਗੇਟ ਵਾਲੇ)	Total min. (ਮਿੰਟ)
25	55	22	55	10

Muzrai (karm) (ਮੁਜ਼ਰਾਈ (ਗਮ))

Kacha (ਕੱਚਾ)	Pakka (ਪਕਾ)	Nakka Pipe (ਨੈਕਾ ਪਾਪਿੰਪ)	Gate Valve (ਗੇਟ ਵਾਲੇ)	Total min. (ਮਿੰਟ)
55	55	55	5	5

Remarks

Enter Remarks

Asal Wari (min): Remaining min (After Amda)
1980

Amda (min) Enter Sr. No. Enter Asal w **CALC AMDA**

Fig. 94

Details of Khata no: 2

Sr. No: 1

Field No.: Mustil-Killa No. 4-4

Gross Area (G.A.): Kanal Marle

178 5

Uncommand Area (U.C.A.): Kanal Marle

173 4

Culturable Command Area (C.C.A.): Kanal Marle

5 1

Fig. 95

WARABANDI FORM

CCA: 500-800 (Kacha 5/2, Pakka 4/2, Nakka Pipe 1/0, Valve 1/0)

Step 1 Step 2 Step 3

CALCULATE SAVE PRINT

25	55	22	55	10
----	----	----	----	----

Muzrai (karm) (ਮੁਜ਼ਰਾਈ (ਗਮ))

Kacha (ਕੱਚਾ)	Pakka (ਪਕਾ)	Nakka Pipe (ਨੈਕਾ ਪਾਪਿੰਪ)	Gate Valve (ਗੇਟ ਵਾਲੇ)	Total min. (ਮਿੰਟ)
55	55	55	5	5

Remarks

Enter Remarks

Asal Wari (min): Remaining min (After Amda)
1980

Amda (min) Enter Sr. No. Enter Asal w **CALC AMDA**

Set A
[Notes: ਅਸਾਲ ਵਾਰੀ: (3500-1000) ਮਿੰਟ (ਅਵਾਂ) 06:00 ਮਹੌਲੇ 3 (ਅਗਸਤ) 03:00 ਵਾਲੀਆਂ]

Set B
[Notes: ਅਸਾਲ ਵਾਰੀ: (3500-1000) ਮਿੰਟ (ਅਵਾਂ) 06:00 ਵਾਲੀਆਂ (ਅਗਸਤ) 03:00 ਮਹੌਲੇ ਦੀਆਂ]

ADD BELOW NEW KHATA **REMOVE KHATA**

Fig. 96

➤ Enter Khata Details

- Enter **Sr. No.** and **Khewat No.**
- Other details are fetched automatically. (Fig 97)

➤ Details- Fill in Nakka (len/den), Bhrai (karm – kacha, pakka, pipe, gate valve), Muzrai (karm), and Remarks..(Fig 98)

WARABANDI FORM

CCA: 500-800 (Kacha 5/2, Pakka 4/2, Nakka Pipe 1/0, Valve 1/0)

Step 1 Step 2 Step 3

CALCULATE SAVE PRINT

Fill the Details

Sr. No: Enter Sr.no.

Khewat No: Khevat No.

Select Khata No: Enter your details

Name of the owner: Enter your details

Name of Kastkar: Enter your details

Mustil-Killa No: Select Mustil-Killa

Area Details: **CLICK TO VIEW**

Total area in acres:

Nakka (ਨੈਕਾ)	Pakka (ਪਕਾ)	Nakka Pipe (ਨੈਕਾ ਪਾਪਿੰਪ)	Gate Valve (ਗੇਟ ਵਾਲੇ)	Lift Area (ਲਿਫਟ ਏਰੀਆ)
Enter your details	Enter your details	No		

Fig. 97

WARABANDI FORM

CCA: 500-800 (Kacha 5/2, Pakka 4/2, Nakka Pipe 1/0, Valve 1/0)

Step 1 Step 2 Step 3

CALCULATE SAVE PRINT

Nakka (ਨੈਕਾ)	Pakka (ਪਕਾ)	Nakka Pipe (ਨੈਕਾ ਪਾਪਿੰਪ)	Gate Valve (ਗੇਟ ਵਾਲੇ)	Lift Area (ਲਿਫਟ ਏਰੀਆ)
Enter your details	Enter your details	No		

Bhra (karm) (ਬੁਖਾਰੀ (ਗਮ))

Kacha (ਕੱਚਾ)	Pakka (ਪਕਾ)	Nakka Pipe (ਨੈਕਾ ਪਾਪਿੰਪ)	Gate Valve (ਗੇਟ ਵਾਲੇ)	Total min. (ਮਿੰਟ)
Enter your details	Enter your details	Enter your details	Enter your details	Enter your details

Muzrai (karm) (ਮੁਜ਼ਰਾਈ (ਗਮ))

Kacha (ਕੱਚਾ)	Pakka (ਪਕਾ)	Nakka Pipe (ਨੈਕਾ ਪਾਪਿੰਪ)	Gate Valve (ਗੇਟ ਵਾਲੇ)	Total min. (ਮਿੰਟ)
Enter your details	Enter your details	Enter your details	Enter your details	Enter your details

Remarks

Enter Remarks

Asal Wari (min): Remaining min (After Amda)

Set A

Set B

Fig. 98

- Auto Calculation of Asal Wari- **Asal Wari, Set A, and Set B** are automatically calculated. (Fig 99)

The screenshot shows the 'WARABANDI FORM' section of the e-Sinchai app. At the top, it says 'Punjab Irrigation Support Management System' and 'PATWARI'. Below that, there are language options: English (selected) and Punjabi. The form header is 'WARABANDI FORM'. It shows CCA: 500-800 (Kacha:5/2, Pakka:4/2, Nakka Pipe:1/0, Valve:1/0). There are three tabs: Step 1, Step 2, and Step 3. Under Step 1, there are buttons for 'CALCULATE', 'SAVE', and 'PRINT'. The 'CALCULATE' button is highlighted. Below it, there's a table for 'Muzrai (karm) (ਮੁਜ਼ਰੀ (ਗ੍ਰੇ))' with columns: Kacha (ਕਾਚਾ) (55), Pakka (ਪਕਾ) (55), Nakka Pipe (ਨਕਾ ਪਾਪੀ) (55), Gate Valve (ਗੈਟ ਵਲਵ) (5), and Total min. (ਕੁੱਝ ਮਿੰਟ) (5). Below the table, there's a 'Remarks' section with a text input field 'Enter Remarks' and a note: 'Asal Wari (min): Remaining min (After Amda) 1980'. Under 'Set A', it says 'Amda (min) Enter Sr. No. Enter Asal w CALC AMDA' with a red box around the 'CALC AMDA' button. Under 'Set B', it says 'Set B' with a note: 'Amda Wari: (3342.00 min) (ਅਮਦਾ) 06:00 ਮਹੌਲ 3 (ਮੁਜ਼ਰੀ) 03:00 ਅਸਾਲ ਵਾਰੀ' and 'ADD BELOW NEW KHATA REMOVE KHATA' buttons.

Fig. 99

- Final Actions

- Click **Calculate** to calculate wari. (Fig100)
- Click **Save** to store details. (Fig101)
- Click **Print** to generate the final report. (Fig102, Fig103)

This is a screenshot of the 'WARABANDI FORM' screen. It shows the same header and location details as Fig 99. The 'CALCULATE' button is highlighted with a red box. Below it, there's a table for 'Fill the Details' with fields for Sr. No., Khata No., Khevat No., Name of the owner, Name of Kastkar, and Area Details. Buttons for 'CLICK TO ADD/UPDATE' and 'ADD KHATA REMOVE KHATA' are at the bottom.

Fig. 100

This screenshot shows the 'SAVE' button highlighted with a red box. A success message 'Details saved successfully' is displayed in a green box. The rest of the form fields and buttons are identical to Fig 100.

Fig. 101

This screenshot shows the 'PRINT' button highlighted with a red box. The rest of the form fields and layout are consistent with the previous figures.

Fig. 102

Note: Before filling Warabandi Proforma, it is necessary to fill **Chakbandi Proforma** and **CO40 Proforma**.

ਵਾਰਾਂਦੀ												
ਚਿਨ੍ਹ: FAZILKA			ਭਾਗੀਦਾਰ: FAZILKA			ਬਲਕ: FAZILKA			ਪਿੰਡ: CHOHARAN WALI			
ਮੋਹਾ ਚੁਲਸੀ: 45700/R									ਸ਼ਾਪਾ/ਕਿਸਟੀਵਿਊਟੀ/ਮਾਈਨਰ/ਸਥ-ਮਾਈਨਰ: JANDWALA DISTY			
ਏਕਤ ਵਿਸ਼ਾ: 0-500 (Kacha:6/3, Pakka:5/3, Nakka Pipe:1/0, Valve:1/0)												
ਨੋਂਦ ਨੰ.	ਵੇਖ ਨੰ.	ਲਾਗ ਪ੍ਰਾਪਤ	ਲਾਗ ਅਧਿਕ	ਲਾਗ ਘੁੱਸ	ਲਾਗ ਘੁੱਸ	ਲਾਗ ਘੁੱਸ	ਲਾਗ ਘੁੱਸ	ਲਾਗ ਘੁੱਸ	ਲਾਗ ਘੁੱਸ	ਲਾਗ ਘੁੱਸ	ਲਾਗ ਘੁੱਸ	
1	5	test	tem	1-1	0.1	1.1	1.0	-	14.16	26:09	5ty	tt
				1-2	0.2	0.19	1.4	-	45	42	22 52	13
				1-3	0.1	1.1	2.0	-	35	35	22 22	5
				1-4	0.0	965-19	856-18	109-1	26:17	0	0	0
				ਕੁੱਲ			973-4	859-19	113-5			
2	3	ttt	ttt	-	0.0	0.0	0.0	1.5	0.12	0.13	tt	t3
				1-1	0.7	0.13	0.13	1/2	2	14	32 25	7
				1-2	0.0	0.0	0.0	-	4	25	22 22	5
				1-3	0.0	0.0	0.0	-	0:15	0	15	0
				ਕੁੱਲ			966-0	857-19	110-1			
3	4	ggcc	ttt	-	1-1	0.1	2.1	1.1	1.0	-	20:54	38:07
				1-2	0.0	965-19	856-18	109-1	ff	ff	12	30
				1-3	0.0	0.0	0.0	-	35 25	3	45	25
				1-4	0.0	0.0	0.0	-	22 22	2	38:08	19
				ਕੁੱਲ			966-0	857-19	110-1			
4	4	ggcc	ttt	-	1-1	0.1	2.1	1.1	1.0	-	13.76	25:25
				1-2	0.0	0.0	0.0	-	58	25	22 11	12
				1-3	0.0	0.0	0.0	-	55	22	21 2	5
				1-4	0.0	965-19	856-18	109-1	25:32	2	0	0
				ਕੁੱਲ			966-0	857-19	110-1			
5	5	test	tem	-	1-1	0.1	2.1	1.1	1.0	-	14.16	26:09
				1-2	0.0	0.0	0.0	-	refr	dd	122	22
				1-3	0.0	0.0	0.0	-	55 2	22	145	11
				1-4	0.0	0.0	0.0	-	22 11	11	26:20	0
				ਕੁੱਲ			973-4	859-19	113-5			
6	6	tttt	tttt	-	1-1	0.1	2.1	1.1	1.0	-	0.13	0:14
				1-2	0.0	0.0	0.0	-	d	56	32	22 22
				1-3	0.0	0.0	0.0	-	13	55	22	21 22
				1-4	0.0	0.0	0.0	-	5	0:22	0	0
				ਕੁੱਲ			966-0	857-19	110-1			
7	7	tttt	tttt	-	1-1	0.1	2.1	1.1	1.0	-	13.76	25:25
				1-2	0.0	0.0	0.0	-	4r	4r	23	21
				1-3	0.0	0.0	0.0	-	22 32	7	45	22
				1-4	0.0	0.0	0.0	-	2 2	5	25:27	0
				ਕੁੱਲ			966-0	857-19	110-1			
8	8	tttt	tttt	-	1-1	0.1	2.1	1.1	1.0	-	13.88	25:38
				1-2	0.0	0.0	0.0	-	ttt	0	22	2
				1-3	0.0	0.0	0.0	-	2 2	3	30	2
				1-4	0.0	0.0	0.0	-	21 2	2	25:39	0
				ਕੁੱਲ			966-0	857-19	110-1			
				-	90.61	-	-	-	340	188	212 171	80.0
									414	164	153 105	40.0
									168:0	-	-	-
									-	-	-	-
												40.0
												ਮੁੱਲ - ਮੁੱਲ : 40.0 ਰੁਪਾਂ

Fig. 103

1.2.14. Revenue Data – Workflow & Functionality

The **Revenue Data** module enables users to retrieve land ownership and revenue record details for irrigation management. Below is the step-by-step workflow:

➤ Navigate to Revenue Data

- From the main menu, select **Revenue Data** (highlighted in the first screen).
- The system redirects to the **Revenue Details** form. (Fig 104)

➤ Enter Revenue Details

- User is prompted to select mandatory fields:
 - District***
 - Tehsil***
 - Village***
- After selecting, click **Submit**. (Fig 105, Fig 106)

Fig. 104

Fig. 105

➤ Confirm Submission

- A confirmation popup appears:
“Are you sure you want to submit this form?”

Options: Yes / No.

- On choosing Yes, the form is submitted. (Fig 107)

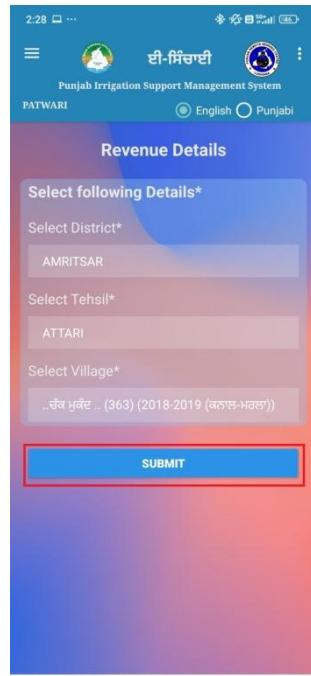


Fig. 106

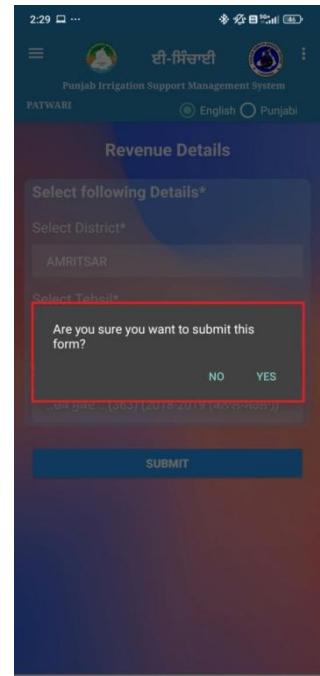


Fig. 107

➤ View Revenue Records

- The system fetches and displays **Revenue Records** of selected village and time period. (Fig 108)
- Each record includes:
 - Owner ID**
 - Person Name**
 - Field numbers with respective area**
 - Khewat & Khatouni numbers**
 - Total Person Area** (in kanal, marla, sarsai)
- Options available:
 - Select All**
 - View Selected**

➤ Detailed Record View (Fig 109)

- Clicking **View Selected** opens detailed information:
 - District, Tehsil, Village
 - Field-wise land distribution**
 - Ownership summary
- Buttons available:
 - Close** (exit view)
 - Generate PDF** (download the report)



Fig. 108

District: AMRITSAR, Tehsil:ATTARI, Village:..ਚੌ ਮੁਕੰਦ .. (363) (2018-2019 (ਕਾਲਾ...)	
Field no with area	
1 ਅਜੀਤ	157//0[1 ਕਾਲਾ 0 ਮਰਲਾ],178//0[0 ਕਾਲਾ 0 ਮਰਲਾ]
2 ਸਿੰਘ	181//0[0 ਕਾਲਾ 5 ਮਰਲਾ],12//25/2 ਮਿਲ [2 ਕਾਲਾ 0 ਮਰਲਾ],12//20/1 ਮਿਲ [1 ਕਾਲਾ 0 ਮਰਲਾ],12//10/1 ਮਿਲ [1 ਕਾਲਾ 0 ਮਰਲਾ],12//10/0 ਮਿਲ [1 ਕਾਲਾ 0 ਮਰਲਾ],12//10/12/14 ਕਾਲਾ 16 ਮਰਲਾ],12//9/8 ਕਾਲਾ 0 ਮਰਲਾ],12//25/2 ਮਿਲ [0 ਕਾਲਾ 12 ਮਰਲਾ],12//1/2/13 ਕਾਲਾ 13 ਮਰਲਾ],12//1/2/11 ਕਾਲਾ 16 ਮਰਲਾ],12//22/25 ਕਾਲਾ 11 ਮਰਲਾ],12//8/0/4 ਕਾਲਾ 8 ਮਰਲਾ],12//8/1/2/4 ਮਿਲ 7 ਮਰਲਾ],12//8/1/2/17 ਮਿਲ 11 ਮਰਲਾ],12//8/2/1 ਕਾਲਾ 11 ਮਰਲਾ],12//25/2 ਮਿਲ [7 ਕਾਲਾ 16 ਮਰਲਾ],12//1/2/0/1 ਕਾਲਾ 16 ਮਰਲਾ],12//2/1/1/4 ਕਾਲਾ 8 ਮਰਲਾ],12//2/1/1/3 ਕਾਲਾ 19 ਮਰਲਾ],12//6/0/2/2 ਮਿਲ 13 ਮਰਲਾ],12//6/1/2/2 ਮਿਲ 4 ਮਰਲਾ],12//6/1/2/13 ਮਿਲ 2 ਮਰਲਾ],12//8/1/2/2 ਮਿਲ 4 ਮਰਲਾ],12//8/1/2/8 ਮਿਲ 0 ਮਰਲਾ],12//8/1/2/10 ਮਿਲ 11 ਮਰਲਾ],12//8/1/2/11 ਮਿਲ 12 ਮਰਲਾ],12//8/1/2/12 ਮਿਲ 12 ਮਰਲਾ],12//8/1/2/13 ਮਿਲ 4 ਮਰਲਾ],12//8/1/2/21 ਮਿਲ 12 ਮਰਲਾ],12//8/1/2/22 ਮਿਲ 0 ਮਰਲਾ],12//8/1/2/15 ਮਿਲ 4 ਮਰਲਾ],12//8/1/2/18 ਮਿਲ 4 ਮਰਲਾ],12//8/1/2/23 ਮਿਲ 0 ਮਰਲਾ],12//8/1/2/24 ਮਿਲ 0 ਮਰਲਾ],143//2/14 ਮਿਲ 0 ਮਰਲਾ],143//2/24 ਮਿਲ 0 ਮਰਲਾ],12//3/2/6/1 ਮਿਲ 2 ਮਰਲਾ],143//15/8 ਮਿਲ 0 ਮਰਲਾ],143//5/10 ਮਿਲ 8 ਮਰਲਾ],143//6/7 ਮਿਲ 0 ਮਰਲਾ],143//7/8 ਮਿਲ 0 ਮਰਲਾ],143//14/24 ਮਿਲ 0 ਮਰਲਾ],143//17/14 ਮਿਲ 0 ਮਰਲਾ],138//19/4/1 ਮਿਲ 7 ਮਰਲਾ],138//2/27 ਮਿਲ 11 ਮਰਲਾ],138//1/18/8 ਮਿਲ 0 ਮਰਲਾ],138//2/3/7 ਮਿਲ 11 ਮਰਲਾ],143//2/14 ਮਿਲ 16 ਮਰਲਾ],137//2/24/1 ਮਿਲ 0 ਮਰਲਾ],144//2/7/1 ਮਿਲ 5 ਮਰਲਾ]
Khewat No:	1,2,3,32,73,133,159,159,264,286,319,320,326,341,345
Khatouni No.:	
Person Area:	39.889 13 ਮਰਲਾ 2.53 ਮਹਾਸੂਸੀ

Fig. 109

1.2.15. MIS Report

A **summary of application status** within a selected circle/division, officer designation, and time frame. It helps higher authorities quickly check progress, delays, and pending cases.

- Report Menu- From the sidebar menu, select MIS Report. (Fig 110)

➤ Report Types Available (Fig 111)

You can choose the format of the report:

- **Circle Wise**
- **Circle and Division Wise**
- **Nature of Application Wise**
- **Application Wise**
- **Employee Wise**
- **Application ID Wise**
- **Pending Applications Wise**

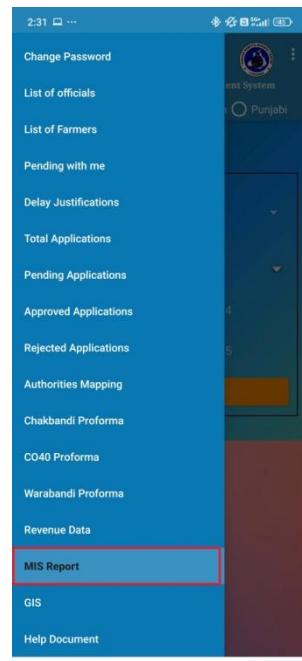


Fig. 110

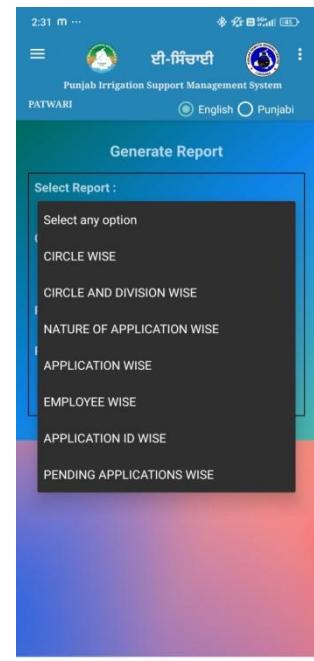


Fig. 111

- Report Filters

Depending on the option selected, you must enter:

- **Circle Office** (e.g., Patiala Canal Circle)
- **Officer Designation** (XEN, Deputy Collector, or Both)
- **Period From / To** (custom date range)(Fig 112, 113)



Fig. 112

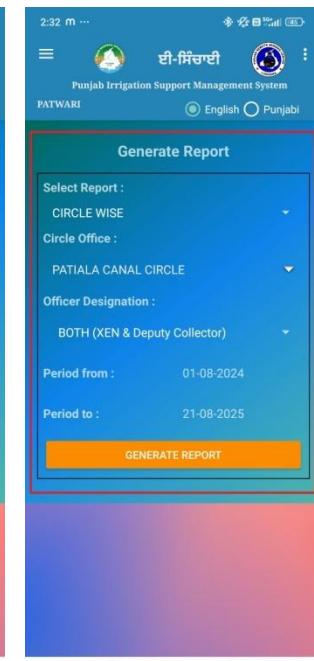


Fig. 113

➤ Generated Report

E-SINCHAI: CIRCLE WISE (BOTH (XEN & Deputy Collector) WISE) REPORT							
Period: From 01-Aug-2024 to 21-Aug-2025							
Sr. No.	Circle Name	Total Applications	Approved Applications	Rejected Applications	Pending Applications	Delayed Applications	Implementation Delayed
1	PATIALA CANAL CIRCLE	8	4	2	2	1	0
	Total	8	4	2	2	1	0

Generated by : SONU KUMAR (101128) - PATWARI Date: 2025-08-29 14:32:46

Fig. 114

1.2.16. GIS Portal

The **GIS Portal** provides an interactive map-based interface to visualize irrigation-related data spatially. It allows users (Patwari, Super Admin, etc.) to view administrative boundaries, irrigation channels, outlets, and revenue data on a geographical layer.

Features of GIS Portal:

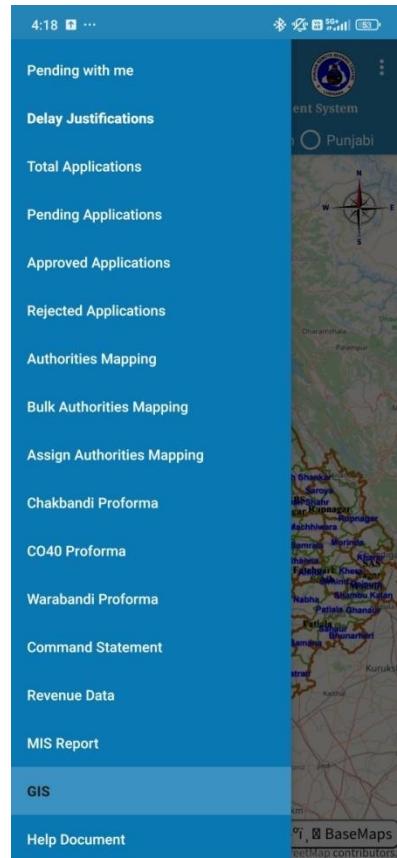


Fig. 115

- **Filters** – Users can select **District, Tehsil, Block, and Village** to filter data (Figure 1).
- **Overlay Layers** – Enables display of:

- Administrative Boundaries (District, Block, Village)
- Village polygons (Boundary, Mustil, Killa maps)
- Water Channels & Outlets
- Satellite Imagery (Figure 2 & 3).

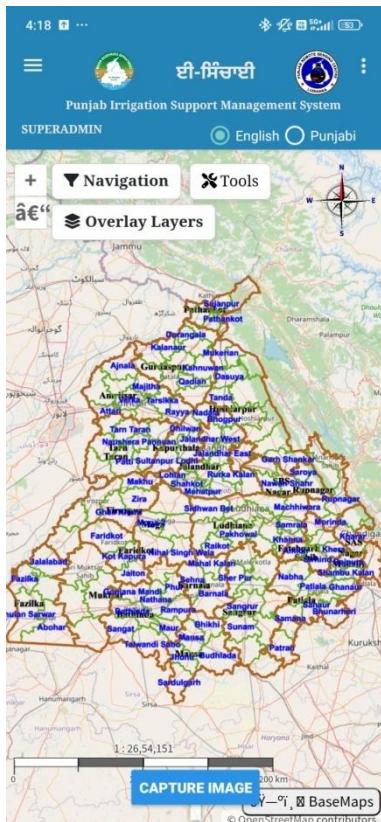


Fig. 116

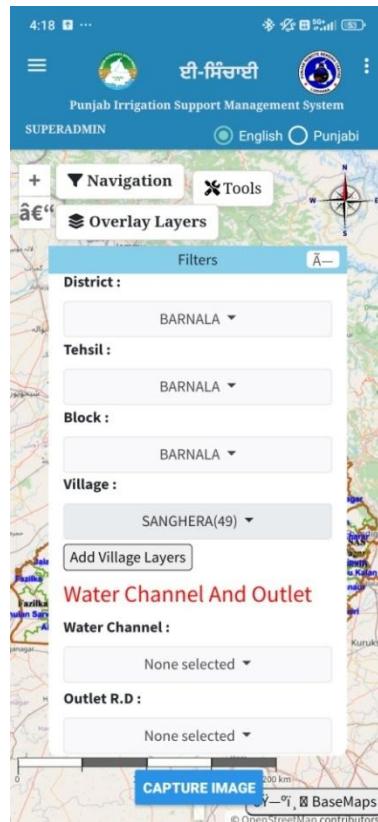


Fig. 117

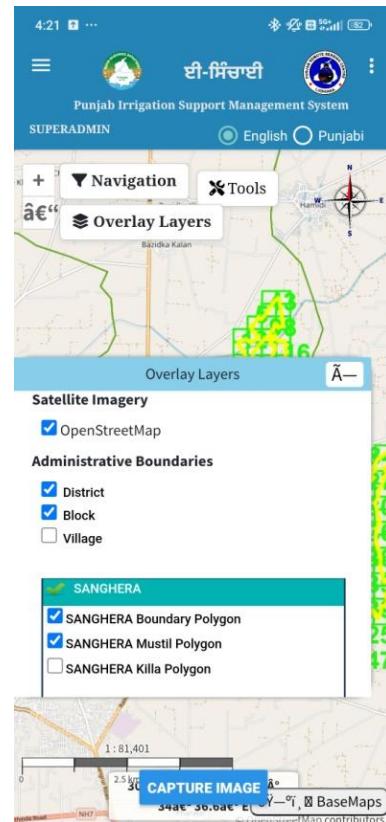


Fig. 118

- **Map Tools** – Includes:

- **Print** – Export current map view.
- **Comment** – Add notes or markups.
- **Measurement Tools** – Measure distance/area.
- **Drawing Tools** – Create shapes/polygons on the map.
- **Legend** – View symbology of displayed layers (Figure 4).

- **Basemap Options** – Switch between OpenStreetMap, Satellite, Terrain, Dark Map, Carto Light, and Esri Maps (Figure 5).
- **Capture Image** – Save current map view for records/reports.

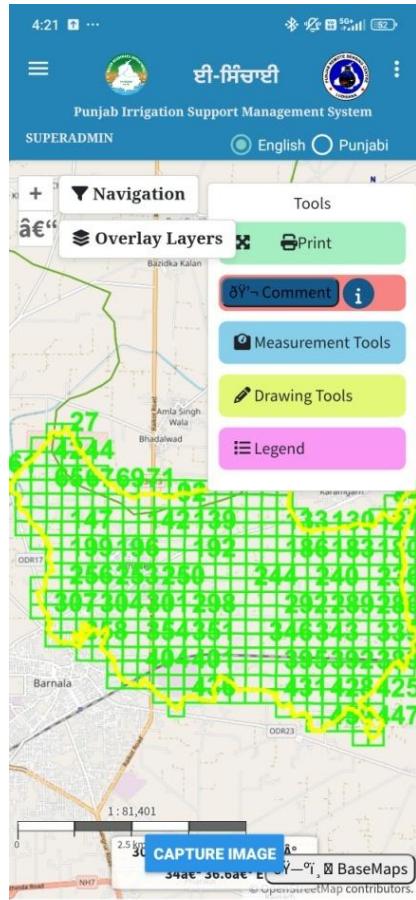


Fig. 119

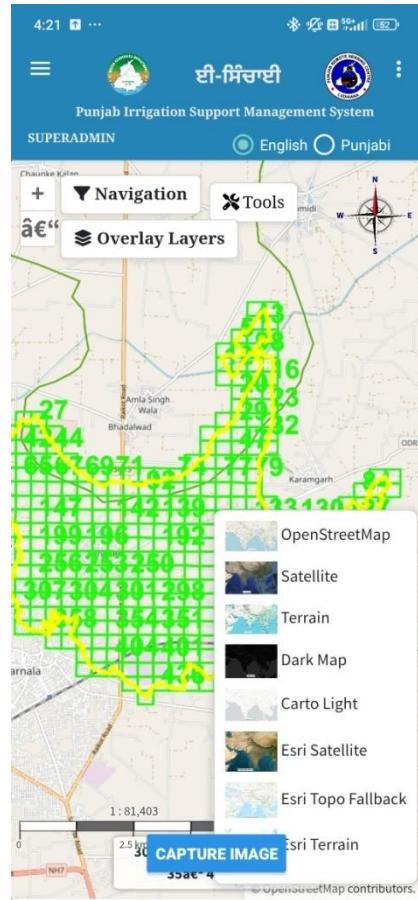


Fig. 120