

2023

**Punjab Irrigation Support and
Management System
(PISMS): Mobile & Web v1.0**

User Manual



Punjab Irrigation Support and Management System (PISMS)

Funded By



Water Resource Department, Govt. of Punjab

Designed and Developed by-



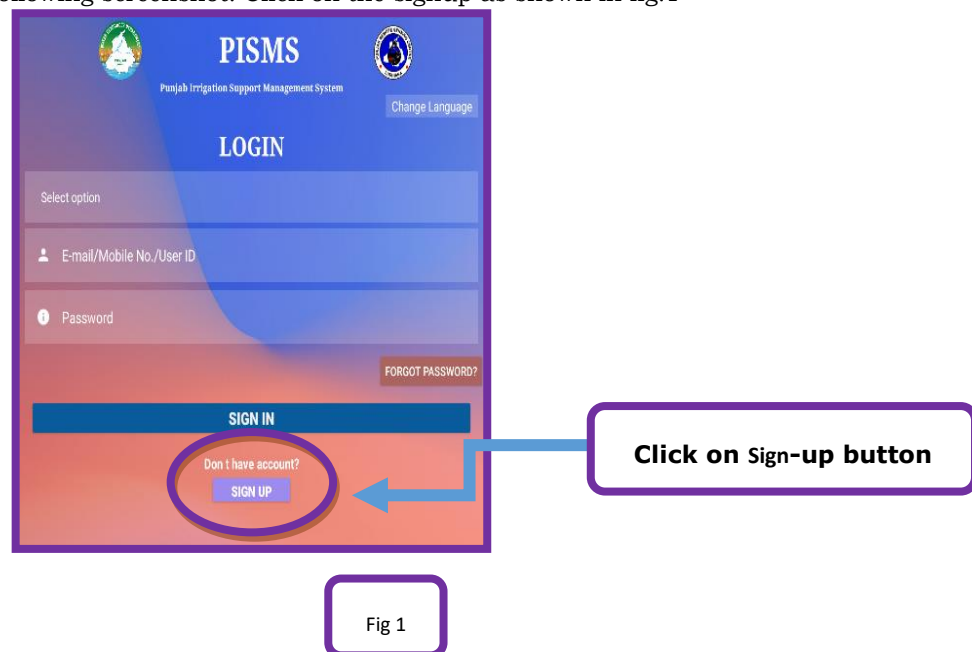
**Punjab Remote Sensing Centre (PRSC),
PAU campus Ludhiana, Punjab-141004**

Punjab Remote Sensing Centre, PAU Campus Ludhiana

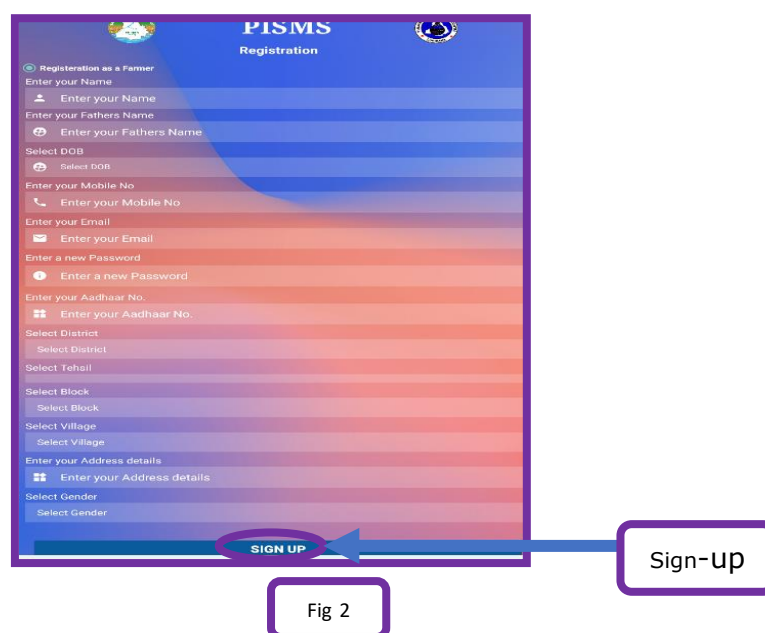
ਪੰਜਾਬ ਸਿੰਚਾਈ ਸਹਾਇਤਾ ਪ੍ਰਬੰਧਨ ਪ੍ਰਣਾਲੀ/Punjab Irrigation Support Management System
Android Application

Android Registration

- Steps to Register:
- Go through the following screenshot. Click on the signup as shown in fig.1



- Fill the fields- Name, Father Name, DOB, Mobile Number, Password, Select District, Tehsil, Block, Village as shown in fig. 2.



- Click on **SIGN UP** Button.

➤ Steps to Login:

1. Select the Role from the form as shown in fig. 3.- as Farmer or any Officers.

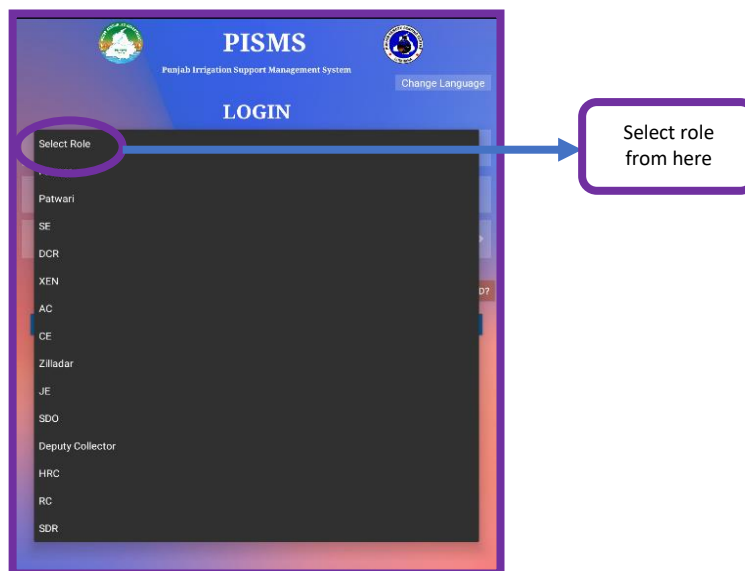


Fig 3

2. Fill your Registered Mobile No./Email/User id and Password. Then click Sign in as shown in fig4.

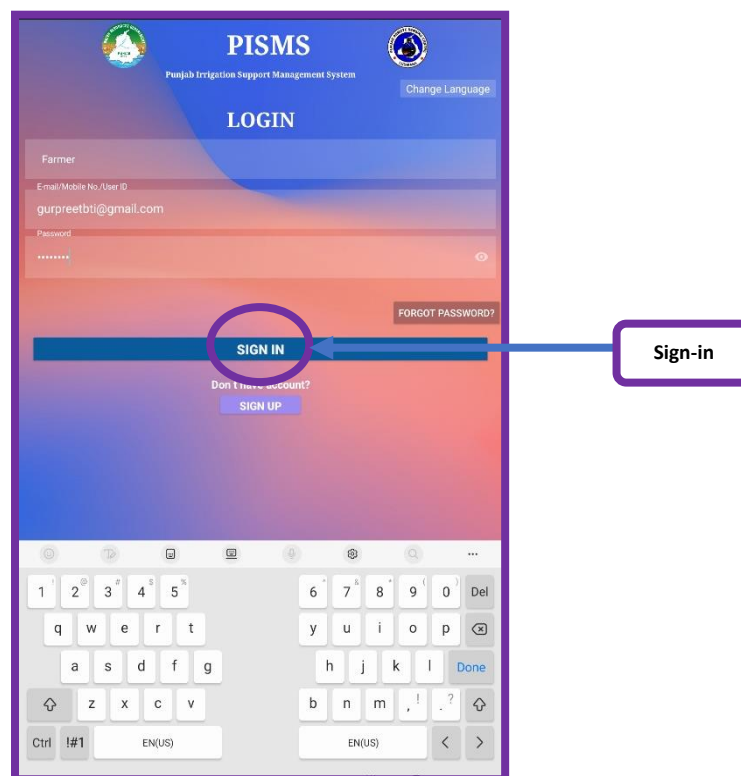


Fig 4

➤ **Farmer Login:**

1. After Login, Farmer Dashboard will appear as shown in fig. 5. which will display the button for Create a new request, Total Applications Submitted by Farmer, Pending Applications, Approved Applications, Rejected Applications, Change Language option on the top of the page.

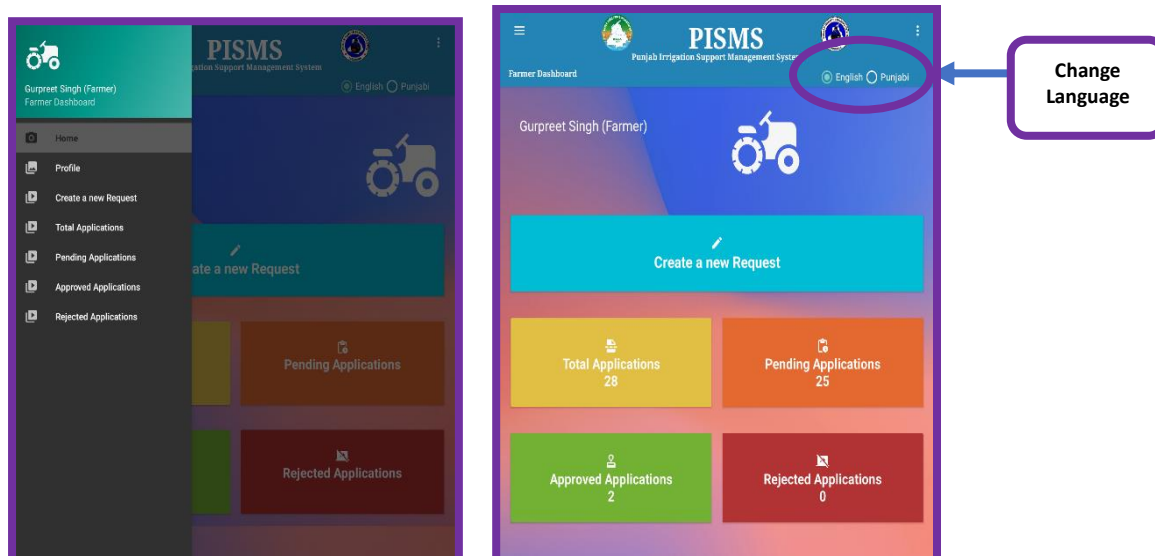


Fig 5

2. In Farmer side menu options are Home, Profile, create a new Request, Total Applications, Pending Applications, Approved Applications, Rejected Applications as shown in fig. 5
3. In the farmer profile activity, the farmer can update his personal information along with password update as shown in fig. 6

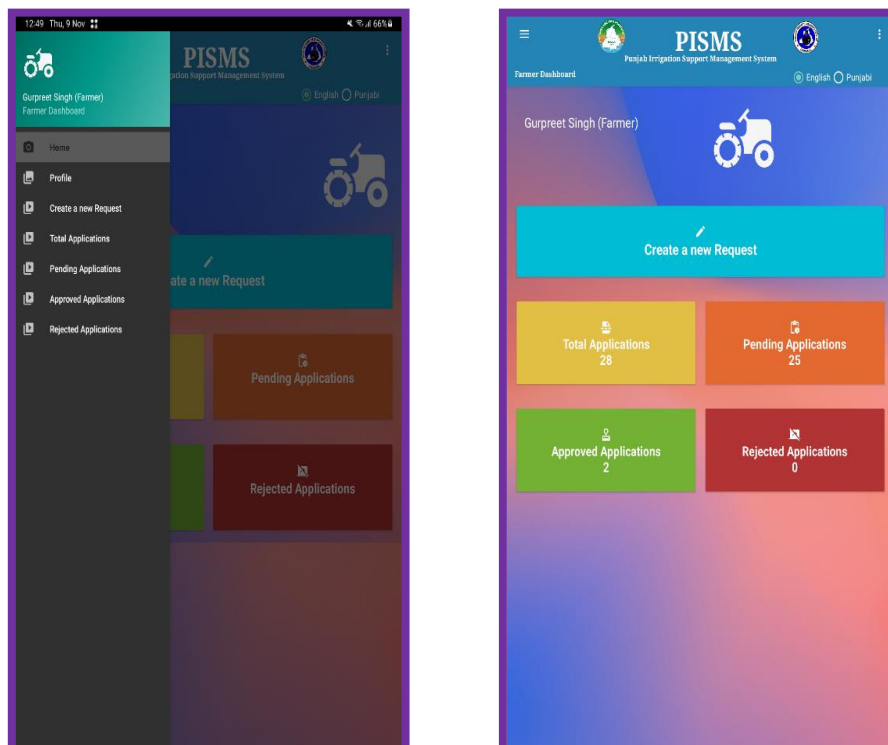


Fig 6

- In create a new request activity, the farmer can create a new request related to the nature of the application with attached documents and fill the relevant details as shown in fig7.

The screenshot shows the 'Create a new Request' form in the PISMS Farmer Dashboard. The form is divided into several sections:

- Select type of application:** Includes 'Cases related to Outlet and Water Courses' and 'Restoration of running/dismantled watercourse'.
- Nature of case (Whichever is applicable):** Includes 'Restoration of running/dismantled watercourse'.
- Personal Information:** Fields for Name (Gurpreet Singh), Father Name (Jagjeet Singh), Mobile (9877202138), and E-mail (gurpreetk@ Gmail .com).
- Application Detail:** Fields for Select State (Punjab), Select District (Ludhiana), Select Tehsil (Jagraon), Select Block (Jagraon), and Select Village (Basuwal (101)).
- Water Channel:** Fields for Name of Water Channel (W1), R.D. of Outlet with side (07209), Select Patwari (Davinder Singh), Enter Acreage of Land (200), and Enter Killa/Khasra No. (2364, 14442).
- Reason in detail, for submitting the application:** A text area for providing details.
- List of Documents with the subordinate District:** Includes checkboxes for Jamabandi (checked), Chakbandi, Naksha Nakal, Wara Bandi, and Any other (checked).
- Upload the relevant files in pdf and jpg/jpeg format:** A section for uploading documents, showing a sample PDF file.
- Submit:** A blue button labeled 'SUBMIT' with a link 'Click to submit the form'.

Annotations on the left side of the form include:

- Application
- Nature of Case
- Farmer Personal information
- Select District, Tehsil, Block, Village of Farmer Land details.

Annotations on the right side of the form include:

- Water channel
- Select the R.D. of Outlet
- Select the
- Select the Acreage of Land, Mustill No., Killa no/ Khasra No and fill the reason for submitting the
- Upload the relevant files in pdf and jpg/jpeg format.
- Submit

Fig 7

- After create a new request, in this activity displays the list of applications submitted by the farmer with filters i.e.: Pending, Approved and Rejected as shown in fig. 8.

The screenshot shows the 'View Application status' page in the PISMS Farmer Dashboard. The page displays a list of applications submitted by the farmer, with filters for Pending, Rejected, and Approved. The applications are listed in a table with columns for Request id, Application Type, Nature of Application, Outlet No, Village Name, Patwari Name, and Request Date. Each application entry has a 'VIEW STATUS' button.

Request id	Application Type	Nature of Application	Outlet No	Village Name	Patwari Name	Request Date
98	Cases related to Warabandi	Amendment in Warabandi	0934	Kot Shamir	Sumit Patwari	2023-11-28 15:59:33.018814
97	Cases related to Outlet and Water Courses	New watercourse demanding with compensation	07209	Basuwal	Sumit Patwari	2023-11-25 15:40:08.058371
96	Cases related to Outlet and Water Courses	Any other	07209	Basuwal	Sumit Patwari	2023-11-22 15:03:45.7287
95	Cases related to Outlet and Water Courses	Shifting head of outlet	07209	Basuwal	Sumit Patwari	2023-11-20 12:27:25.465207

View Application status

Fig 8

- Click on the View Status button, in which the farmer can view the status of the respective application as shown in fig. 9.

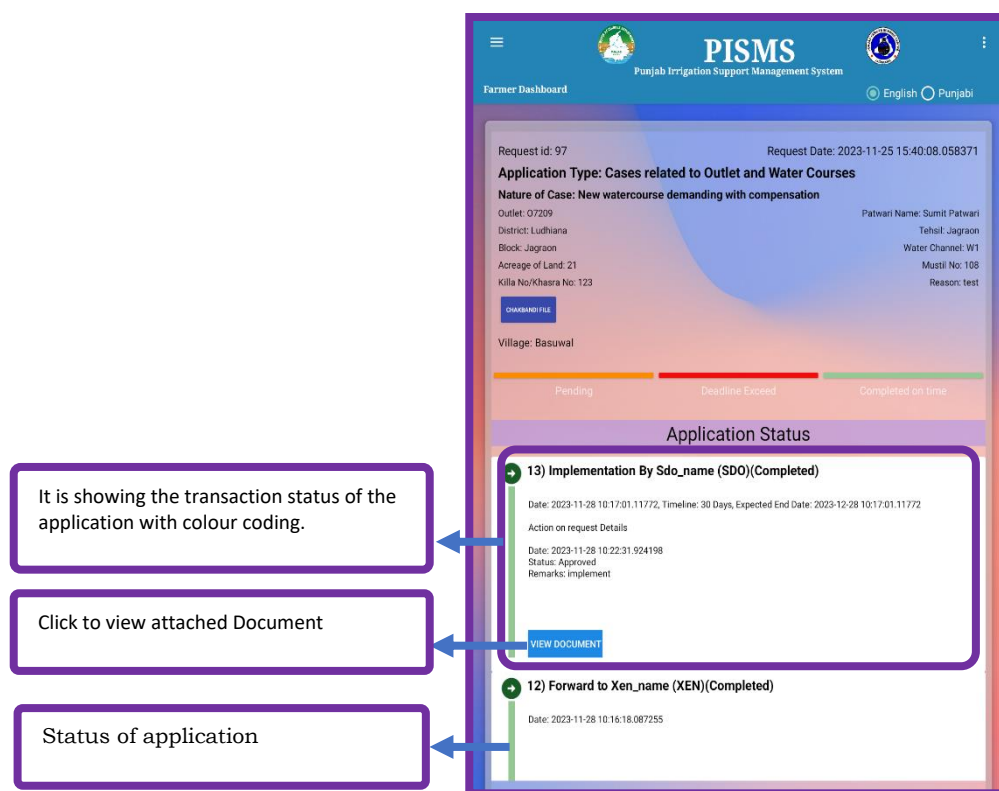


Fig 9

➤ Officials Login:

- After login, the official dashboard will appear as shown in fig.10. Manage a new request, view the list of total applications submitted by concerned farmers, pending applications, approved applications, rejected applications, delayed applications by authorities. Change language option at the top of the page.



Fig 10

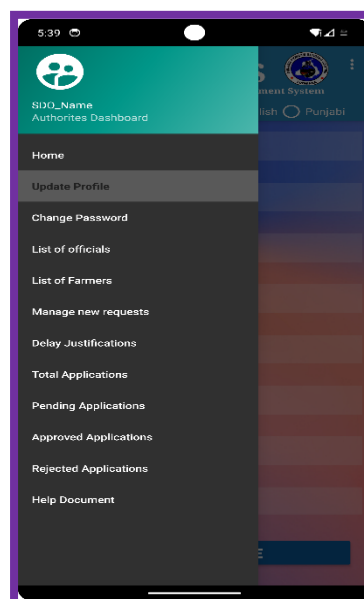


Fig 11

2. In side menu options are Home, Profile, List of officials, List of Farmers, manage a new Request, Delay Justifications, Total Applications, Pending Applications, Approved Applications, Rejected Applications as shown in fig. 11.
3. In the profile activity, the officials can show his personal information as shown in fig. 12 like DOB, mobile no., email, address etc along with update his password.

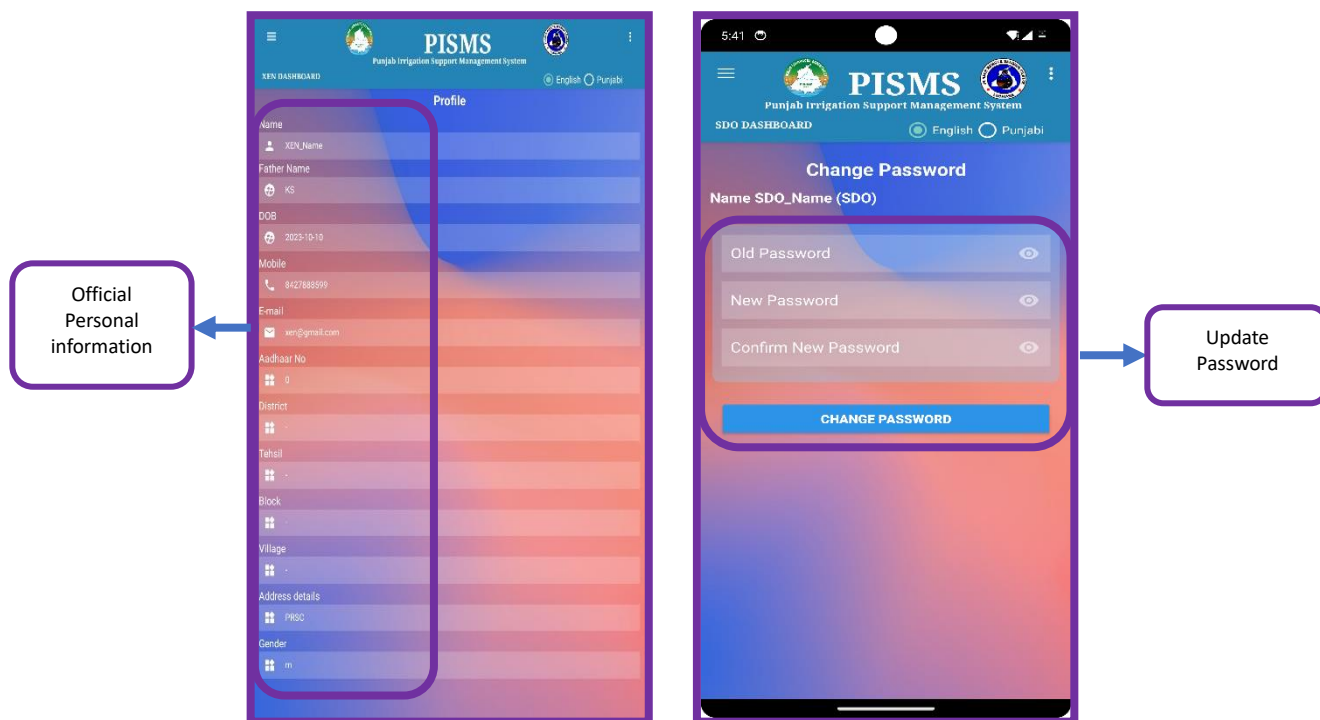


Fig 12

4. In fig. 13, on click, Manage New Request, he can check the new application.

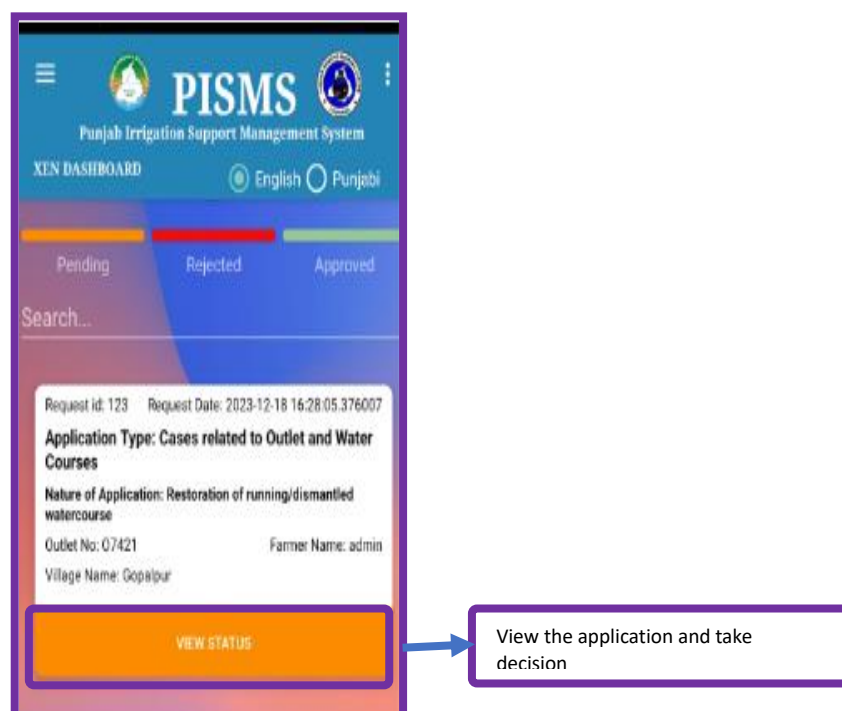
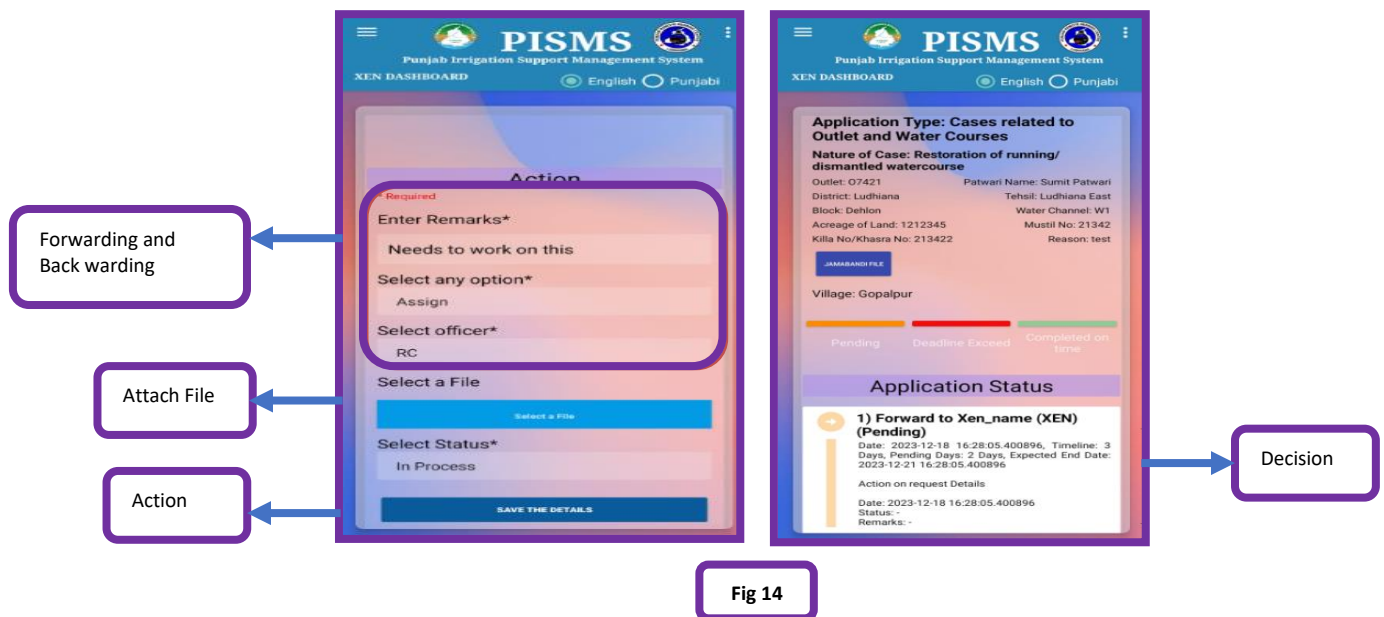
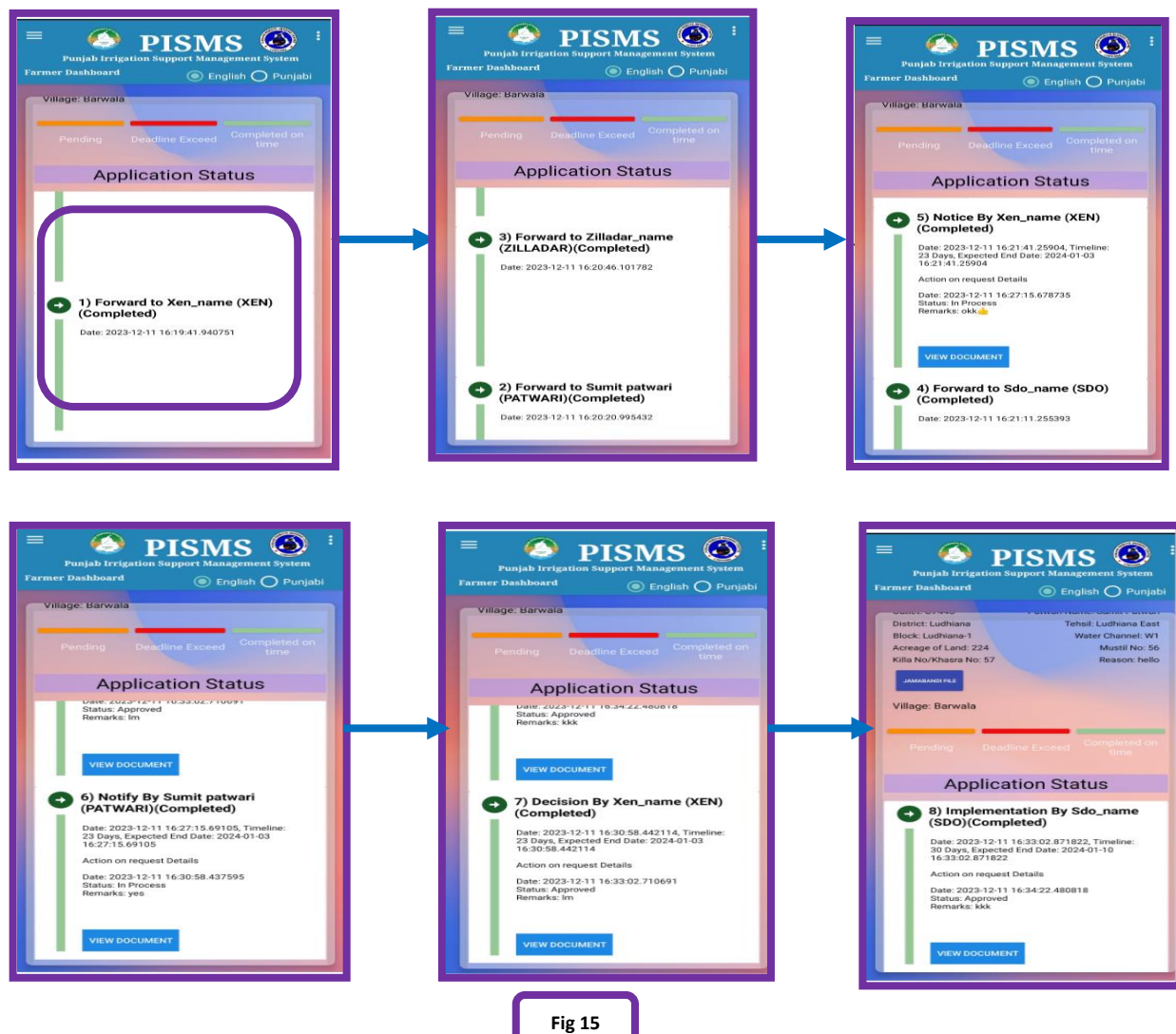


Fig 13

- In fig. 14, Authority take action like forwarding or Assign to another officer. He can upload the relevant file and submit it.



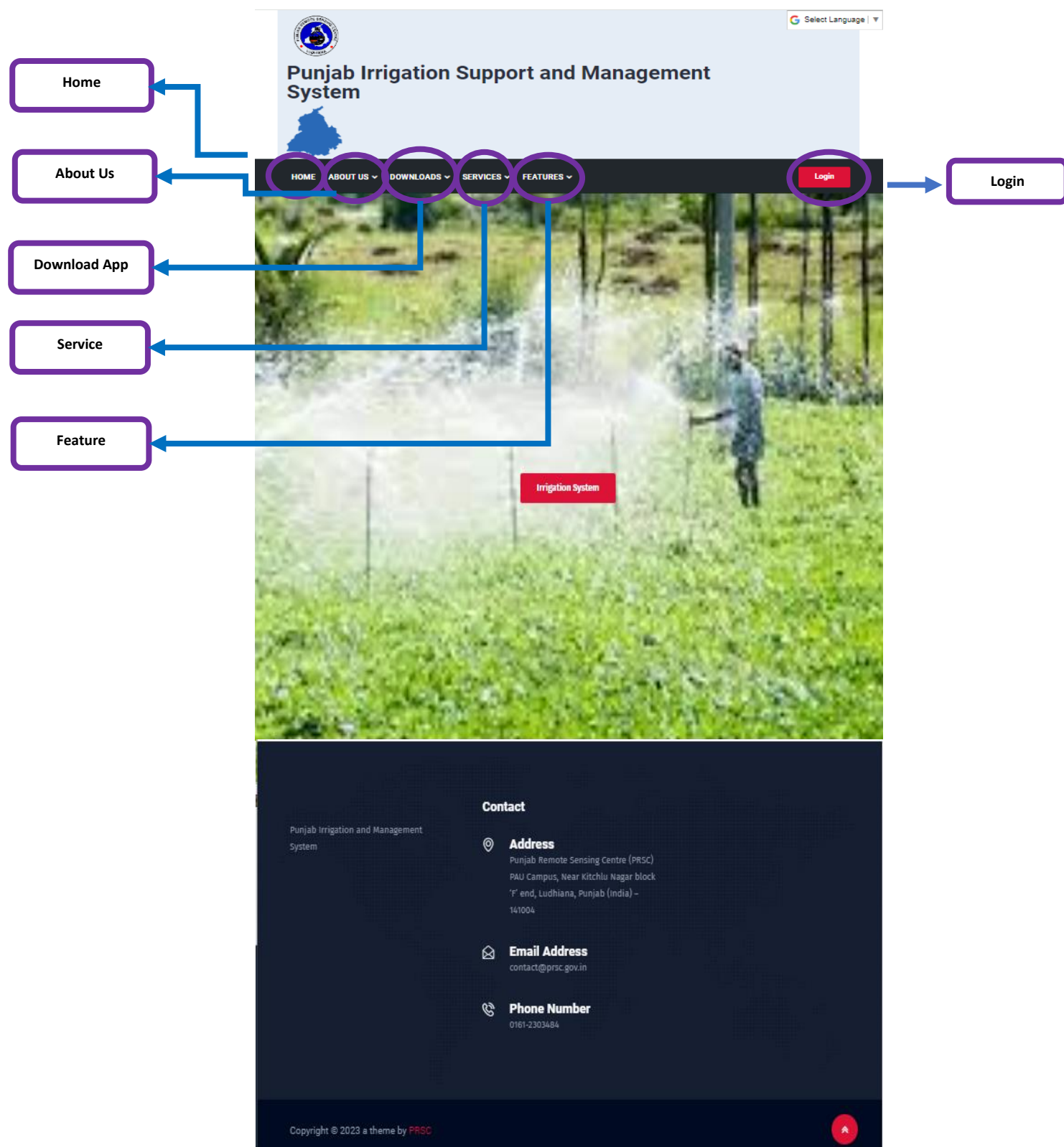
- Here is the flow of the application in fig. 15



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 Url:-<http://202.164.39.163:8085/WRD/front.html>

➤ Web Application

- Here is the landing page for the user.



- Here the user can register himself with the credentials like name, father's name, phone no. etc. and after registration can login-in while selecting the type of user.

Punjab Irrigation Support and Management System

HOME ABOUT US DOWNLOADS SERVICES FEATURES

Login/Sign Up
Home / Login

Login Here

Farmer's and Authorities Login Here!!

User type

Email/Mobile No/Login ID

Password

Farmer's Sign Up Now

Full Name

Father Name

Phone

Email

Password

Adhaar Number

dd-mm-yyyy

Address

Gender
☐ Male ☐ Female

District

Tehsil

Block

Village

User Details

Register

Contact

Address
Punjab Remote Sensing Centre (PRSC) PAU
Campus, Near Kirti Nagar Block 977 and,
Ludhiana, Punjab (India) ? 141004

Email Address
contact@prsc.gov.in

Phone Number
0161-2303484

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- As shown in fig. 16, here is the farmer's dashboard. Here he can view the all type of applications like pending, approval, submitted and rejected applications along with edit his profile as shown in fig. 17.

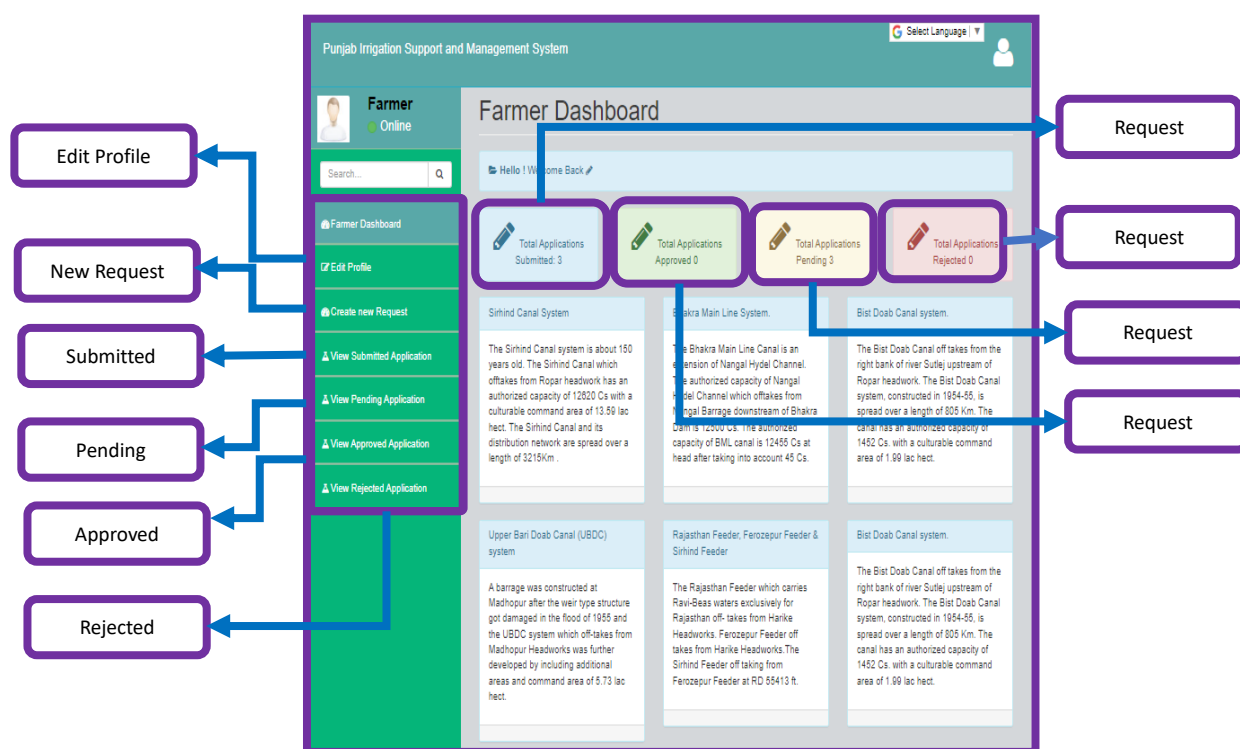


Fig.16

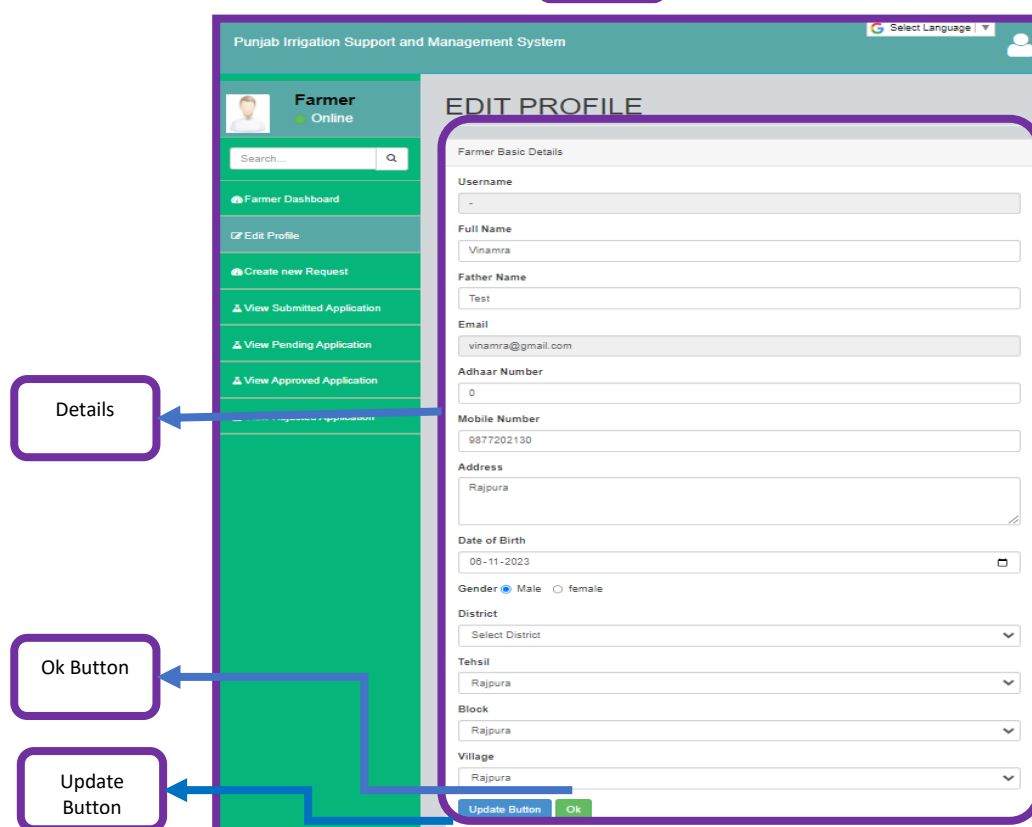


Fig.17

- User can generate new request while entering the details like type of application, district, tehsil, block, mustil no., khasra no. etc and upload the relevant files as shown in fig 18.

Submit Applications

Farmer Land Details

Personal Details

Full Name

Father Name

Email

Mobile Number

Application Details

Select Application Type

Select Application Form

Select State

Select District

Select Tehsil

Select Block

Application Details

Select Patwari

Aoreage of Land

Mustil Number

Khasra/Killa Number

Reason in detail for submitting application

Upload Jamabandi

Choose File | No file chosen

Upload Chakbandi

Choose File | No file chosen

Upload Naksha Nakal

Choose File | No file chosen

Upload Warabandi

Choose File | No file chosen

Upload Any Other Document

Choose File | No file chosen

Reason for any other document

Enter Reason

Submit Application

Reset Button

Upload

Submitted

Reset

Fig.18

View Application Detail

Application Details

APPLICATION TYPE	Cases related to Warabandi
NATURE OF APPLICATION	New Warabandi
DISTRICT	Ludhiana
TEHSIL	Ludhiana East
BLOCK	Ludhiana-1
VILLAGE	Barwala
WATER CHANNEL	W1
OUTLET	07443
PATWARI	Sumit Patwari
ACREAGE OF LAND	123
MUSTIL NUMBER	234
KILLA/KHASRA NUMBER	456
REASON OF APPLICATION	irrigation
APPLICATION SUBMISSION	2023-12-20
CURRENT STATUS OF APPLICATION	Rejected

Application Flow

PATWARI

Application forwarded on 2023-12-20 14:34:09 208896

DC

Application forwarded on 2023-12-20 14:31:27 677096

PATWARI

Application forwarded on 2023-12-20 14:27:38 13755

DC

Application forwarded on 2023-12-20 14:26:18 77884

Details

Decision

Fig.19

- As shown in fig. 19, user can have a view of total application. On click Details feature, user can view the application details like application flow, notice along with decision of the authority as shown in fig. 20.

Farmer Dashboard Summary:

- Total Applications Submitted: 3
- Total Applications Approved: 0
- Total Applications Pending: 3
- Total Applications Rejected: 0

Submitted Applications Table:

Application ID	Application Type	Application Nature	Water Channel	Outlet	Mustil No	Khasra No	Patwari	Detail
87	Cases related to Outlet and Water Courses	Alignment of watercourse	W1	O10193	55	21	Sumit Patwari	Detail
83	Cases related to Outlet and Water Courses	New watercourse demanding with compensation	W1	O10193	12	38	Sumit Patwari	Detail
82	Cases related to Outlet and Water Courses	Alignment of watercourse	W1	O10193	12	28	Sumit Patwari	Detail

Fig.20

- Here is the total application.

Authorities Dashboard Summary:

- Total Applications Submitted: 68
- Total Applications Approved: 8
- Total Applications Pending: 58
- Total Applications Rejected: 0

All Submitted Applications:

Application	Application	Application
Application ID::124 Application Type::Cases related to Outlet and Water Courses Application Nature::Restoration of running/dismantled watercourse Application Status::Pending VIEW DETAIL	Application ID::123 Application Type::Cases related to Outlet and Water Courses Application Nature::Restoration of running/dismantled watercourse Application Status::Pending VIEW DETAIL	Application ID::121 Application Type::Cases related to Outlet and Water Courses Application Nature::Alignment of watercourse Application Status::Pending VIEW DETAIL

- Here is the new application.

The screenshot displays the 'Authorities Dashboard' for the Punjab Irrigation Support and Management System. The dashboard includes a sidebar with navigation options: Authorities (Online), Dashboard, Farmers Application, Delay Justification, List of Officials, and List of Farmer. The main content area shows a welcome message and four summary cards: Total Applications Submitted (68), Total Applications Approved (8), Total Applications Pending (58), and Total Applications Rejected (0). Below these, the 'Manage New Applications' section lists three applications, all with a status of 'Pending'.

Application	Application	Application
Application ID::121	Application ID::59	Application ID::58
Application Type::Cases related to Outlet and Water Courses	Application Type::Cases related to Outlet and Water Courses	Application Type::Cases related to Outlet and Water Courses
Application Nature::Alignment of watercourse	Application Nature::Restoration of running/dismantled watercourse	Application Nature::Restoration of running/dismantled watercourse
Application Status::Pending	Application Status::Pending	Application Status::Pending
VIEW DETAIL	VIEW DETAIL	VIEW DETAIL

- Here is the pending application.

This screenshot is identical to the one above, showing the 'Authorities Dashboard' with the same navigation sidebar, summary cards, and a list of three pending applications. Each application card includes a 'VIEW DETAIL' link at the bottom.

Application	Application	Application
Application ID::121	Application ID::59	Application ID::58
Application Type::Cases related to Outlet and Water Courses	Application Type::Cases related to Outlet and Water Courses	Application Type::Cases related to Outlet and Water Courses
Application Nature::Alignment of watercourse	Application Nature::Restoration of running/dismantled watercourse	Application Nature::Restoration of running/dismantled watercourse
Application Status::Pending	Application Status::Pending	Application Status::Pending
VIEW DETAIL	VIEW DETAIL	VIEW DETAIL

- Here is the approved application.

The screenshot displays the 'Authorities Dashboard' for the Punjab Irrigation Support and Management System. The dashboard includes a sidebar with navigation options: Dashboard, Farmers Application, Total Request, Manage New Request, Pending Request, Approved Request, Rejected Request Request, Delay Justification, List of Officials, and List of Farmer. The main content area shows a welcome message and four summary cards for application statistics: Submitted (68), Approved (8), Pending (58), and Rejected (0). Below these, the 'Approved Applications' section lists three applications with their details and 'VIEW DETAIL' links.

Application	Application	Application
Application ID::120	Application ID::119	Application ID::116
Application Type::Cases related to Outlet and Water Courses	Application Type::Cases related to Outlet and Water Courses	Application Type::Cases related to Outlet and Water Courses
Application Nature::Restoration of running/dismantled watercourse	Application Nature::Restoration of running/dismantled watercourse	Application Nature::Any other Cases related to Outlet and Water Courses
Application Status::Approved	Application Status::Approved	Application Status::Approved
VIEW DETAIL	VIEW DETAIL	VIEW DETAIL

- Here is the rejected application.

The screenshot displays the 'Authorities Dashboard' for the Punjab Irrigation Support and Management System, focusing on rejected applications. The sidebar navigation is the same as the previous screenshot. The main content area shows a welcome message and four summary cards for application statistics: Submitted (55), Approved (8), Pending (43), and Rejected (3). Below these, the 'Rejected Applications' section lists three applications with their details and 'VIEW DETAIL' links.

Application	Application	Application
Application ID::125	Application ID::118	Application ID::115
Application Type::Cases related to Warabandi	Application Type::Cases related to Warabandi	Application Type::Cases related to Warabandi
Application Nature::New Warabandi	Application Nature::Any other Cases related to Warabandi	Application Nature::Amendment in Warabandi
Application Status::Rejected	Application Status::Rejected	Application Status::Rejected
VIEW DETAIL	VIEW DETAIL	VIEW DETAIL

- Here is the view of decision to be taken by the authority i.e either forward, assigning or backward etc.

View Application detail and take Action

Application Details

Application Information

Application Details Farmer Detail Application Transaction

APPLICATION TYPE	Cases related to Outlet and Water Courses
NATURE OF APPLICATION	Restoration of running/dismantled watercourse
DISTRICT	Ludhiana
TEHSIL	Ludhiana East
BLOCK	Dehlon
VILLAGE	Kila Raipur
WATER CHANNEL	W1
OUTLET	O7427
PATWARI	Sumit Patwari
ACREAGE OF LAND	212
MUSTIL NUMBER	21
KILLA/KHASRA NUMBER	22
REASON OF APPLICATION	-
APPLICATION SUBMISSION DATE	2023-12-18 16:56:10.364291
CURRENT STATUS OF APPLICATION	Pending
JAMABANDI	JAMABANDI

Action

Enter Remarks

Enter Remarks

Select Any Option

Select Option

Select Any Option

Select Option

Upload File

Choose File No file chosen

Select Status

Select status

Submit Application Reset Button

Track Application

PATWARI

Application forwarded on 2023-12-18 16:57:00.103337

Timeline Days 12

Pending Datys 10

Status -

Application Remarks- Attachment-

- Here is the authority can give delay justification for the application.

Punjab Irrigation Support and Management System

Authorities Dashboard

Search...

Dashboard

Farmers Application

Total Request

Manage New Request

Pending Request

Approved Request

Rejected Request Request

Delay Justification

List of Officials

List of Farmer

Hello ! Welcome Back

Total Applications Submitted: 55

Total Applications Approved: 8

Total Applications Pending: 43

Total Applications Rejected: 3

All Delay Justifications

Completed

Pending

- Here is the list of officials.

Punjab Irrigation Support and Management System

Select Language |

Authorities
Online

Search...

Dashboard

Farmers Application

Delay Justification

List of Officials

List of Farmer

Authorities Dashboard

Hello ! Welcome Back

Total Applications Submitted: 55

Total Applications Approved: 8

Total Applications Pending: 43

Total Applications Rejected: 3

List of Officials

ID	Name	Email	Mobile	
2	Sumit Patvari	spatvari88@gmail.com	8427888592	Detail
3	XEN_Name	xen@gmail.com	8427888599	Detail
4	Ziladar_Name	ziladar@gmail.com	8427888589	Detail
5	DeputyCollector_Name	dc@gmail.com	8427888588	Detail
6	JE_Name	je@gmail.com	8427888587	Detail
7	SDO_Name	sdo@gmail.com	8427888586	Detail
8	SE_Name	se@gmail.com	8427888585	Detail
9	CE_Name	ce@gmail.com	8427888584	Detail
10	AC_Name	ac@gmail.com	8427888582	Detail
11	HRC_Name	hrc@gmail.com	8427888581	Detail
12	RC_Name	rc@gmail.com	8427888580	Detail
13	SDR_Name	sdr@gmail.com	8427888593	Detail
14	DCR_Name	dcr@gmail.com	8427888594	Detail

- Here is the list of farmers.

Punjab Irrigation Support and Management System

Select Language |

Authorities
Online

Search...

Dashboard

Farmers Application

Delay Justification

List of Officials

List of Farmer

Authorities Dashboard

Hello ! Welcome Back

Total Applications Submitted: 55

Total Applications Approved: 8

Total Applications Pending: 43

Total Applications Rejected: 3

List of Farmers

Application ID	Name	Email	Mobile	Aadhar	District	Tehsil	Block	Village	
1	Sumit Farmer2	smalhotra88@hotmail.com	8427888593	undefined	Ludhiana	Jagraon	Sidhwan Bel	Abbupura	Detail
2	Gurpreet Singh	gurpreetbti@gmail.com	9877202138	undefined	Mansa	Mansa	Jhunir	Banavala	Detail
18	admin	admin@gmail.com	7894561230	undefined	Jalandhar	Jalandhar I	Adampur	Dolike Sonder	Detail
21	Vinamra	vinamra@gmail.com	9877202130	undefined	Patiala	Rajpura	Rajpura	Rajpura	Detail
22	Happy Singh	sukhdev@gmail.com	9876543215	undefined	Bathinda	Bathinda	Bathinda	Jassi Pau	Detail
25	vinamra	vinamra.hnb@gmail.com	8755094820	undefined	Ludhiana	Ludhiana East	Ludhiana-1	Barvala	Detail
26	Jagjeet Singh	jagjeet@gmail.com	9877258035	undefined	Bathinda	Bathinda	Bathinda	Baho Sibian	Detail
34	Farmer	abc@gmail.com	9876543210	undefined	Ludhiana	Ludhiana East	Ludhiana-1	Barvala	Detail
37	-	-	7898877845	undefined	-	Select Tehsil	Select Block	Select Village	Detail