

संघ राज्य प्रशासन, लद्दाख



THE ADMINISTRATION OF
UNION TERRITORY OF
LADAKH

जन स्वास्थ्य अभियांत्रिकी/
सीआई एवं बाढ़ नियंत्रण विभाग

PHE/I&FC DEPARTMENT

F. No. M/3403/2026-JJM PMU (C.No.47773)

ई-मेल/email: admsecypheinf@ gmail.com

यूटी सचिवालय, लेह/UT Secretariat, Leh,

Dated: 11.08.2026.

Subject: Adoption of the Sujalam Bharat Mobile App and Project Monitoring Module (PMM) for Physical Progress Monitoring of Jal Jeevan Mission Schemes – reg.

Order No. 90-LA(PHE/I&FC) of 2026

Dated: 11.08.2026

Whereas, the PHE/I&FC Department, UT of Ladakh has signed the Memorandum of Understanding (MoU) with the National Jal Jeevan Mission (NJJM) for implementation of Jal Jeevan Mission (JJM) 2.0 in the Union territory of Ladakh; and

Whereas, under the JJM 2.0 Operational Guidelines, Project Monitoring Module (PMM) for Physical Progress Monitoring through the Sujalam Bharat Module (CIRP Reform 2.6.4) has been identified as one of the key structural reforms. In this regard, the Government of India, Ministry of Jal Shakti, Department of Drinking Water & Sanitation, National Jal Jeevan Mission, vide Letter No. W-11016/28/2025-JJM-IV-DDWS-Part(4) dated 13.05.2026, has issued the User Manual for the Sujalam Bharat Mobile App and Project Monitoring Module (PMM) (*copies enclosed*); and

Whereas, the Project Monitoring Module (PMM) has been developed to facilitate asset-wise and stage-wise monitoring of the physical progress of Jal Jeevan Mission works, with digital verification and authenticated record maintenance through the Sujalam Bharat Mobile App.

Now, therefore, all the District Water and Sanitation Missions (DWSMs) are hereby directed to:

1. Ensure immediate adoption of the Sujalam Bharat Mobile App and the Project Monitoring Module (PMM) for monitoring all ongoing Jal Jeevan Mission works.
2. Nominate the concerned officers/officials responsible for regular field monitoring and updation of physical progress through the PMM.
3. Ensure that physical progress of all JJM schemes/assets is updated regularly and accurately in the Sujalam Bharat Module in accordance with the User Manual and instructions issued by NJJM from time to time.
4. Monitor the quality and timeliness of data entry so that the Project Monitoring Module reflects the latest field status of every scheme.

5. Extend all necessary support to field functionaries for effective implementation of the module and ensure strict compliance with the provisions of the JJM 2.0 Operational Guidelines.

The progress of implementation shall be reviewed periodically by the PHE/I&FC Department. Any delay or non-compliance shall be viewed seriously.

By order of the Administration of UT of Ladakh.

Sd/-
(Shurbir Singh) IAS,
Commissioner/Secretary,
PHE/I&FC Department.

Copy to the:

1. Secretary, Department of Drinking Water & Sanitation, Ministry of Jal Shakti, Government of India.
2. Mission Director, NJJM, DDWS, Ministry of Jal Shakti, Government of India.
3. Divisional Commissioner, Union territory of Ladakh.
4. Joint Secretary (JKL), Ministry of Home Affairs, Government of India.
5. Secretary to the Hon'ble Lieutenant Governor, UT of Ladakh.
6. All Deputy Commissioners (Chairman, DWSM), UT of Ladakh.
7. Chief Engineer, PHE/I&FC Department, UT of Ladakh.
8. Superintending Engineer, PHE/I&FC Circle, Leh/Kargil and All Executive Engineers.
9. Joint Director, Information, UT of Ladakh, for wide publicity in local media.
10. OSD to the Chief Secretary, UT of Ladakh for information of the Chief Secretary.
11. In-charge NIC, Ladakh for uploading on the official website.
12. Office order File/e-file.


(Dr. Mohammad Usman Khan) JKAS,
Additional Secretary,
PHE/I&FC Department.
Dated: 11.08.2026

No.W-11016/28/2025-JJM-IV-DDWS-Part(4)
Ministry of Jal Shakti
Department of Drinking Water and Sanitation
National Jal Jeevan Mission

Pt. Deendayal Antyodaya Bhawan
CGO Complex, Lodi Road, New Delhi-110003
Dated 13th May, 2026

To

The Principal Secretary/Secretary
In-charge of Rural Drinking Water Supply/PHED
All States/UTs

Subject: User Manual of Sujalam Bharat Mobile App and Project Monitoring Module – reg.

Sir/Madam,

I am directed to refer to the above mentioned subject and to state that with reference to the operationalization of the Sujalam Bharat database, the Sujalam Bharat PM Gati Shakti App has been made live and data entry for rural water supply assets is currently in progress. Some additional features have been added to the App which include Project monitoring module and a feature for Travsect Geospatial mapping of pipelines.

2. The Project Monitoring Module (PMM) is an added functionality within the Sujalam Bharat App for monitoring the physical progress of Jal Jeevan Mission (JJM) assets. The module captures asset-wise and stage-wise progress, routes each entry for verification, and maintains a digital record for review by all concerned users.

3. The Department has developed User manual of Project Monitoring Module and the Transect Geospatial mapping of pipelines (copy enclosed). The manuals have been prepared to facilitate smooth usage and effective monitoring of activities under the respective modules. States/UTs are requested to disseminate the same among the concerned officials and field functionaries for proper utilization of the platform.

4. It is requested that all concerned officers/officials may be advised to make effective use of the Sujalam Bharat Mobile App and Project Monitoring Module for timely reporting and monitoring of works/activities..

Encl.: As above.

Yours faithfully,

(Manoj Kumar Jha)

Under Secretary to the Government of India
Email: manojkumar.jha@nic.in

USER MANUAL

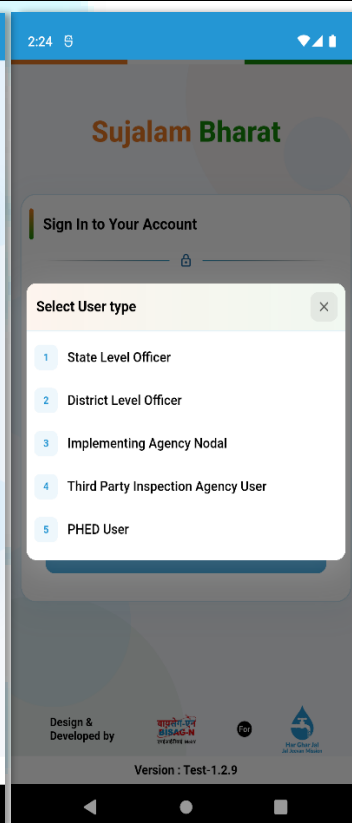
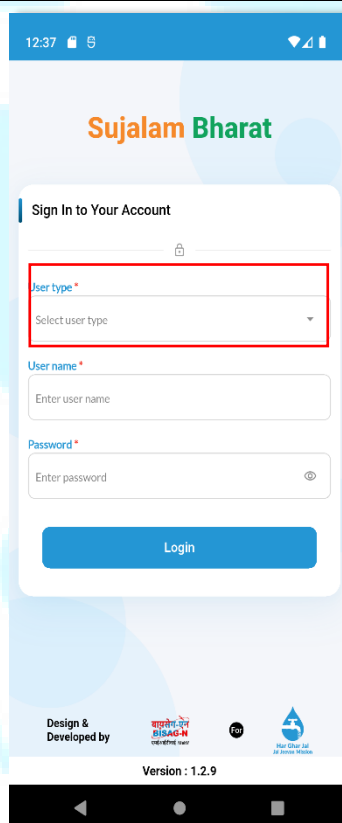
Sujalam Bharat Landing Page:

- Click on the LOGIN tab to proceed to the Login Page.



Login Page:

- User based login is supported in the mobile application as per the 'User Type'.
- The 'State Level Officer' and 'District Level Officer' user are responsible for onboarding of **Designated Implementing Agency (DIA)** and creating the Designated Implementing Agency Nodal and 'Checker' role for asset geotagging/georeferencing.



Sujalam Bharat-PM GatiShakti Mobile Application supports 2 modules namely:

1. Sujalam Bharat Asset-Geotagging Module (workflow to be carried out by State Level Officers, District Level Officers and DIAs)
2. Project Monitoring Module (workflow to be carried out by DIAs, TPIAs and PHED Users)

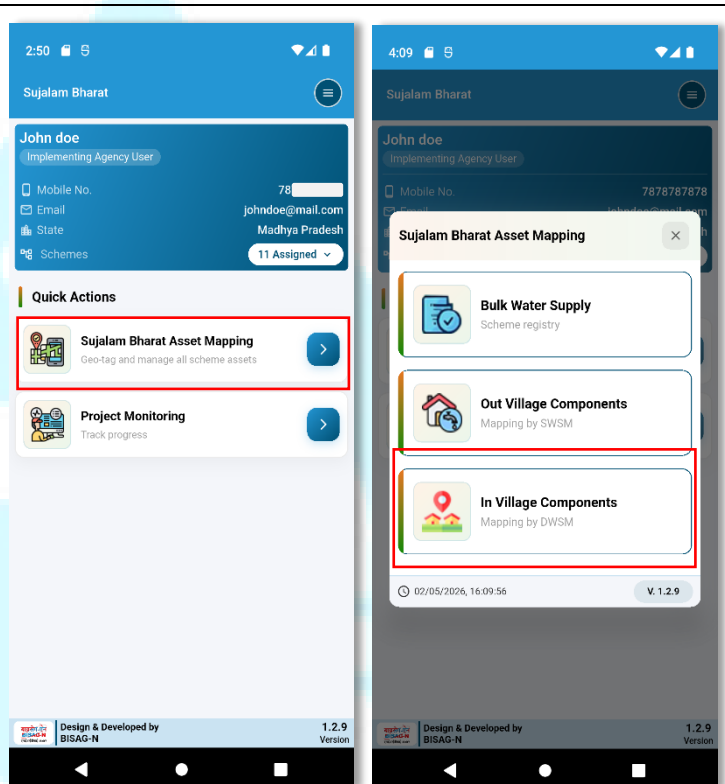
Post the onboarding and workflow allocation of DIAs and TPIAs, DIAs can start their workflow of geospatial mapping of assets.

1) Sujalam Bharat Asset-Geotagging Module

After onboarding of DIAs:

- DIA user needs to login in the mobile application and select the Sujalam Bharat Asset Mapping tab on the user dashboard.
- Select the asset mapping category as 'Bulk Water Supply', 'Out-village Components' and 'In-village Components' to geotag/geo-reference the assets as mapped in the Sujalam Bharat (RPWSS) Module.

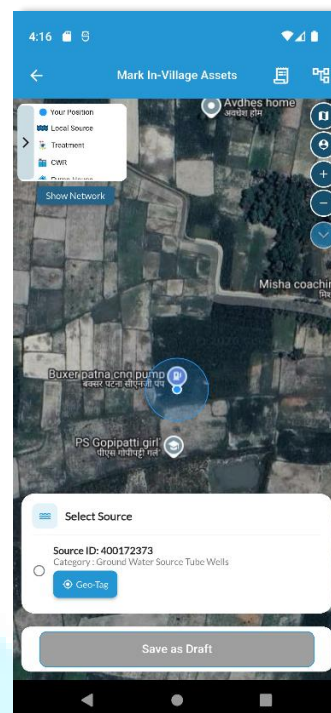
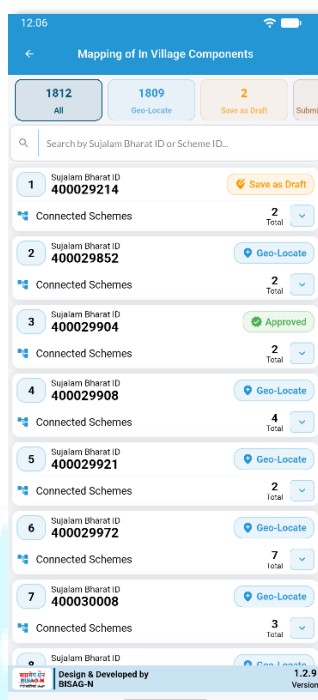
The additional asset mapping feature added i.e. Transect geospatial mapping has to be carried out in a sequential manner from source to distribution pipeline network end point/ferrule in a sequential manner as per the hydraulic flow.



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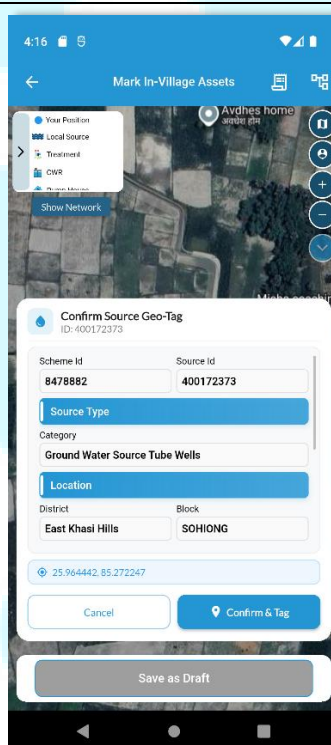
The workflow is same in all three tabs, here for illustrations show the workflow if the DIA user selects the 'In-Village Components'.

- All the Sujalam Bharat IDs created in the Sujalam Bharat (RPWSS) module will be displayed to the DIAs with information of assigned IMIS Scheme ID and Assets IDs for geotagging/georeferencing.
- The user can view and proceed to geotag/geo-reference the assets as mapped in the Sujalam Bharat (RPWSS) module.
- DIA user needs to click on 'Geo-locate' tab to start the process which links to the satellite imagery interface as shown.

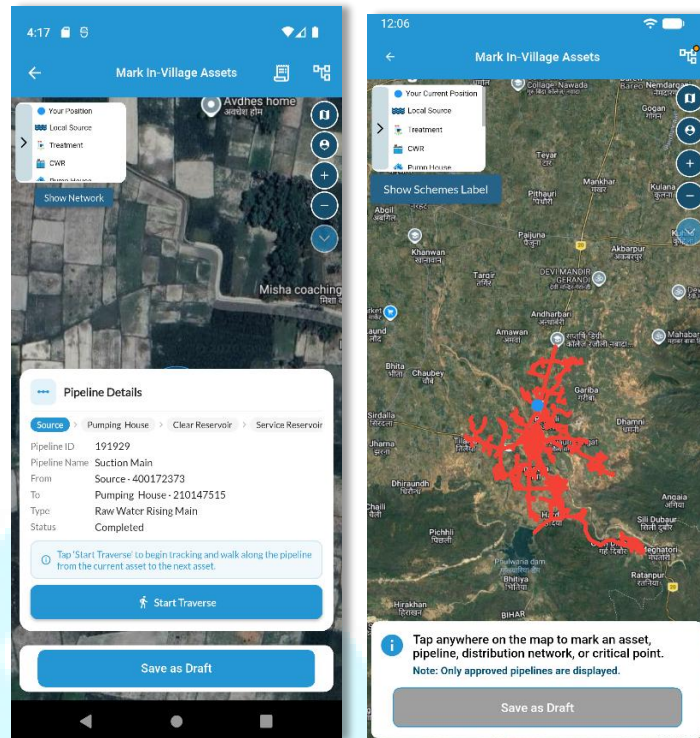


User needs to start from source and sequentially follow with the other assets.

- Start geotagging the source by standing at the location and the system will auto-capture the geospatial coordinates and reflect to the user to confirm.
- To confirm the geotagged coordinates, click on 'Confirm Tag' and proceed to geotag the linked pipelines.
- To view the hydraulic flow diagram and the linked assets with details on node-to-node connectivity of pipelines, the DIA user can check the flow diagram.

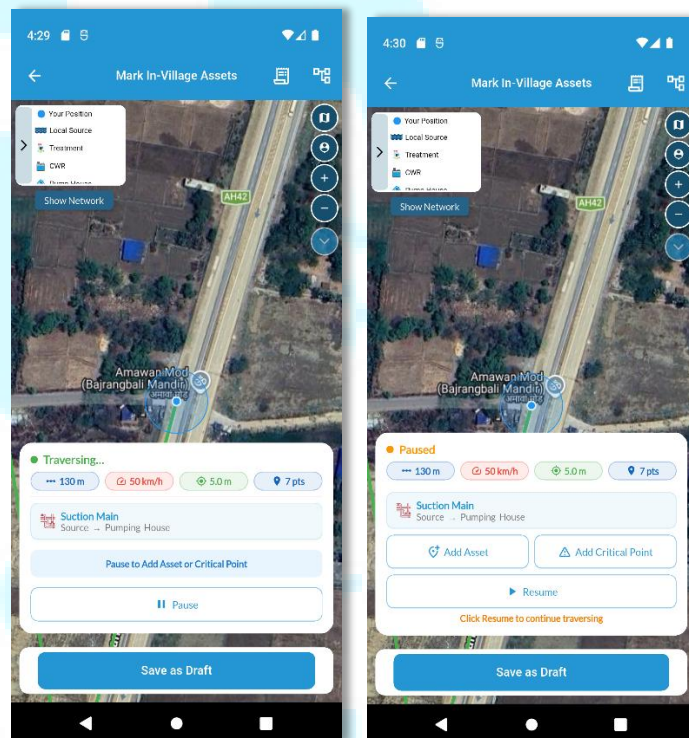


- As per the details regarding the pipeline segment shown as reference to the user to understand the start and end asset, to start the mapping of pipelines user needs to click on **'Start Traverse'** tab.
- Pipeline KML data as uploaded on the PMGatiShakti app is also available to be reflected for the DIA user's reference by clicking on the **'Show Network'** button.



DIA user can 'Start', 'Pause' and 'Resume' the mapping of pipelines as per the requirement wherever they want to add a new asset or a critical point to provide as-built situation mapping.

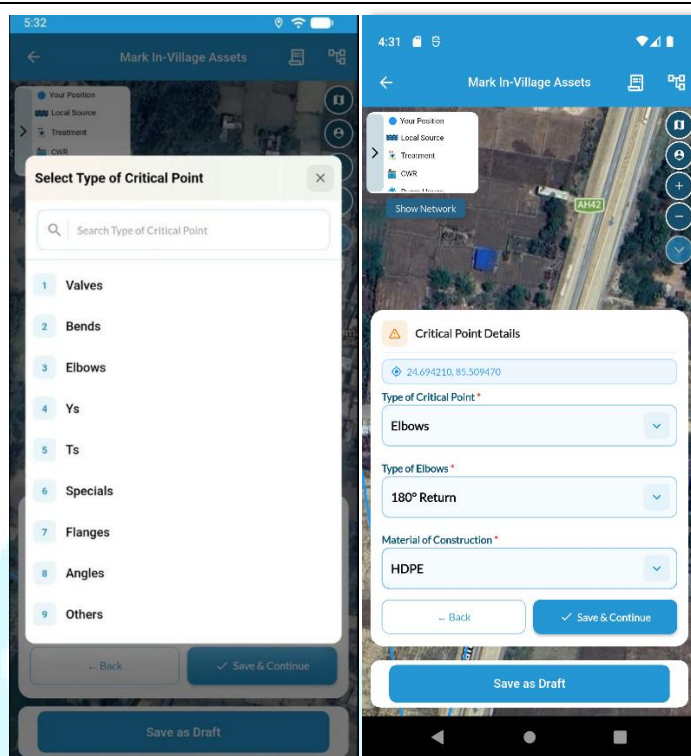
- If the pipeline end-point asset has to be mapped as per the hydraulic flow diagram, the DIA user can pause and click on 'Add Asset' to link the 'From' point and 'To' point as reflected in the previous 'Pipeline Details' tab. Follow the same step for next section of pipeline segments.
- Wherever the DIA finds a change in Diameter or critical points as mentioned in the list available after clicking on 'Add Critical Point' the user needs to geotag critical points with their respective details to be added in the App interface.



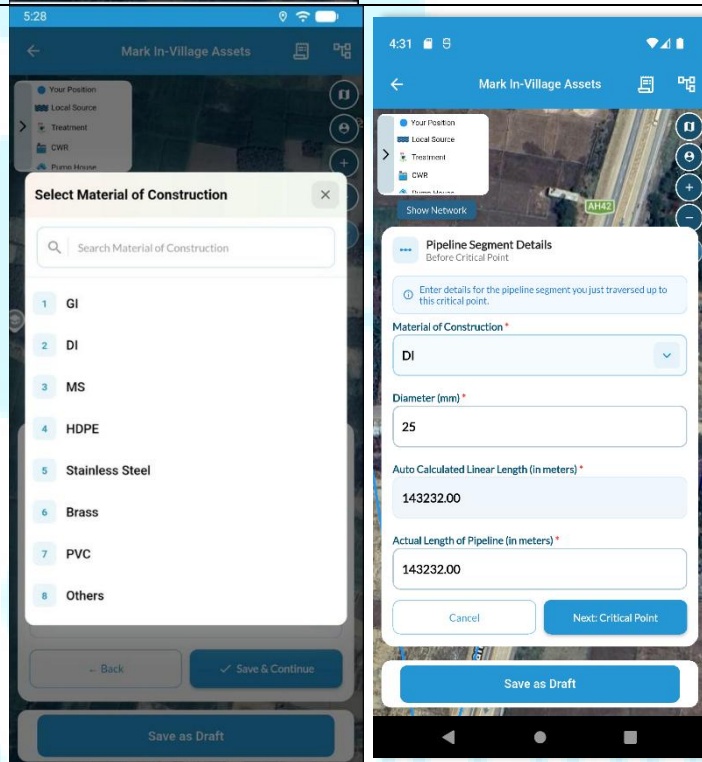
Pipeline and critical point details need to be added on the Mobile App interface.

- After clicking on the 'Add Critical Point' the user can select the 'Type of Critical Point' that they want to add on the pipeline segment as per the on-ground situation.
- Further detailed attributes of the Critical Points can also be added in the Mobile App interface.

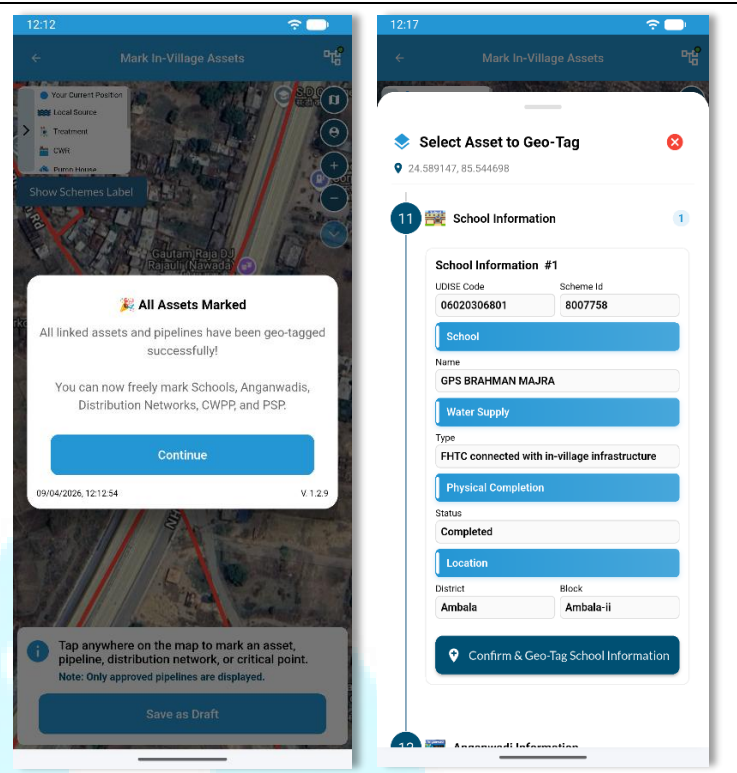
Note: All IoT/SCADA sensor points will be geotagged at critical locations and mapped accordingly, hence can be entered under the 'Others' head of the 'Type of Critical Point'.



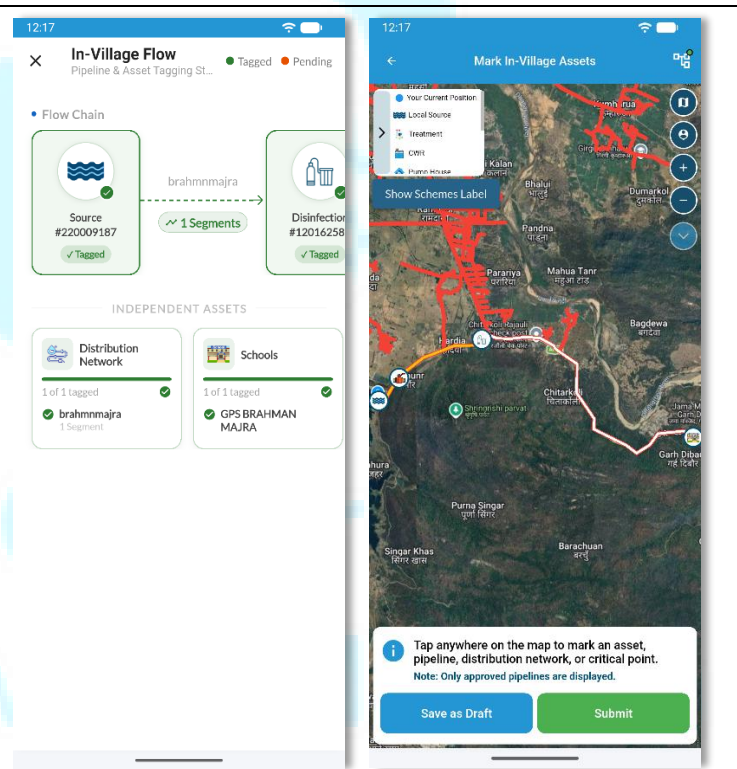
- After adding the Critical Points on the Pipeline segments, the system will reflect the user to input the details of 'Material of Construction', 'Diameter' of pipeline upto the critical point, etc.
- The length of the Pipeline will be Auto Calculated and reflected to the user. The user will also have the option to enter/edit the Actual Length of Pipeline if as per field assessment, they feel that the Auto Calculated Pipeline length is not appropriate.



- Post mapping of all the assets and pipelines with their critical points in sequential flow, the users will be informed that they have geotagged all the assets as shown in the hydraulic flow diagram and they can proceed to review and geo-tag the service touch points like schools, AWCs, CWPPs, PSPs etc.

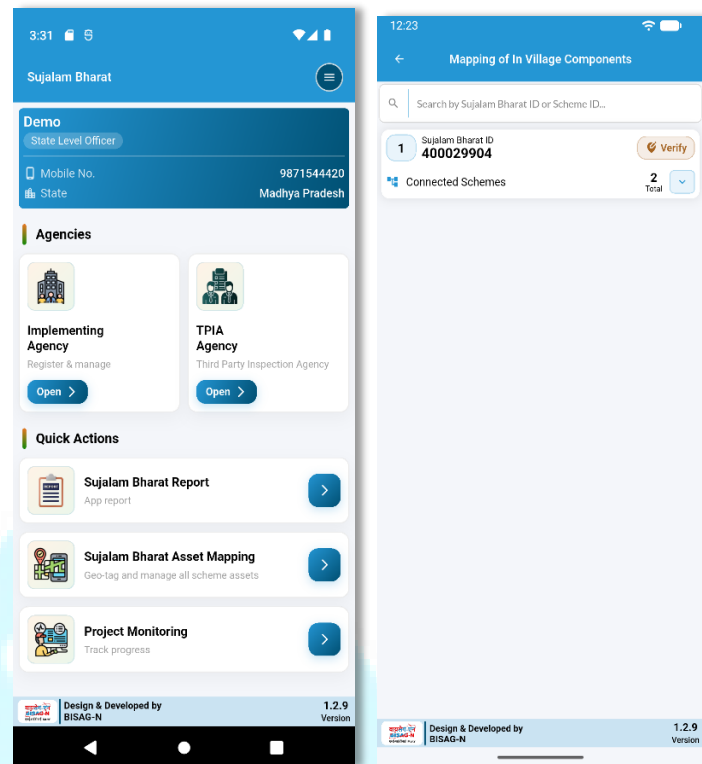


- Users can review their geotagging progress and go for 'Submit' once they have completed all the assets for the allocated schemes.
- The DIA user can also pause the geotagging if they have not completed it and can 'Save as Draft' to continue the geotagging process from where they left off with their progress being saved on the App interface.
- After the 'Submit' button is clicked by the DIA user it goes to the State/District Level User to carry out the review and approval/rejection of the geotagging as done by DIA.

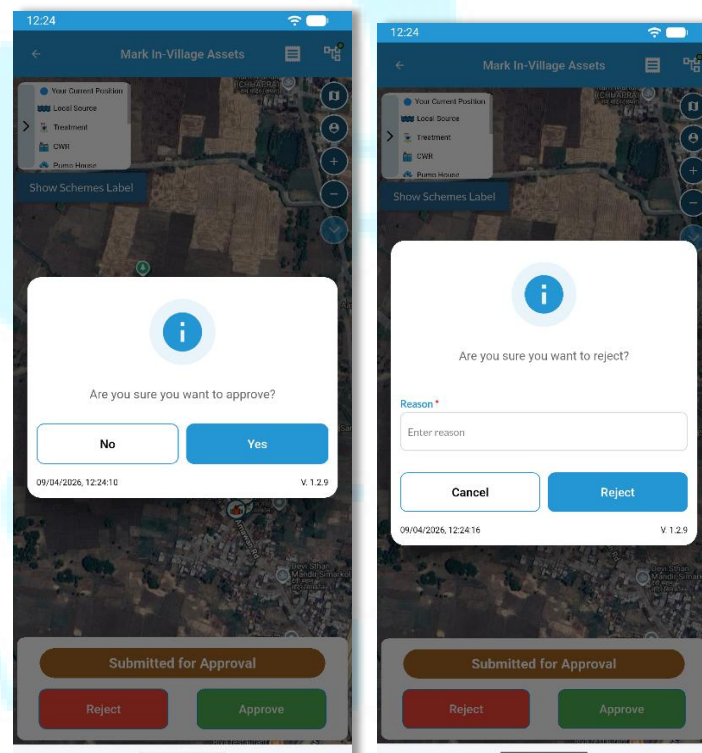


The State/District Level User post the login has the mobile dashboard view as shown in the image.

- To review the Geotagging process, they need to click on the 'Sujalam Bharat Asset Mapping' tab where they would get the list of Sujalam Bharat IDs linked to its assets to verify the geospatial mapping process as done by the DIAs.
- The State/District Level User can login and review the geotagging of assets done on geospatial/satellite imagery.



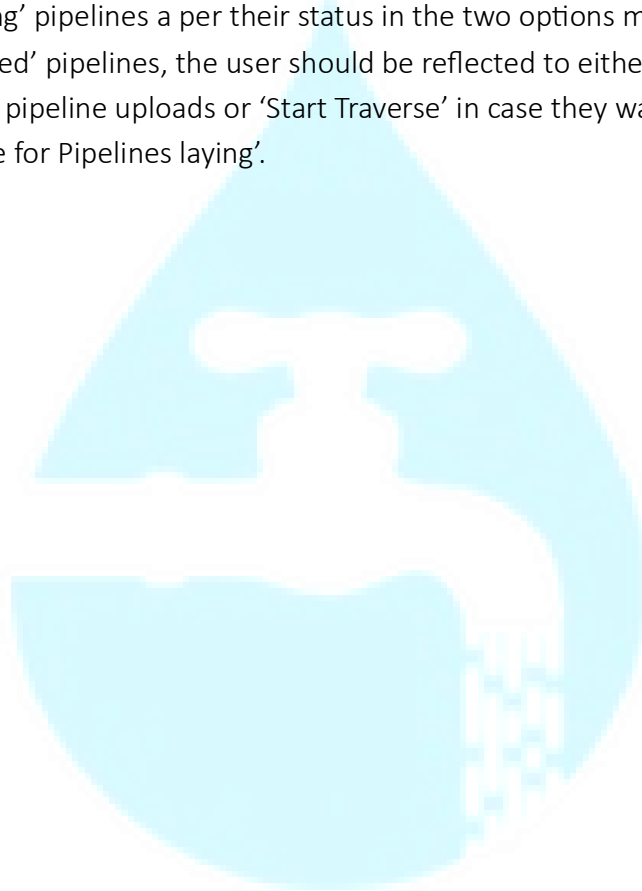
- After reviewing the geotagging of assets done by the DIAs, they can reject/approve the submission.
- In case of 'rejection' they need to provide the reason for the same.
- This will end the verification process, and the DIA would be informed about the issues that need to be rectified.
- Post the approval/rejection, the status for all geotagging of assets for the Sujalam Bharat ID would reflect as 'Verified' on the user interface.



ADDITIONAL POINTS:

For the aspect shared: Traverse option shall be applicable for all pipeline status categories, i.e., Completed, Ongoing, and Not Started.

- For 'Ongoing' pipelines status, two further options to be provided to the user before the 'Start Traverse' option namely, 'Laying of Pipelines completed' and 'Proposed Site for Pipeline laying'. Here, critical point can be a differentiator. The user has to map these 'Ongoing' pipelines a per their status in the two options mentioned above.
- For 'Not Started' pipelines, the user should be reflected to either accept the PMGatiShakti pipeline uploads or 'Start Traverse' in case they want to map the 'Proposed site for Pipelines laying'.



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Project Monitoring Module (PMM)

User Manual

The Project Monitoring Module (PMM) is an added functionality within the Sujalam Bharat App for monitoring the physical progress of Jal Jeevan Mission (JJM) assets. The module captures asset-wise and stage-wise progress, routes each entry for verification, and maintains a digital record for review by all concerned users.

The module follows a role-based workflow:

- Implementing Agency (Maker) updates physical progress of the asset/stage.
- Third Party Inspection Agency (TPIA) records checklist-based verification response, evidence and observations.
- PHED Engineer records the departmental remark and takes the final action on the progress entry.
- State / District Level Officers monitor progress, history, remarks and checklist details through dashboard and filter views.

The mobile interface developed by BISAG-N is used by the Implementing Agency, while the desktop interface developed by NIC is used by TPIA and departmental engineers. Asset IDs and asset details are fetched from the RPWSS module.

This module is intended to make monitoring transparent, structured and reviewable. Every stage entry, observation and departmental remark is digitally recorded for future reference.

1. Key Concept

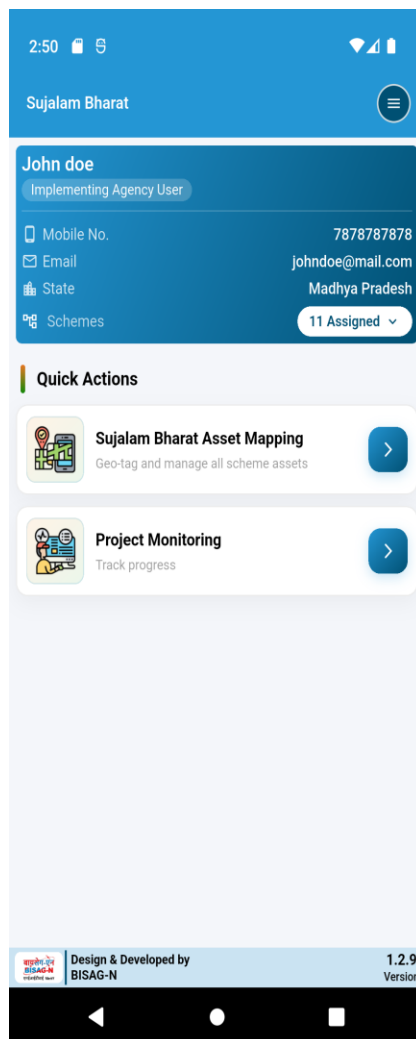
- Asset IDs / asset details are fetched from the RPWSS module; users do not create new assets in PMM.
- Each asset has predefined stages of completion depending on the asset type.
- For physical-progress stages, completion is captured in the following ranges: 0%, 1-25%, 26-50%, 51-75%, 76-99%, 100%.
- For certain functional checks, status is captured as Yet to start / Ongoing / Completed.

2. Implementing Agency User

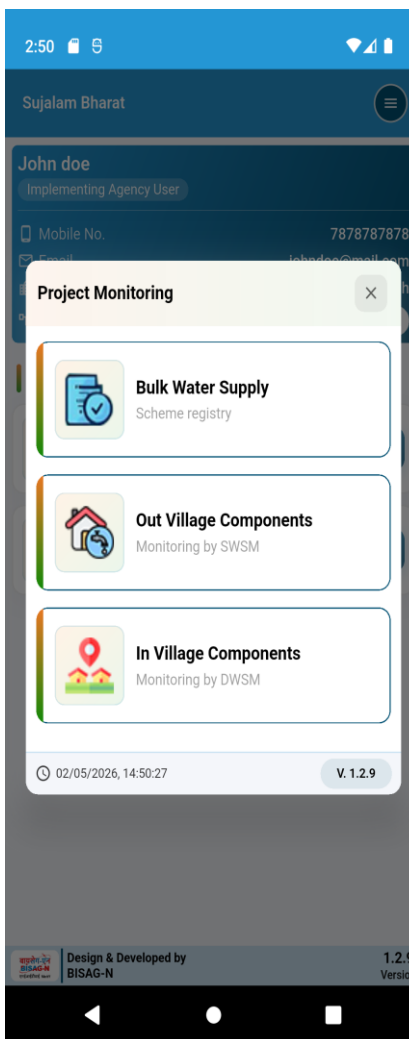
The Implementing Agency is the Maker in the PMM workflow. This user records the field progress of each asset against the relevant stage of completion.

2.1 Accessing the module

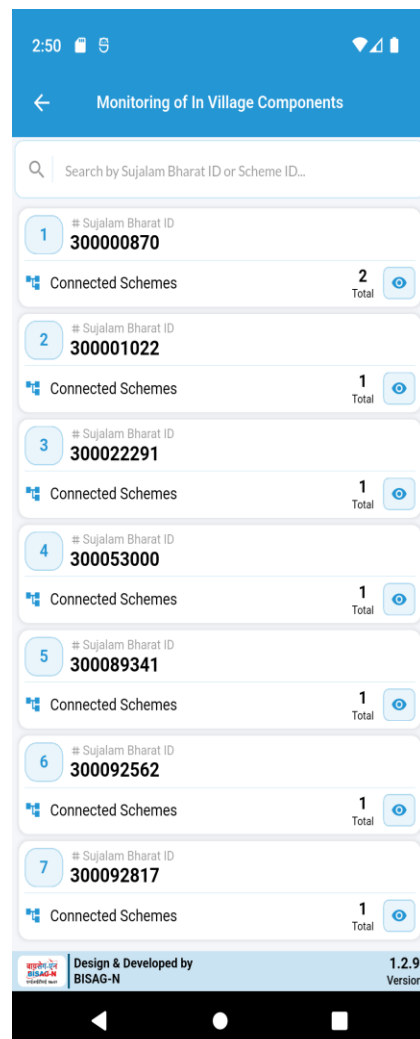
After login, the user opens the Project Monitoring menu, selects the Asset Monitoring Category, and views the list of available Sujalam Bharat IDs. The user then selects the relevant Sujalam Bharat ID to proceed.



Dashboard

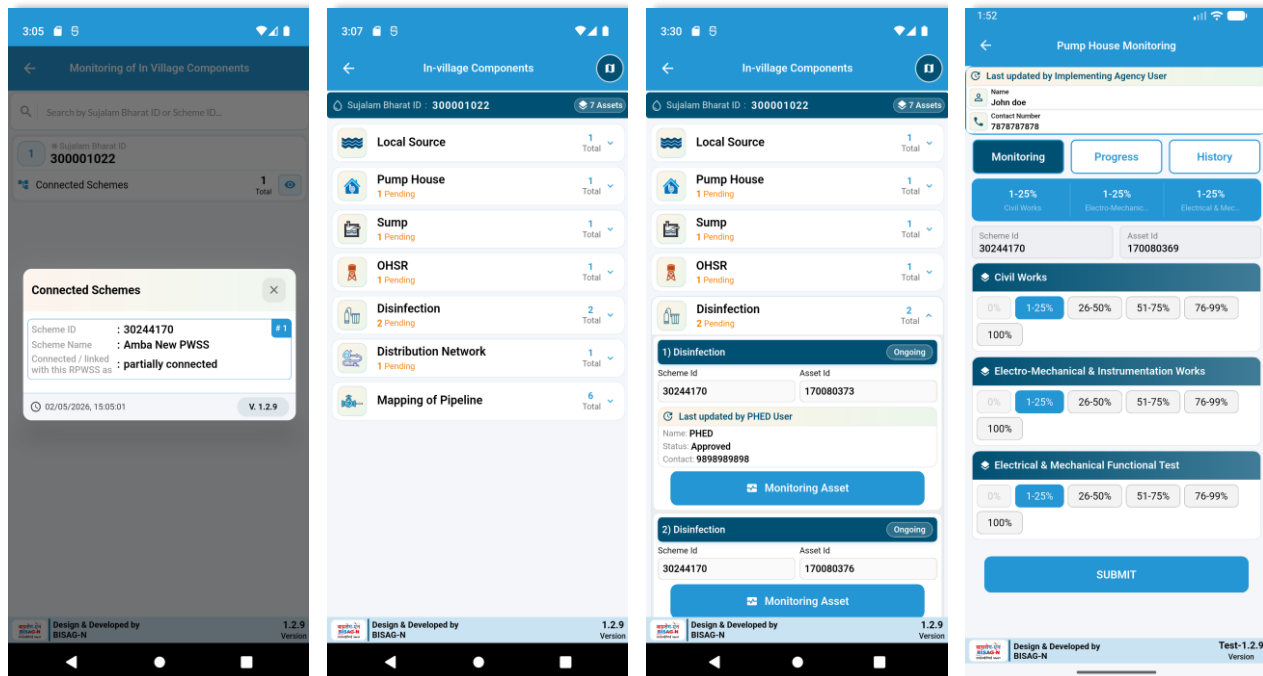


Asset Monitoring Category



List of Sujalam Bharat ID

The next screens show connected schemes and the list of assets for the selected Sujalam Bharat ID. The user should carefully choose the correct asset before entering progress.



Connected Schemes

Assets for Selected Sujalam Bharat ID

Monitoring

2.2 Updating progress

- Select the new asset to be updated.
- Select the relevant stage of completion for that asset.
- Record the physical completion in the prescribed range: 0%, 1-25%, 26-50%, 51-75%, 76-99% or 100%.
- For functional checks configured in the system, record the status as Yet to start / Ongoing / Completed, as applicable.
- Submit the entry so that it moves to TPIA for verification.

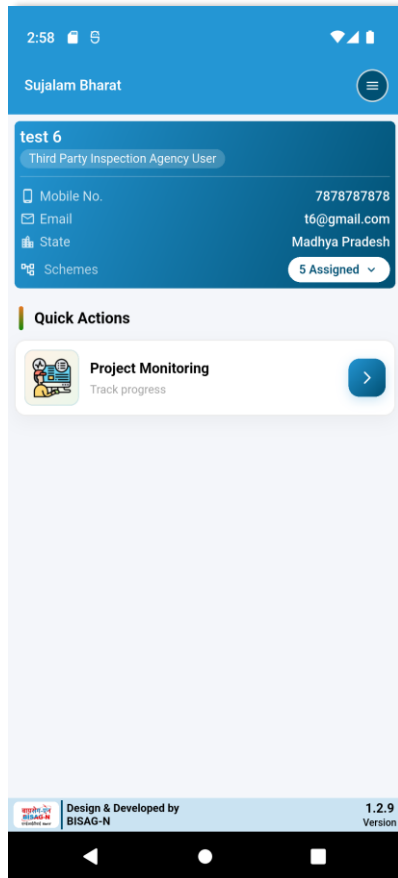
Users should update progress at least once a month. Additional updates can be made whenever progress advances. Only actual field progress should be entered; users should ensure that the selected stage and the evidence uploaded correspond to the same asset and the same stage.

3. Third Party Inspection Agency (TPIA) User

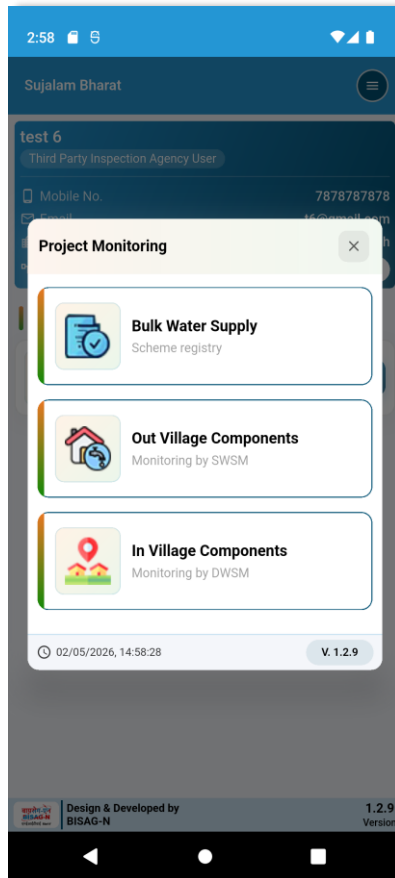
The TPIA user verifies entries submitted by the Implementing Agency. Verification is done through the TPIA Checklist mapped to the stage of completion.

3.1 Accessing the verification queue

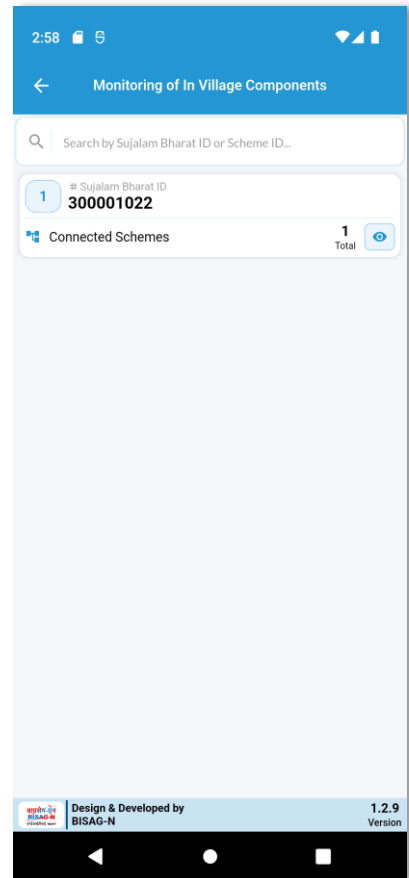
After login, the TPIA user opens the Project Monitoring module, selects the Asset Monitoring Category, chooses the Sujalam Bharat ID from the list, and opens the asset that requires verification.



Dashboard

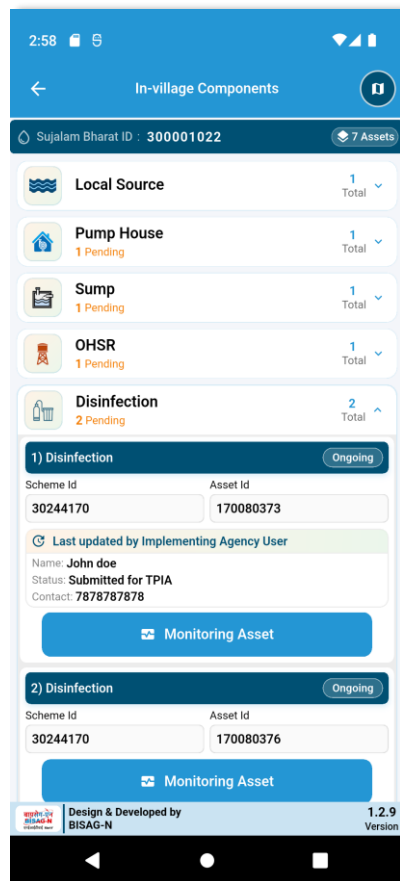


Asset Monitoring Category

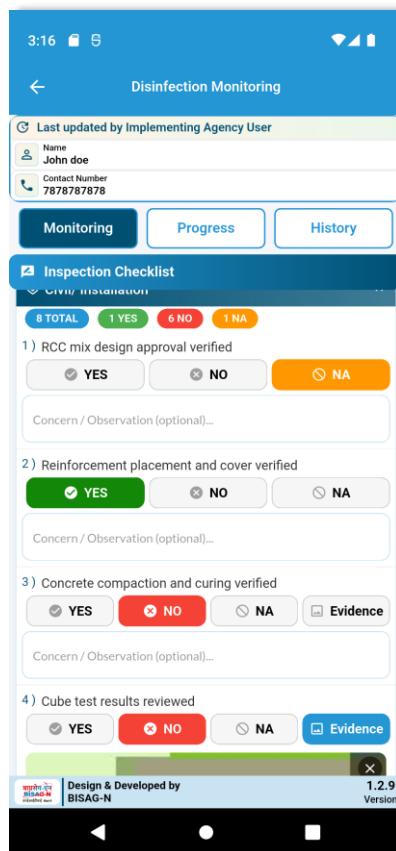


List of Sujalam Bharat ID

The TPIA then views the assets for the selected Sujalam Bharat ID and opens the monitoring entry along with the evidence uploaded by the Implementing Agency.



Assets for Selected Sujalam Bharat ID



Monitoring with evidence



3.2 Completing the TPIA Checklist

For each checklist question, the response field is configured as: Yes / No / Not Applicable. The “Not Applicable” option should be used only where the checklist point genuinely does not apply to the asset/stage under review. The TPIA should:

- Review the contractor’s uploaded evidence and the field situation.
- For each checklist question, select one response: Yes / No / Not Applicable.
- Record evidence (file/photo) wherever required by the screen.
- Enter the Concern / Observation of TPIA clearly and specifically.
- Complete the checklist carefully for the stage under review and submit it for PHED action.

Where an adverse observation is recorded, the TPIA should make the observation specific, factual and linked to the relevant checklist item. Users should avoid vague comments such as “not okay” and instead describe the issue briefly but clearly.

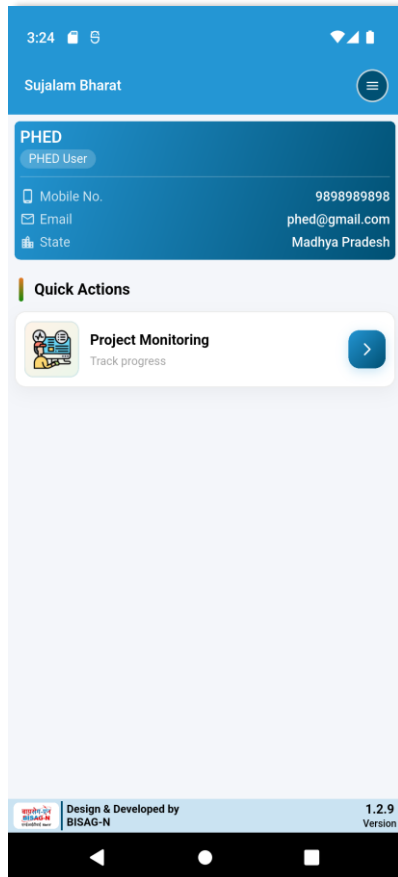
The TPIA user provides the verification response, evidence and observations. The departmental remark is then recorded by PHED. TPIA users should therefore ensure that the checklist is complete, accurate and supported by proper evidence wherever needed.

4. PHED User

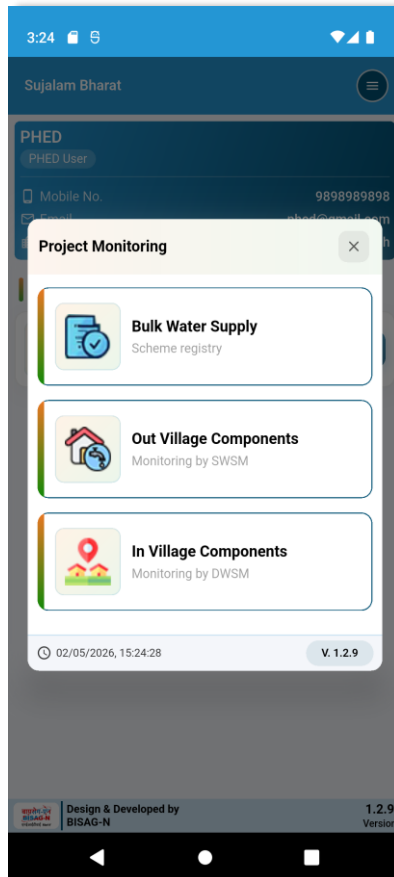
The PHED user reviews the Implementing Agency's update together with the TPIA checklist, evidence and observations, and records the departmental remark.

4.1 Accessing the PHED review screen

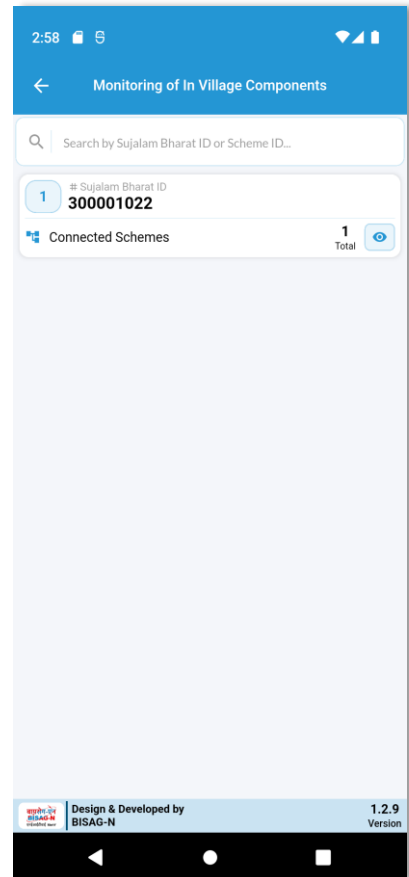
After login, the PHED user opens the Project Monitoring module, selects the Asset Monitoring Category and the Sujalam Bharat ID, and then opens the asset/entry requiring departmental review.



PHED Dashboard

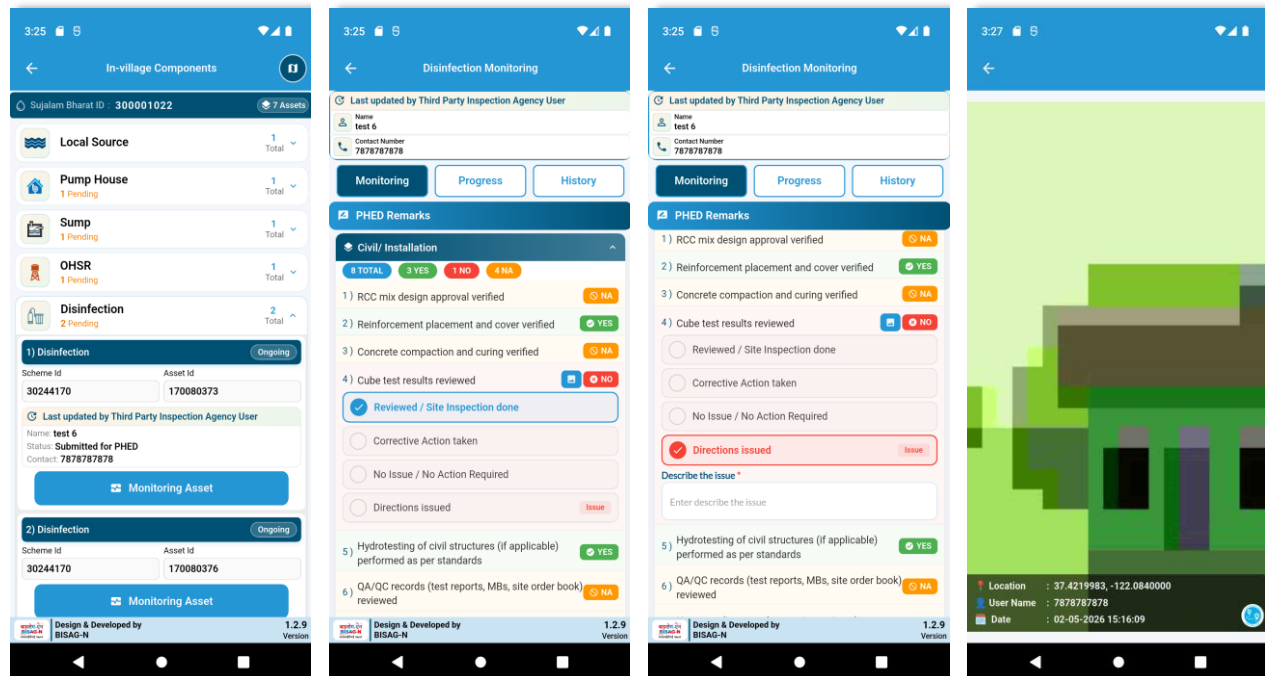


Asset Monitoring Category



List of Sujalam Bharat ID

The PHED user then opens the monitoring entry and reviews the asset-wise details, evidence and the TPIA checklist response before recording the PHED remark.



Assets for the Selected
Sujalam Bharat ID

Monitoring

4.2 Recording the PHED Remark

The PHED Remark field (not for NA) has:

- No Issue / No Action Required
- Issue Observed / Action Required
- If “Issue Observed / Action Required” is selected, the following action points are available:
 - Reviewed / Site Inspection done;
 - Directions issued;
 - Corrective Action taken.

The PHED user should first examine the TPIA response, evidence and observation. If the departmental view is that no further action is needed on that checklist point, “No Issue / No Action Required” may be recorded. If the issue requires follow-up, “Issue Observed / Action Required” should be chosen and the relevant action point(s) should be marked.

Where the TPIA response is “Not Applicable”, PHED remarking on that checklist item is not required. The PHED user should:

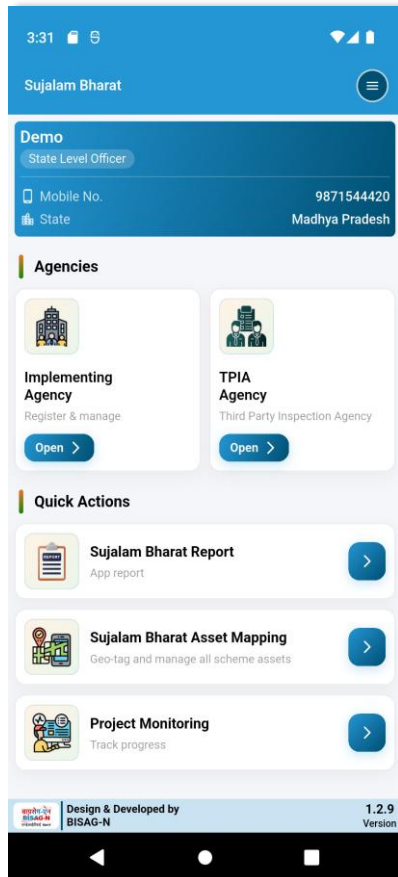
- Review both the checklist response and the uploaded evidence before recording the PHED remark.
- Use “Issue Observed / Action Required” only where the departmental view is that action is actually required.
- Where action has been taken, select the relevant sub-action(s) accurately.

5. State / District Level Officer

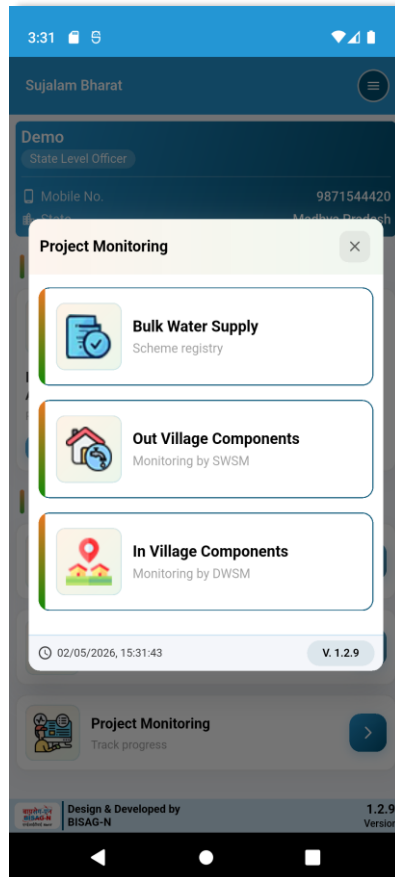
State and District level users monitor the progress of schemes and assets through dashboard, progress, history, filter and remarks views.

5.1 Accessing dashboards and progress views

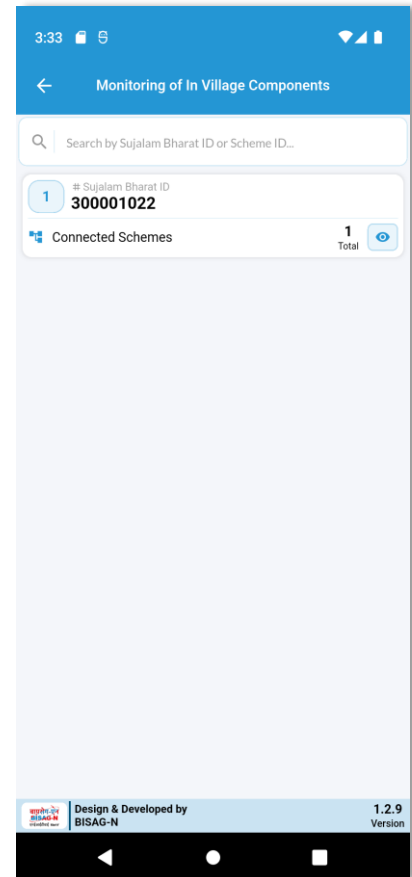
After login, the State / District user opens the Project Monitoring module, selects the Asset Monitoring Category and the required Sujalam Bharat ID or other applicable filter, and then opens the progress-related views.



District Dashboard

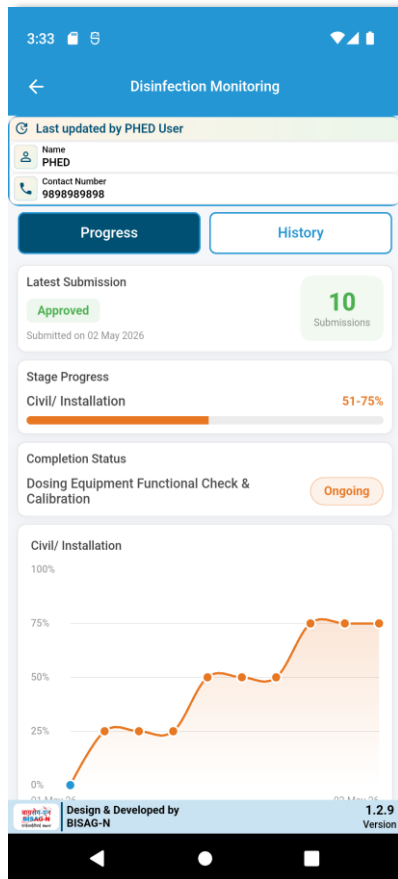


Asset Monitoring Category



List of Sujalam Bharat ID

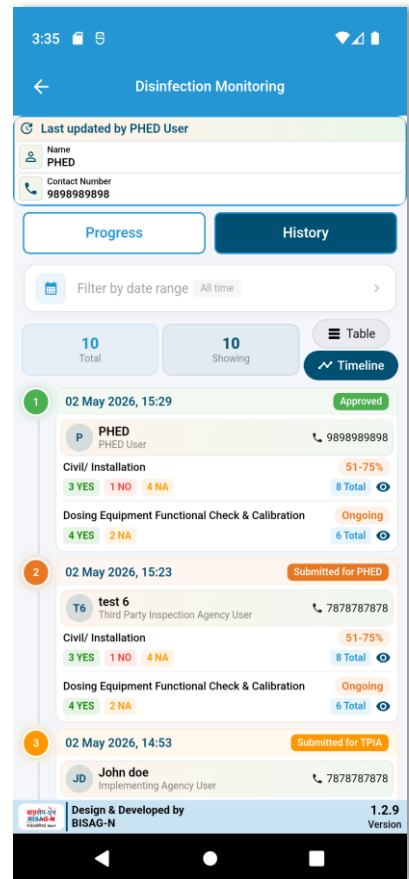
The progress screens provide a consolidated view of asset-wise progress and allow officers to understand how a scheme is moving stage by stage.



Progress

Submitted On	Submitted Status	Civil/ Installation	Dosing Function
02 May 26 15:29	Approved	51-75%	
02 May 26 15:23	Submitted for PHED	51-75%	
02 May 26 14:53	Submitted for TPIA	51-75%	
01 May 26 17:55	Approved	26-50%	
01 May 26 17:53	Submitted for PHED	26-50%	
01 May 26 17:42	Submitted for TPIA	26-50%	

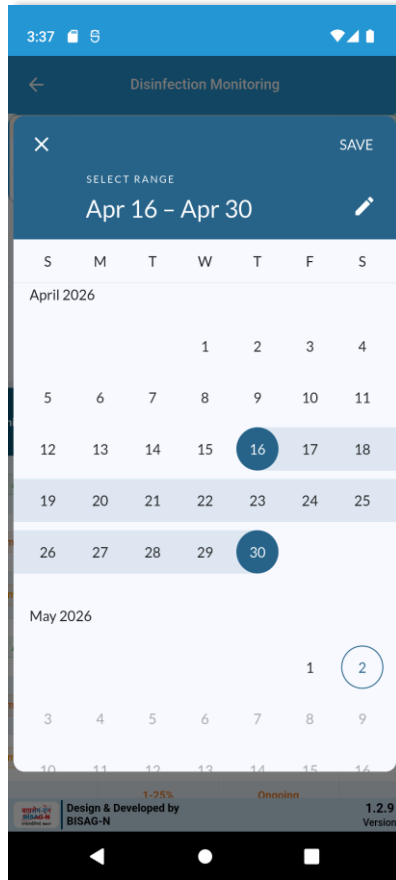
History Table



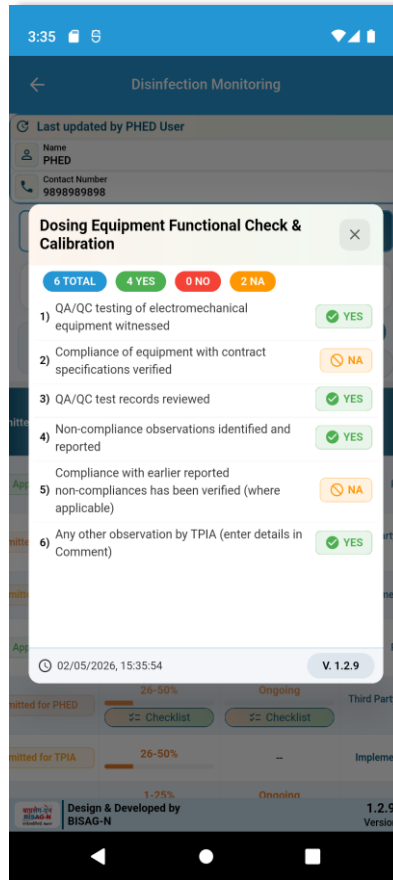
History Timeline

5.2 Using filters, PHED remarks and TPIA checklist views

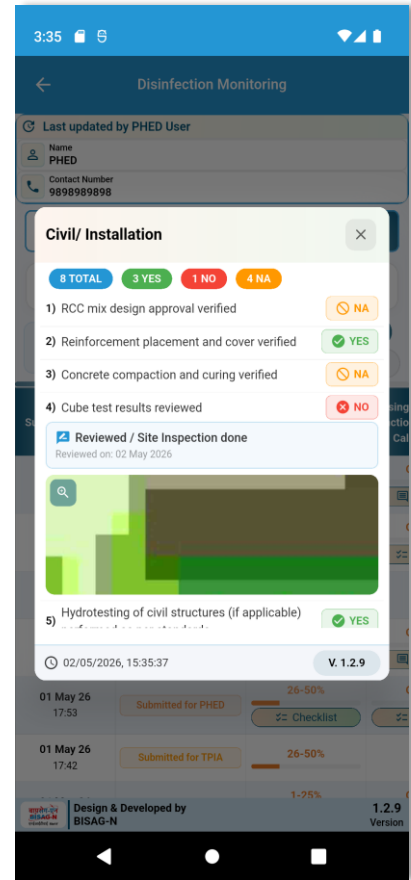
The State / District screens also provide date filter, PHED remarks and TPIA checklist views. These are useful for reviewing the chronology of actions, understanding observations at each stage and checking how the department responded to the verification points.



Date Filter



TPIA Checklist



PHED Remarks

State / District users should use these screens to review whether entries are moving regularly, whether observations are being addressed, and whether the history of actions is complete and internally consistent.