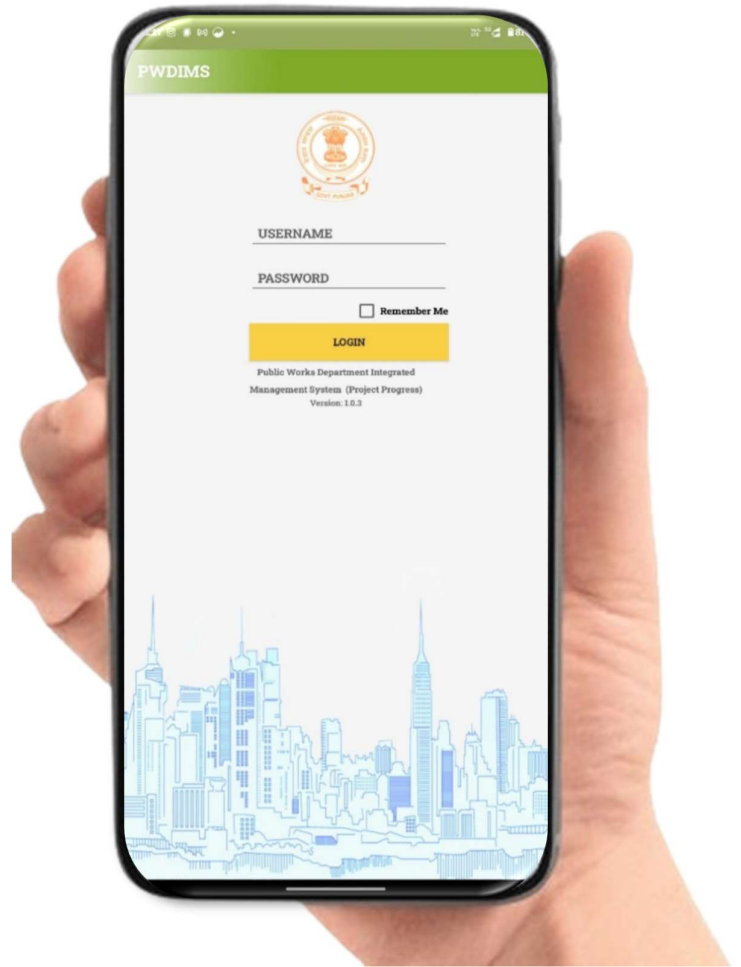**User Manual**

Mobile Application | PWDIMS

Punjab Road & Bridges Development Board (PRBDB)

Application Release History

Version History

Date	Author	Version	Change reference
15-06-2019	PWIMS Team	1.0.0	
	PWIMS Team	1.0.1	
19-07-2019	PWIMS Team	1.0.2	Suggested modification given by Dy. Director (IT)
10-12-2024	PWIMS Team	1.0.3	Suggested modification given by Dy. Director (IT)

Client Review

Mobile Application name	Version approved	Position	Date
PWDIMS	1.0.0	Dy. Director (IT), PRBDB	15-06-2019
PWDIMS	1.0.1		
PWDIMS	1.0.2	Dy. Director (IT), PRBDB	19-07-2019
PWDIMS	1.0.3	Dy. Director (IT), PRBDB	10-12-2024

Contents

1. Definitions, Acronyms, and Abbreviations

Abbreviation	Explanation
PWDIMS	Public Works Department Integrated Management System
PP	Project Progress
RE	Record Entry
MB	Measurement Book
JE	Junior Engineer
SDO	Sub Divisional Officer
EE	Executive Engineer

2. About Mobile Application

2.1 Introduction

PWDIMS is a integrated mobile app with PWDIMS Application specifically designed to provide a comprehensive control over activities involved in project execution. The application is thoughtfully developed to address critical requirements of the field offices thereby, ensuring seamless operational efficacy. It empowers the departmental users by enabling them to manage and monitor project-related tasks and processes directly through their mobile devices, enhancing efficiency and convenience in the field locations.

2.2 Purpose

The development of the mobile app has been done with an aim to enable real-time monitoring of project progress and streamline the record entry measurements. As per the requirement of the department a robust mobile application has been integrated with the **PWDIMS** web platform. This innovative solution has been designed to empower field staff and senior officials by simplifying and enhancing Record Entry management processes.

The primary goal of this solution is to enable field personnel to efficiently capture and upload execution measurements using the Record Entry feature directly from project sites. By leveraging this real-time functionality, higher officials can seamlessly track project progress without relying on laptops or desktop systems, offering greater flexibility and accessibility, anytime and anywhere.

Through the use of the mobile application, field staff, such as JE/ AE/SDE, can visit project sites, perform detailed record entries, and submit them digitally for review and approval by their Seniors. This streamlined process not only reduces paperwork and manual errors but also accelerates decision-making and ensures timely updates, contributing to improved Project Management and execution efficiency.

2.3 Key Features

- Real-time data synchronization with the PWDIMS web application.
- Record entry creation at Field Sites.
- Review and Comment submission on measurements.
- Approval of record entries.
- Option to upload or capture site pictures along with locational coordinates.
- Synchronization of site pictures with web Application and vice versa.
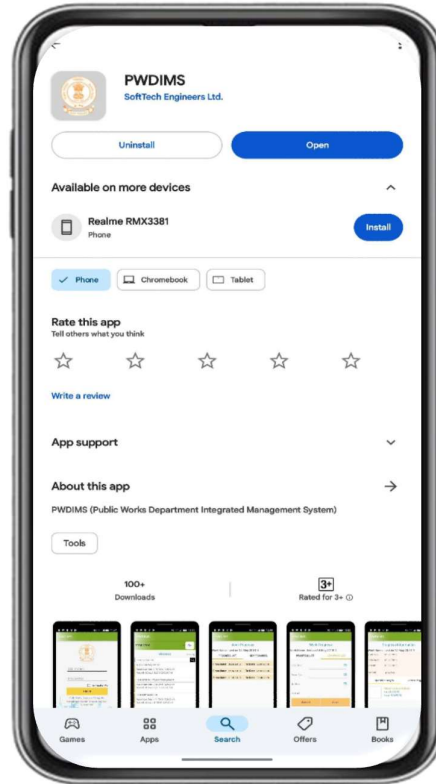
3. Installation Guide

For Android Users:

- Open the Google Play Store.
- Search for "PWDIMS".
- Click "Install" and wait for the app to download.
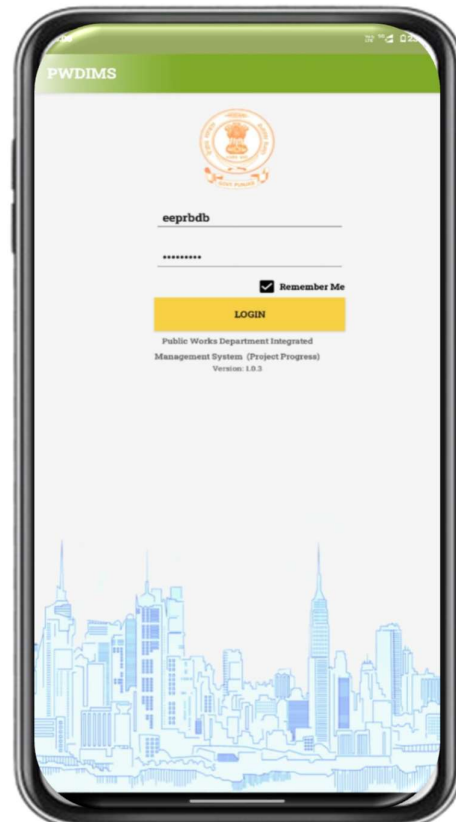- Once installed, tap "Open" to launch the app.

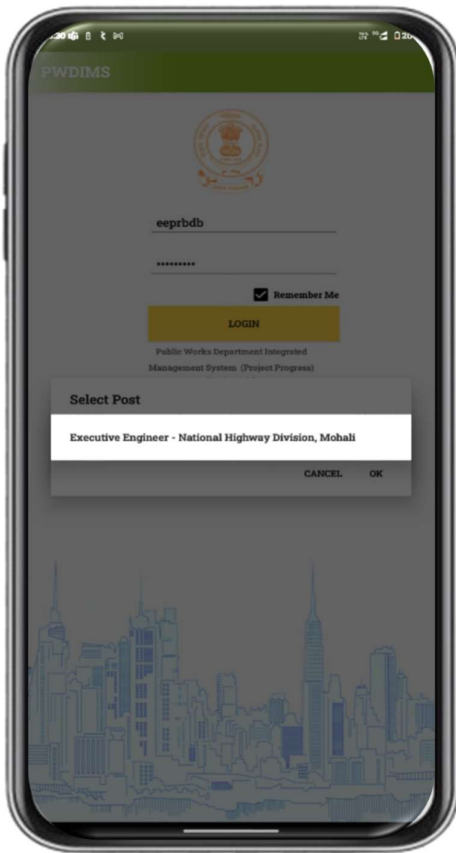Alternatively, user can download the app using the link placed below:

https://play.google.com/store /apps/details?id=com.softtec hengr.autodcrofficial_pwdims

4. Logging into Application

I. Enter the "Username or Login name & password already issued (same as is being used for the PWDIMS Application) and click on "Login" button.
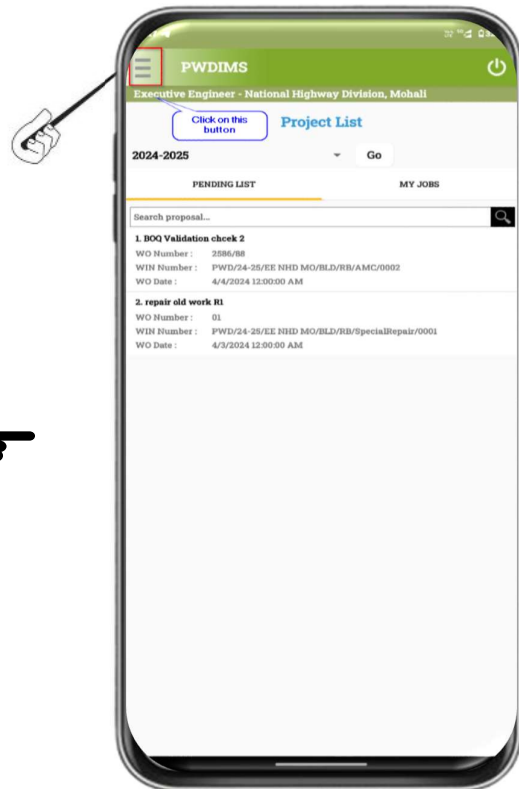
II.   After login, select the post (if the user has been enabled with additional charges) under which user has to carry out the work / record entries and then click on "OK" button.

5. Record Entry

I.   Click on the "Hamburger Menu" i.e. three stacked horizontal lines menu present on the top left corner of the screen.

II. Select the "M.B Book" option there.

5.1   Create MB

III. Select the "Year" and press the "Go" button and after that open the work for which the "Record Entry" is to be performed.
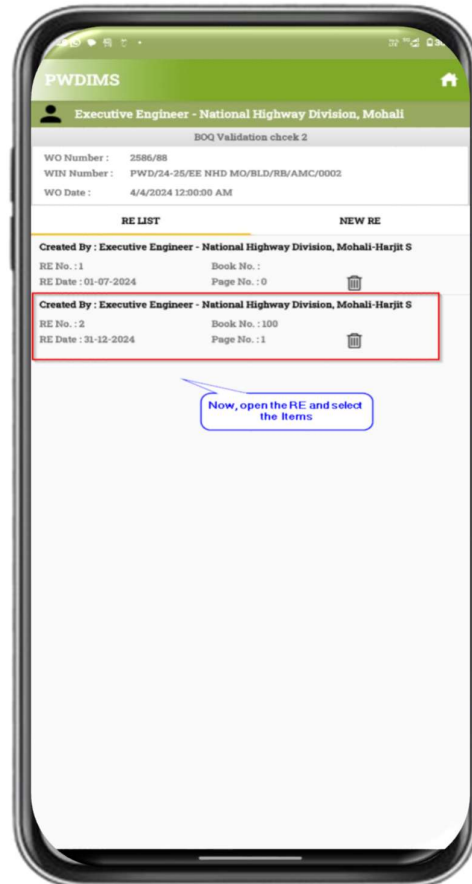
IV. Click on the "NEW RE" Tab and enter the required details there. Like RE date etc.

5.2 RE Measurement

VI.   A new RE will be created and displayed under "RE LIST" tab.
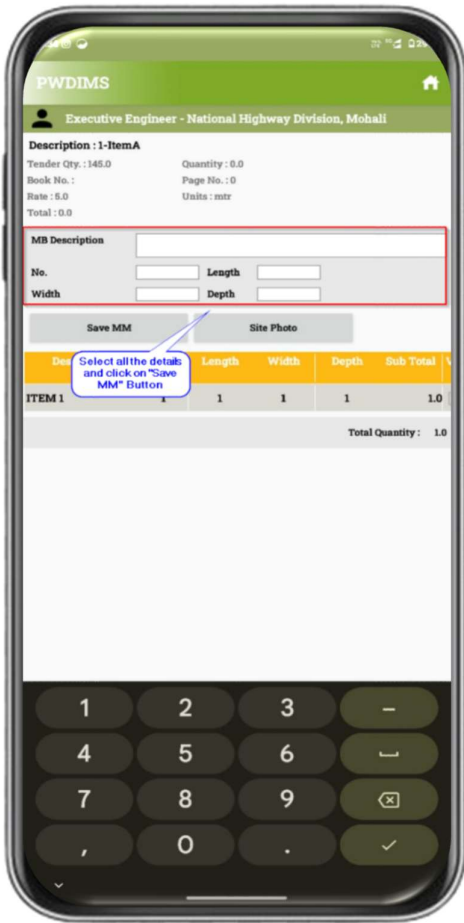
5.2.1 Get BOQ items into RE

VII. Select the items after clicking on "ADD BOQ ITEMS" Tab and then click Ok button placed at the bottom of the page.

Note: Once the items are selected, these will be displayed under "RE ITEMS" Tab.

VIII. Select the items by clicking on the arrow sign placed against each item and fill the measurement details.
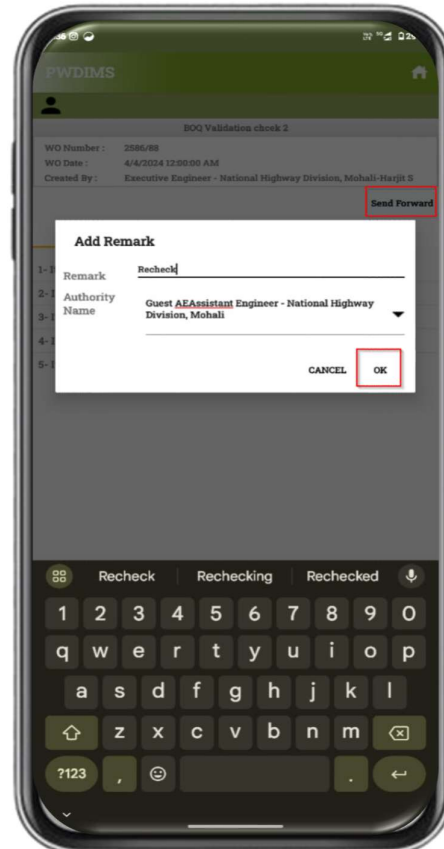
5.2.2 Put Measurement

IX. Fill the measurement details and click on "Save MM" button placed bottom of the screen.

5.2.3. Forward RE for review to SDE

X.   Select the RE record for forwarding.

XI.   Now, click on "Send Forward" button, add "Remarks" and select the "Authority" and then press "OK" button.

5.3   MB Review – SDO Level

Note: To access the record entries the SDO also has to follow the same steps as we have seen in the above screens and will have to perform the below given steps

I.   The SDO will login into the Application
II.   Select the MB option by clicking on three horizontal lines placed on the top left corner of the screen.
III.   Select the project and then the respective RE which is sent by the Junior Engineer for verification.
IV.   After checking the record entry, if all entries are considered okay then RE is to be sent to EE for Approval,
V.   If there is any observation noticed by SDE in the RE, then it will be sent back for correction, the option of forward and send back is provided above the RE list.

5.4 MB Approval- EE Level

Now the RE is available in the EE account and will have to be reviewed and Approved. To access the record entries EE again has to follow the same steps as mentioned in the above screens and will have to perform the below given steps.

I.   EE will login into the Application.

II.   Select the MB option by clicking on three horizontal lines placed to left top corner.

III. Select the project/work and then the respective RE which is sent by the SDO for Approval.

IV.   If there is any observation noticed by EE in the RE, then it will be sent back for correction, the option for send back is provided above the RE list.

V.   After checking the RE (Record Entry), if everything seems okay and the measurements are correct then the EE will Click on the "APPROVE" button.

6. Troubleshooting

6.1   Common Issues and Solutions

Issue	Solution
Unable to log in	Check your credentials on PWDIMS Web Application.
	Reset your password using Forgot Password option on PWDIMS Web application
	If credentials have not been created, please contact the helpdesk – PWDIMS on 0172-5134663 and 5134669
App crashes on startup	Update the app to the latest version.

7. Contact Support

- Email: ddit.prbdb@punjab.gov.in
- Phone: 0172-5134663
- Raise ticket on Helpdesk by typing the URL / Web address in your internet browser: http://202.164.54.246:8081/User/Login

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