
	Quality System Template CSM Technologies	Document #: CSM/QT/01/01	Rev.: 1.0 Page #:1 of 18
	Industrial Waste Management and Monitoring System (IWMMS)		

User Manual for Mobile App

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REVISION HISTORY

Version	Description	Author	Date
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	Quality System Template CSM Technologies	Document #: CSM/QT/01/01	Rev.: 1.0 Page #:2 of 18
	Industrial Waste Management and Monitoring System (IWMMS)		

User Manual
for
Mobile App


	<p align="center">Quality System Template</p> <p align="center">CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:3 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		

Table of Contents

1 Introduction..... 4

 1.1 Purpose..... 4


2 Getting Started 4

 2.1 Landing Screen 4

3 Loader User Dashboard 8

4 Driver Dashboard12

5 Logout16

	Quality System Template CSM Technologies	Document #: CSM/QT/01/01	Rev.: 1.0 Page #: 4 of 18
	Industrial Waste Management and Monitoring System (IWMMS)		

1 INTRODUCTION

An Industrial waste management is a critical aspect of modern industry, as it plays a crucial role in minimizing the environmental impact of manufacturing processes. The Industrial Waste Management and Monitoring System (IWMMS) mobile application is designed to manage, monitor, and optimize the disposal, recycling, and treatment of waste generated by industrial activities. This is a comprehensive framework designed to handle and track waste produced by industrial processes. This system ensures that waste is handled in a way that complies with environmental regulations, minimizes harm to ecosystems, and promotes sustainable practices. The primary purpose of such a system is to ensure that waste is managed efficiently, in compliance with environmental regulations, and in a sustainable manner, thereby minimising negative impacts on the environment and public health.

1.1 PURPOSE


This document helps the authorized mobile app user i.e. Loader, Driver, Reuser and Coal Mine Backfilling user to manage the trip requested from the industry/unit user. The document tries to leave no room for errors or misunderstandings while operation of the IWMMS mobile application at the user end.

2 GETTING STARTED

To get started with the IWMMS mobile app, download the app either from Google Play Store or iStore.

2.1 LANDING SCREEN

On successful installation, click on the application and get navigated to the Landing Screen of the application.

	<p align="center">Quality System Template CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:5 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		

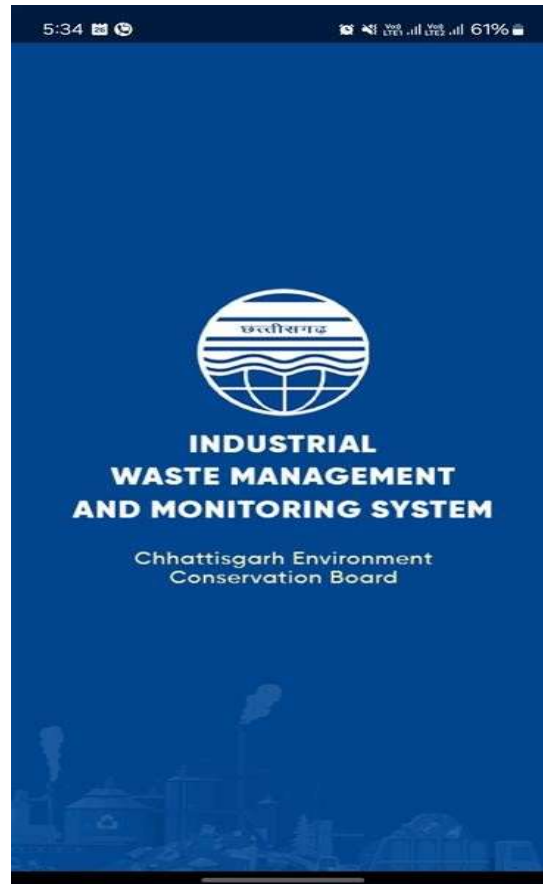



Figure 2-1 Landing Screen

- Tap to screen and navigate to the **Choose User Type** slide screen.

	<p align="center">Quality System Template CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:6 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		

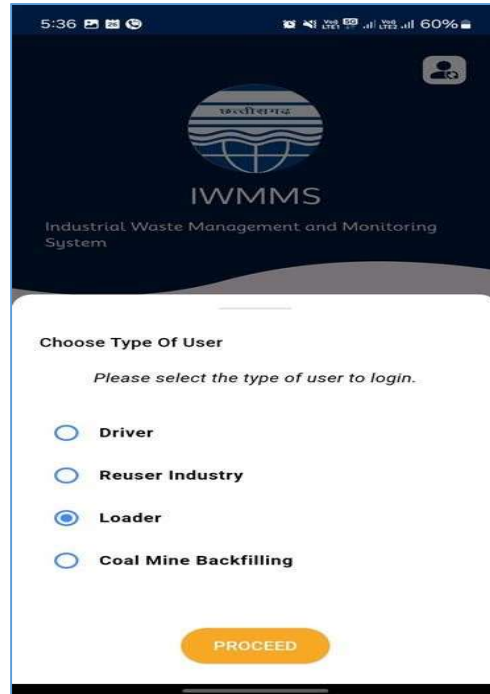


Figure 2-2 Choose Type of User

- From the list of user type displayed - Driver, Reuser Industry, Loader, Coal Mine Backfilling, select the user type.
- On selection of the User Type, navigate to the login screen.



	<p align="center">Quality System Template CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:7 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		



Figure 2-3 Login Screen

- Enter the registrial mobile number, and click on **Login** button.
- A one-time password is received to the registered mobile number.

	<p align="center">Quality System Template CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:8 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		

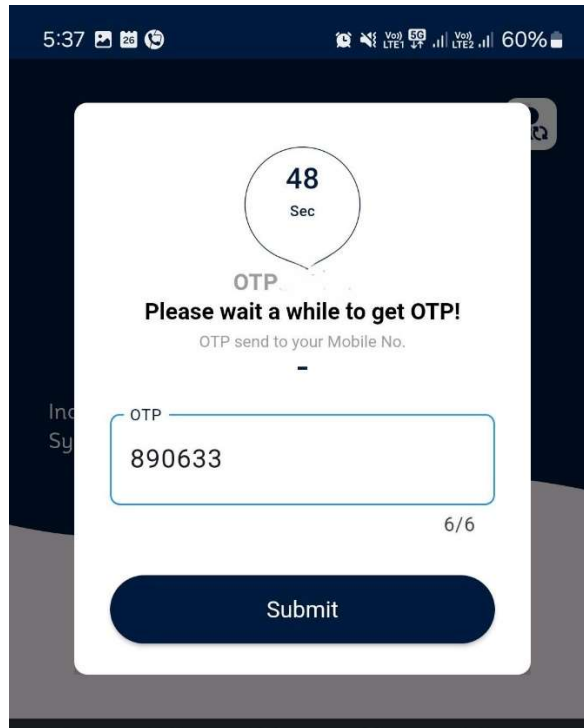



Figure 2-4 OTP Screen

- Enter the OTP received and click on submit button.

3 LOADER USER DASHBOARD

With the successful login, the loader user is navigated to the dashboard section.

	Quality System Template CSM Technologies	Document #: CSM/QT/01/01	Rev.: 1.0 Page #: 9 of 18
	Industrial Waste Management and Monitoring System (IWMMS)		

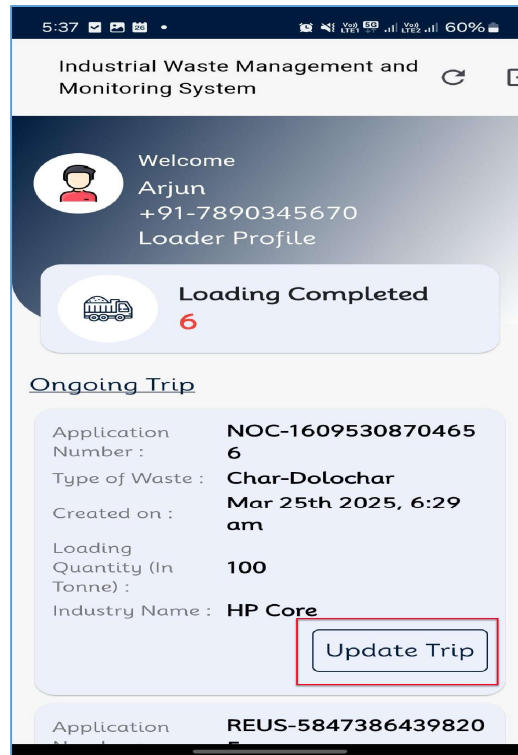




Figure 3-1 Loader User Dashboard

- The dashboard shows the Profile details, with total count of the loading completed and list of the NOC, Reuser and Coal Mine Backfiling Application Request, pending for updating the trip details.
- The Application details features the application number, type of waste, date of creation, loading quantity and industry name.
- To refresh the data displayed, click on the **Refresh** () Icon.
- Now, in order to update the trip information for NOC, Reuser and Coal Mine Backfiling Application Request, click on the **Update Trip** button.

	<p align="center">Quality System Template CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:10 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		

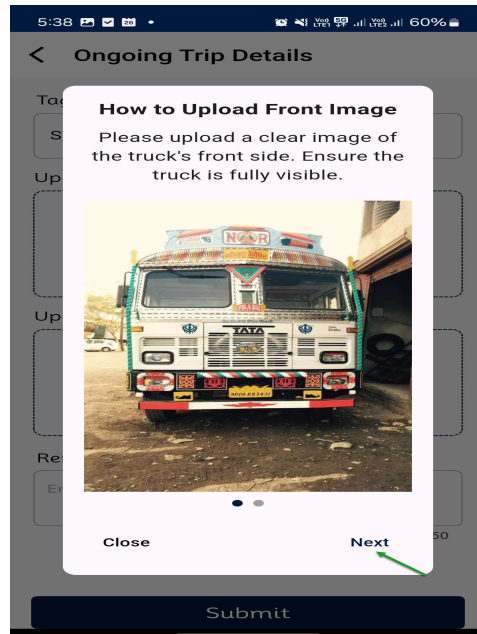



Figure 3-2 How to Upload Front Image Screen

- Instruction to upload the image of the truck appears on the display screen.

	<p align="center">Quality System Template CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:11 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		

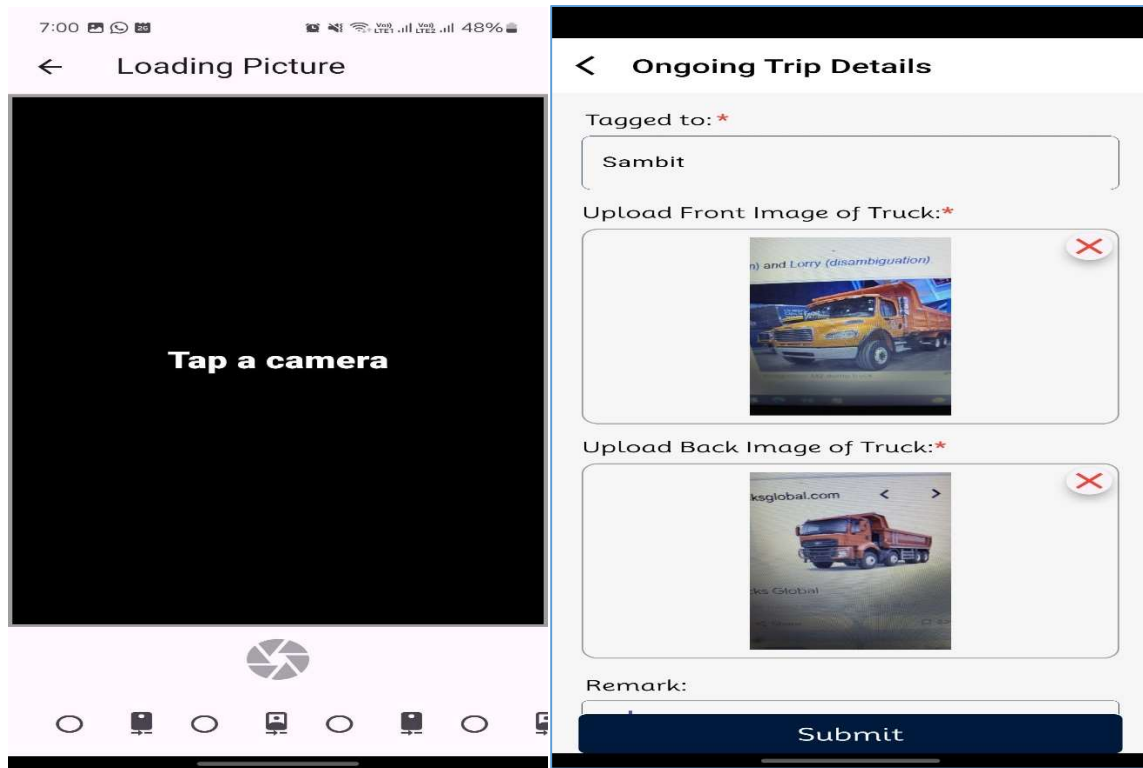



Figure 3-3 Ongoing Trip Details Screen

- Select the driver to assign, if required.
- Upload the front and back image of the truck using the camera option.
- Add remarks, and click on **Submit** button.
- On successful submission, the trip is started successfully.

	<p align="center">Quality System Template CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:12 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		

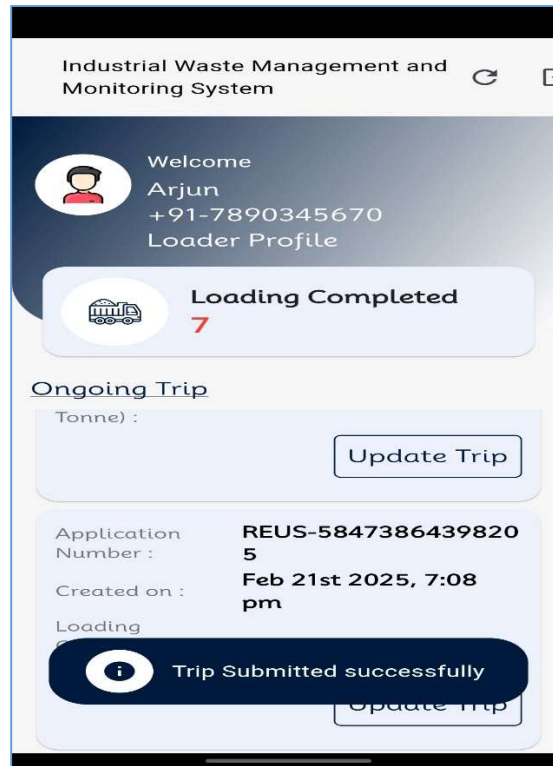


Figure 3-4 Loader User Dashboard Screen

4 DRIVER DASHBOARD

After the trip is started, the driver user needs to close the trip once completed. To do so, login into the application as driver user (refer Fig 2-2 and Fig 2-3).

With successful login, navigate to the dashboard section.


	<p align="center">Quality System Template CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:13 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		



Figure 4-1 Driver User Dashboard Screen

- The driver user can start the trip clicking on **Start the Trip** button.


	Quality System Template CSM Technologies	Document #: CSM/QT/01/01	Rev.: 1.0 Page #:14 of 18
	Industrial Waste Management and Monitoring System (IWMMS)		



Figure 4-2 Driver Dashboard Screen

- The Trip is started successfully.
- Once started, the driver can only end the trip when the vehicle is inside the geo-fence area of the location.
- Once the vehicle is inside the geo-fence area, the driver user needs to upload the image of the vehicle.


	<p align="center">Quality System Template CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:15 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		



Figure 4-3 Add Trip Details Screen

- Upload the Front and Back Image of the vehicle using the camera function.
- Add remarks in the textbox and click on **Submit** button.


	<p align="center">Quality System Template</p> <p align="center">CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:16 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		



Figure 4-4 Driver User Dashboard Screen


- The trip is ended successfully.

Note: In the Re-User type and Coal Mine Backfilling request, the driver user does not need to upload image of the vehicle.

Case I - For Reuser Request, once the trip is ended, the reuser user needs to receive the waste collected from the vehicle.

5 LOGOUT

To logout of the application, tap on the **logout** () icon provided in the dashboard. On clicking a confirmation alert message appears on the display screen.

	<p align="center">Quality System Template</p> <p align="center">CSM Technologies</p>	<p align="center">Document #: CSM/QT/01/01</p>	<p align="center">Rev.: 1.0 Page #:17 of 18</p>
	<p align="center">Industrial Waste Management and Monitoring System (IWMMS)</p>		

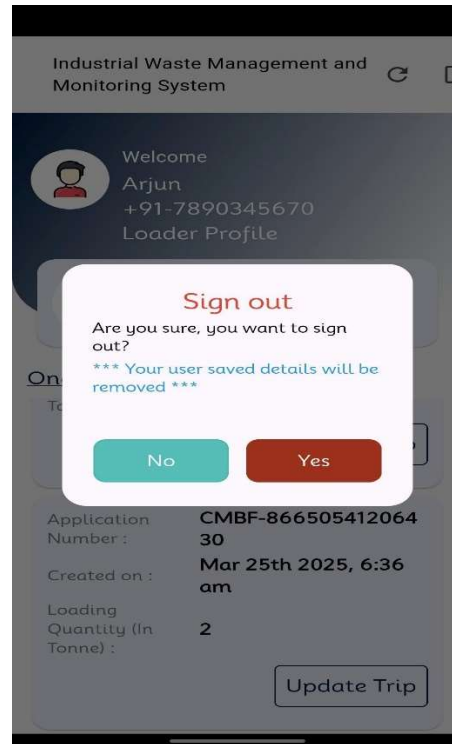


Figure 5-1 Sign Out Alert Screen

- If you are sure to logout from the application, then click on the **Yes** option and confirm to exit.
- Or, click on **No** option and stay logged in.


	Quality System Template CSM Technologies	Document #: CSM/QT/01/01	Rev.: 1.0 Page #: 18 of 18
	Industrial Waste Management and Monitoring System (IWMMS)		

Table of Figures

Figure 2-1 Landing Screen5

Figure 2-2 Choose Type of User6

Figure 2-3 Login Screen.....7

Figure 2-4 OTP Screen8

Figure 3-1 Loader User Dashboard9

Figure 3-2 How to Upload Front Image Screen10

Figure 3-3 Ongoing Trip Details Screen11

Figure 3-4 Loader User Dashboard Screen12

Figure 4-1 Driver User Dashboard Screen13

Figure 4-2 Driver Dashboard Screen14

Figure 4-3 Add Trip Details Screen.....15

Figure 4-4 Driver User Dashboard Screen16

Figure 5-1 Sign Out Alert Screen.....17