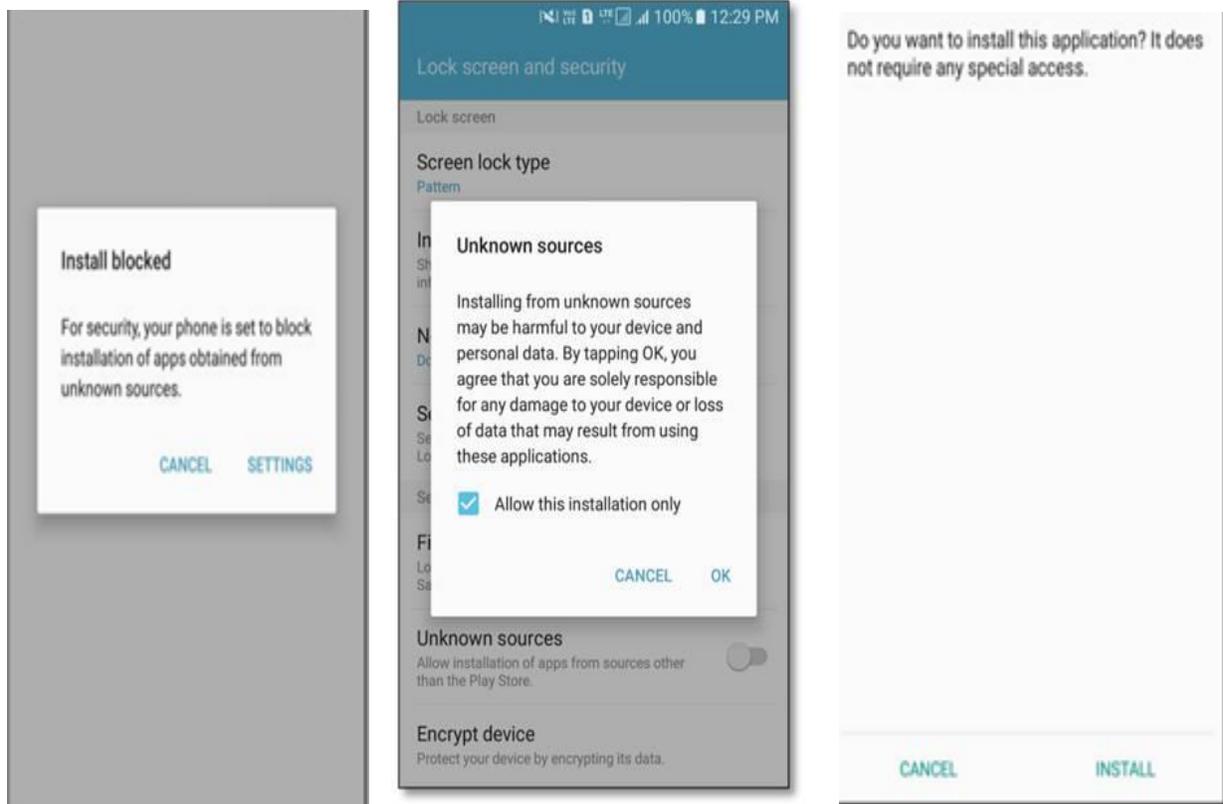


## Water Resource Development Android Mobile Application

This is an android mobile application developed for department of Water Resource Development to collect asset related data by the registered user. It works in both offline and online mode. A description of the mobile application is given below to make its use easier.

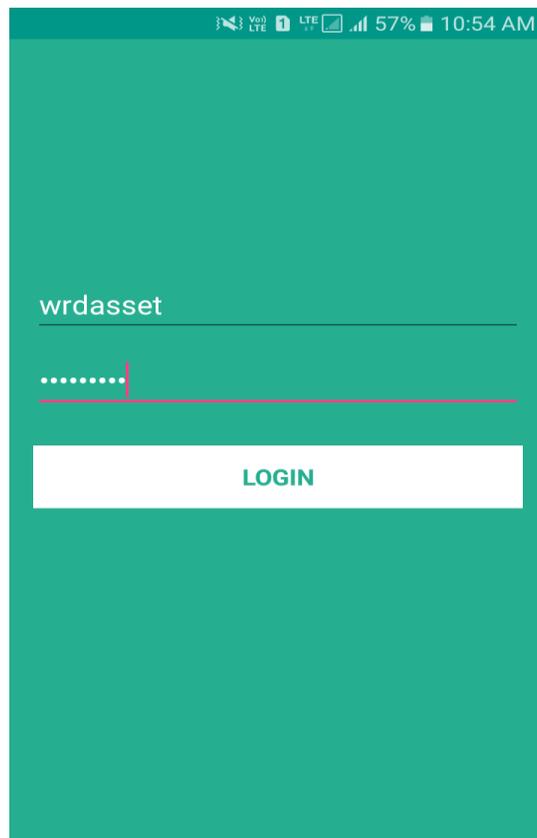
### Enable the unknown Sources Option:

The user has to enable the unknown sources option from his device settings to install the application. Then the user will be able to install the application on his device.



## Login System for User:

The user logs into the system by entering standard username and password in the text input fields provided, and then select the login button on successful login, users are directed to registration page.



The image shows a mobile application login screen. At the top, there is a status bar with icons for VoLTE, LTE, signal strength, 57% battery, and the time 10:54 AM. The main area has a teal background. There are two text input fields: the first contains the username 'wrdasset', and the second contains a masked password represented by seven dots. Below the password field is a white rectangular button with the text 'LOGIN' in teal capital letters.

## WRD Asset/Nigam Registration:

After logging in successfully, the user is directed into WRD-Asset or Nigam registration page. All the relative fields need to be select as shown below to register into WRD Asset.

VoLTE LTE 57% 11:05 AM

### WRD-Asset/Nigam Registration

**Nigam** : KBJNL

**Zone** : Chief Engineer KBJNL Dam Z..

**Circle** : SE KBJNL Dam Circle Almatti

**Division** : E.E KBJNI Dam Division Alma..

**Sub Division** : A.E.E.KBJNL Dam Sub-Divison..

**Officer Name** : Naveenkumar

**Designation** : Ps

**KGID/Adhar No** : 591050305781

**Mobile No** : 9480101144

**REGISTER**

Once the registration into WRD asset is successful, it will be acknowledged on the screen as shown below

VoLTE LTE 57% 11:05 AM

### WRD-Asset/Nigam Registration

**Nigam** : KBJNL

**Zone** : Chief Engineer KBJNL Dam Z..

**Circle** : SE KBJNL Dam Circle Almatti

**Division** : E.E KBJNI Dam Division Alma..

**Sub Division** : A.E.E.KBJNL Dam Sub-Divison..

**Officer Name** : Naveenkumar

**Designation** : Ps

**KGID/Adhar No** : 591050305781

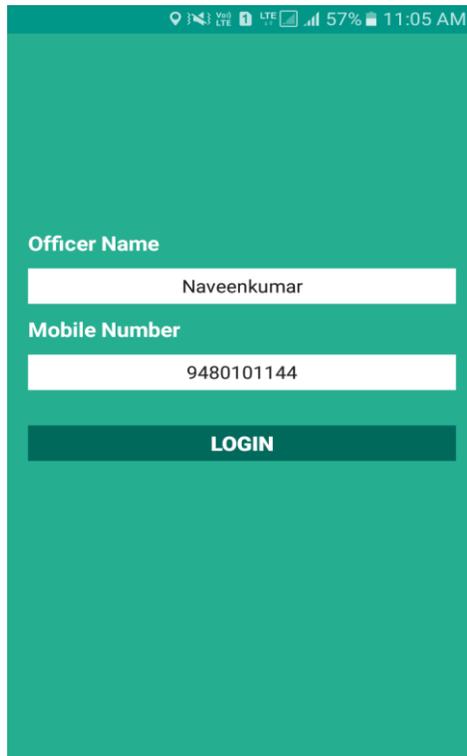
**Mobile No** : 9480101144

**REGISTER**

Registration Completed Successfully

OK

After successfully logging in, the officer name and mobile number will be displayed automatically. To proceed further, the user needs to click on the login button



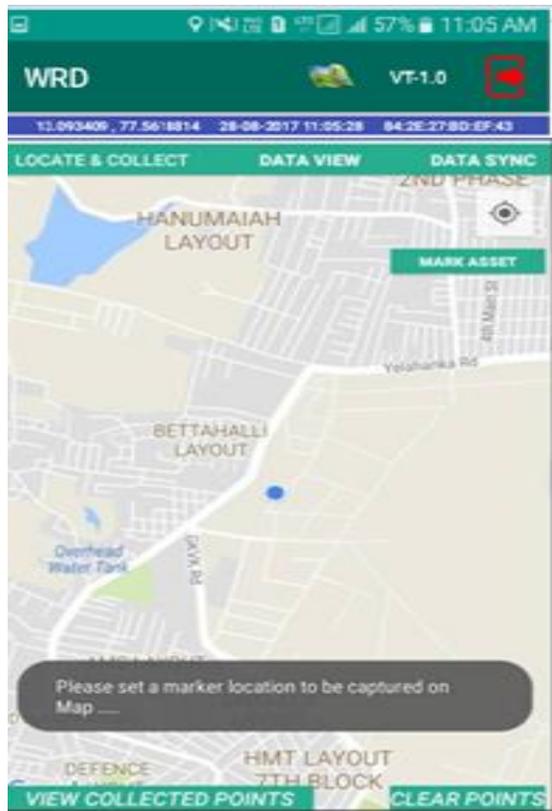
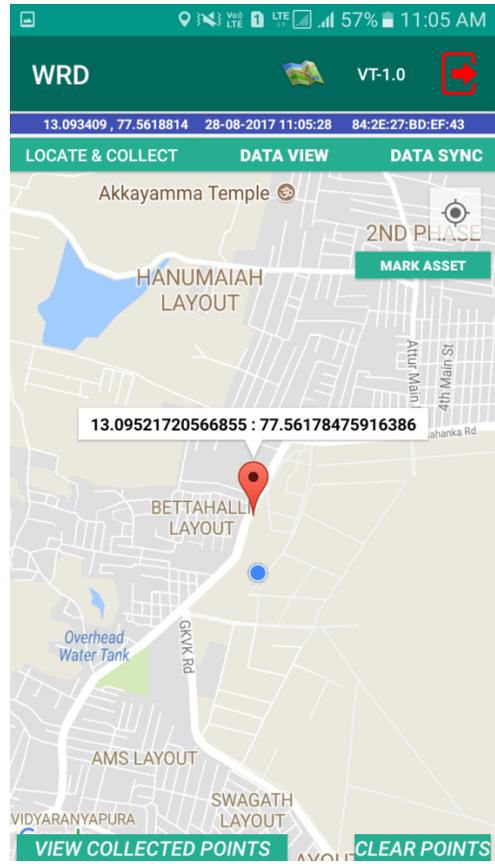
Officer Name  
Naveenkumar

Mobile Number  
9480101144

LOGIN

### **Locate & Collect Button (Online):**

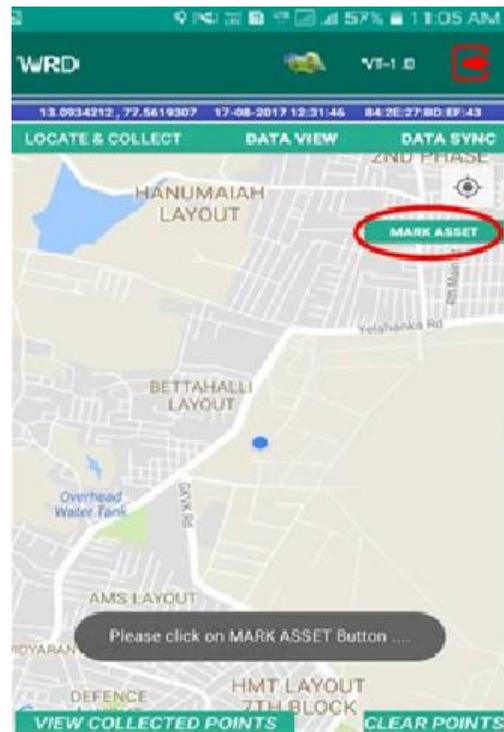
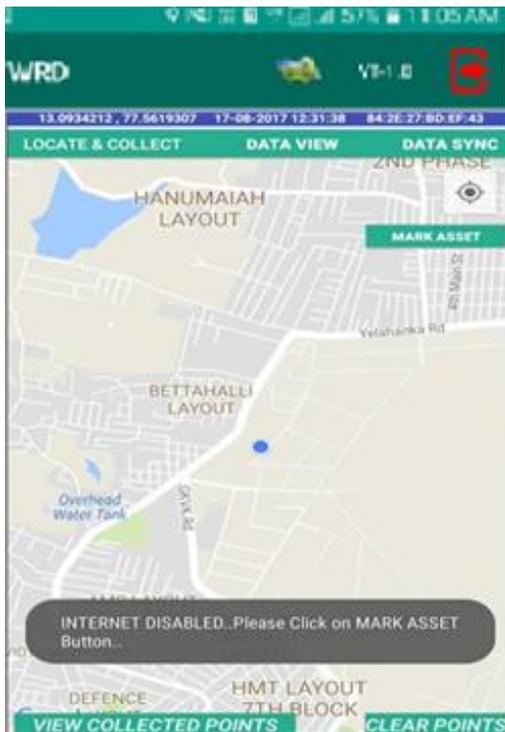
The pointer will show the current location using GPRS. The user has to set the marker by clicking on the assets location then the latitude and longitude will be displayed along with location GPRS and the asset. If the user does not select a point on map for which the data has to be collected before clicking on Data Collection, he will be notified to set a location on the map as shown in the picture.



## Locate & Collect Button (Offline):

The user has clicks on "MARK ASSET" Button for which he wants to collect data or else a notification will be as shown below stating that **"Please click on MARK ASSET Button"**

If user directly clicks on Locate & Collect Button, a notification will be displayed as shown below stating that **"INTERNET DISABLED. Please Click on MARK ASSET Button"**



**Data Submission:** After locating the points on the map, all the data regarding the asset like asset category, sub category, Asset name, Chainage, Locality, Town/Village, Pincode, Asset Status, Remarks, Photo should be submitted. An illustration of it shown below

GPS LatLong(13.093409,77.5618814),Asset latlong(13.095217,77.561785)

**Asset Category** : Power Station

**Sub Category** : Hydro Power

**Asset Name** : Shivansamudra

**Chainage** : c1

**Locality** : Shimsha

**Town/Village** : Malvali

**Pincode** : 571401

**Asset Status** : In use

**Remarks** : sample

**Photo** :  Photo latlong :13.093409 ,77.5618814  
Photo DateTime :2017-08-28 11:05:28

**SUBMIT**

**WRD Asset data collection:** All the information submitted will be displayed along with the ID as shown below

VoLTE LTE 56% 11:11 AM

**WRD**

**WRD Asset Data Collection**

**ID** : 1

**Asset Category** : Power Station

**Sub Category** : Hydro Power

**Asset Name** : Shivansamudra

**Chainage** : c1

**GPS LatLong** : 13.093409N , 77.5618814E

**Asset LatLong** : 13.095217N , 77.561785E

**Locality** : Shimsha

**Town/Village** : Malvali

**Pincode** : 571401

**Asset Status** : In use

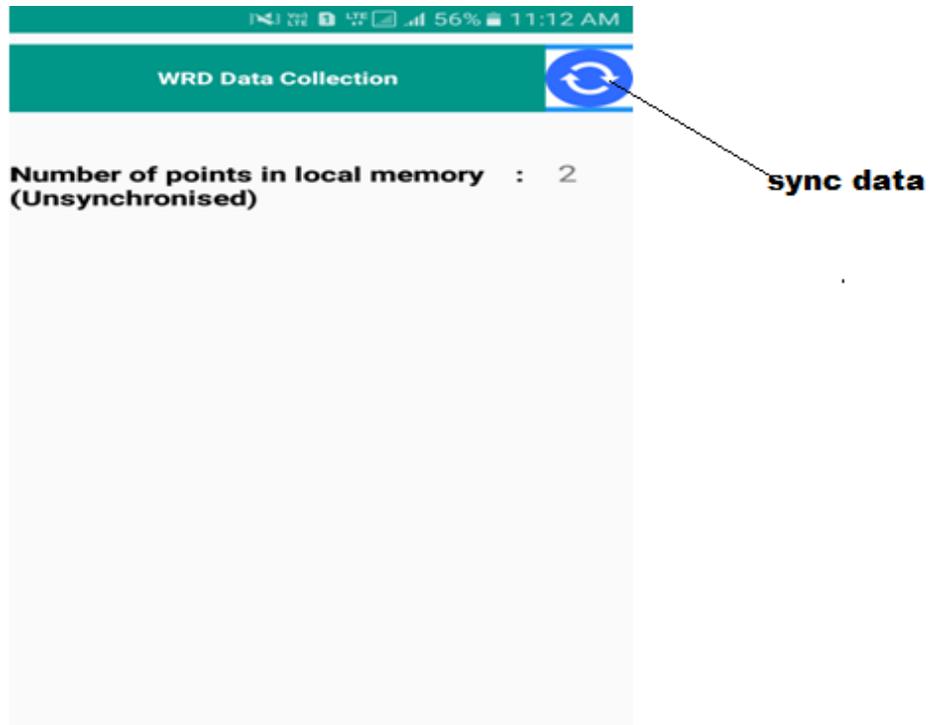
**Remarks** : sample

**Photo** :  Photo latlong :13.093409N , 77.5618814E  
Photo DateTime :2017-08-28 11:05:28

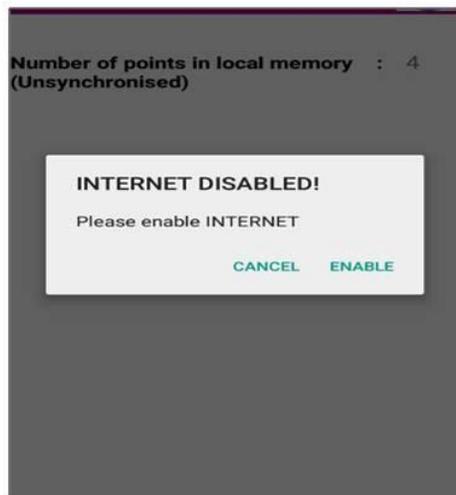
In case, the Locality, Town/Village, Pin code, Remarks needs to be modified manually and saved, “Save Edits” button can be used.

## Data Sync

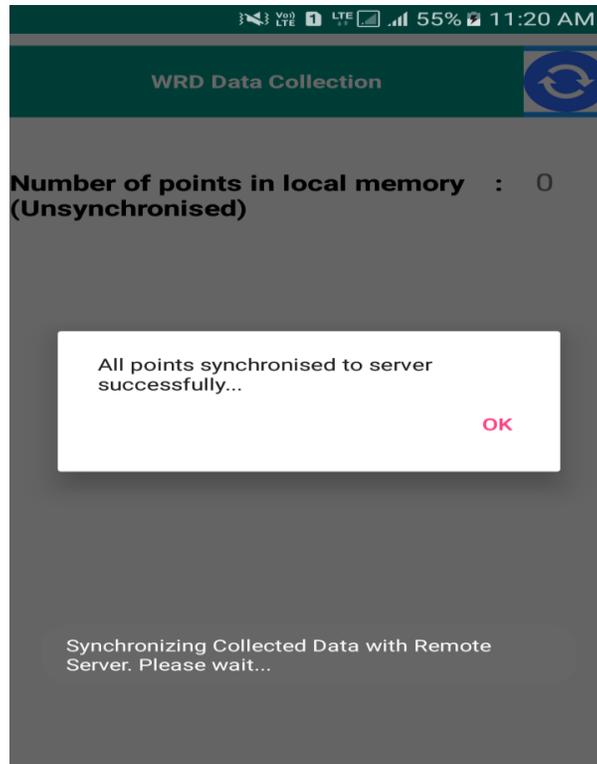
Once the data collection is completed and when the user gets internet connection, he/she can synchronize the data to the online server using a “Data Sync” tab present on Map Window. There is a sync button on the right top of the page.



If internet is not enabled while synchronizing data, the user gets a notification to enable internet and is redirected to settings page if he selects enable option.



Once the data is synchronized to the server, user gets a notification "All points are synchronized to server successfully" and the User has to click on 'OK' button.



This synchronizes the data with the remote server and the message for the same is displayed.

## Logout

Exit from application by clicking on top-right side 'Logout' option as shown below and it further redirects to login Page.

