

HPFS

VEHICLE TRACKING SYSTEM

HOTSPARE



Project Objective

- *Ability to track Liquor carrying Truck movements across various locations*
- *To effectively monitor the complete liquor supply chain management*
- *Efficient and transparent monitoring of vehicle movement and Routes over Digital Maps*
- *Ability to provide effective real time vehicle location*

Key Questions

- **What we developed?**
- **How to implement?**
- **How to use?**

Features

GPS Vs Android App

GPS	Android
<i>Need to fix permanently</i>	<i>No need to fix</i>
<i>Logistics cost from depot and back</i>	<i>No logistics cost</i>
<i>Separate connectivity for each device</i>	<i>No separate connectivity. Only through driver mobile</i>
<i>Fixed cost</i>	<i>No fixed cost</i>
<i>Separate Electric wiring required for each Vehicle</i>	<i>No Wiring required</i>
<i>Device Maintenance is required</i>	<i>Not required</i>

Comparison

Features

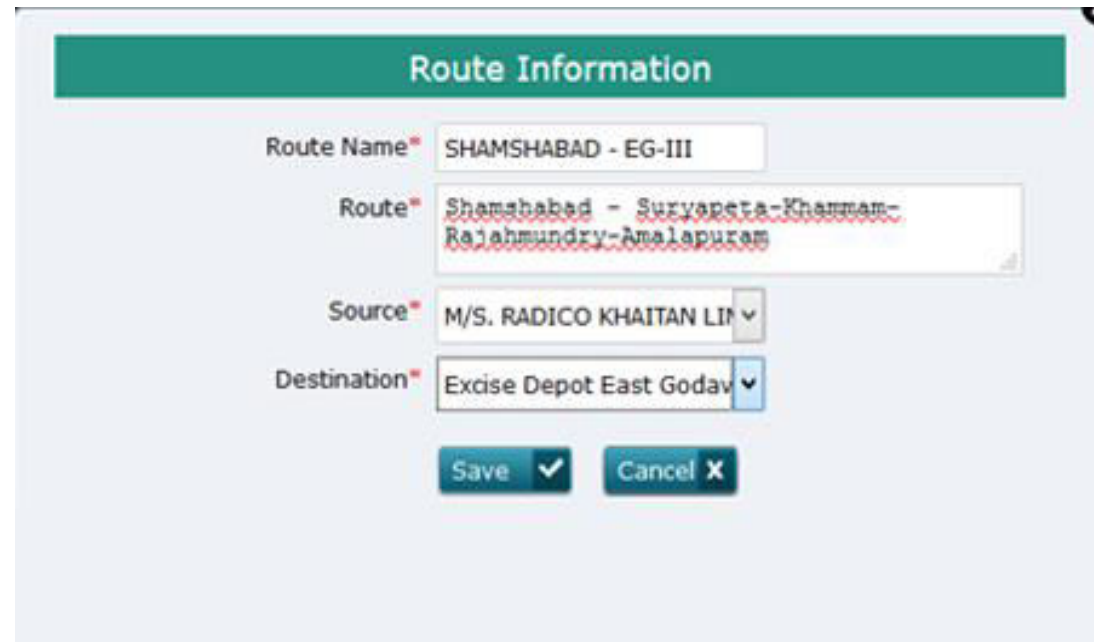
Android Based App

- *Web based application with user login and password*
- *Vehicle Details and Off Trip Alerts configuration*
- *Mark Way Points*
- *Standard Routes*
- *Assign Trips and Alerts*
- *Send SMS or Email or Both (at a pre-configured minute interval)*
- *Dashboard of all the vehicles*
- *Maps – Current Position, Trip View*

Route Creation

Who & How create master routes?

- *Distillery officer will create predefined routes.*
- *Key locations as per excise department*



The screenshot displays a web-based form titled "Route Information". It contains the following fields:

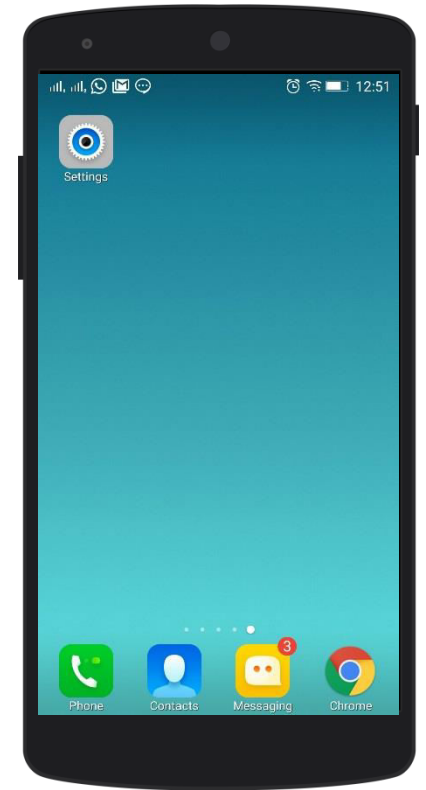
- Route Name***: A text input field containing "SHAMSHABAD - EG-III".
- Route***: A text input field containing "Shamshabad - Suryapeta-Khammam-Rajahmundry-Amalapuram".
- Source***: A dropdown menu with "M/S. RADICO KHAITAN LIN" selected.
- Destination***: A dropdown menu with "Excise Depot East Godav" selected.

At the bottom of the form are two buttons: "Save" with a checkmark icon and "Cancel" with an 'X' icon.

Configuration Step-1

Hardware Requirement

- *Operating System : Android*
- *Version : Ice Cream Sandwich 4.0.1 and above*
- *Features: Camera , GPS and GPRS*
- *Mobile data: 2g/3g/4g*

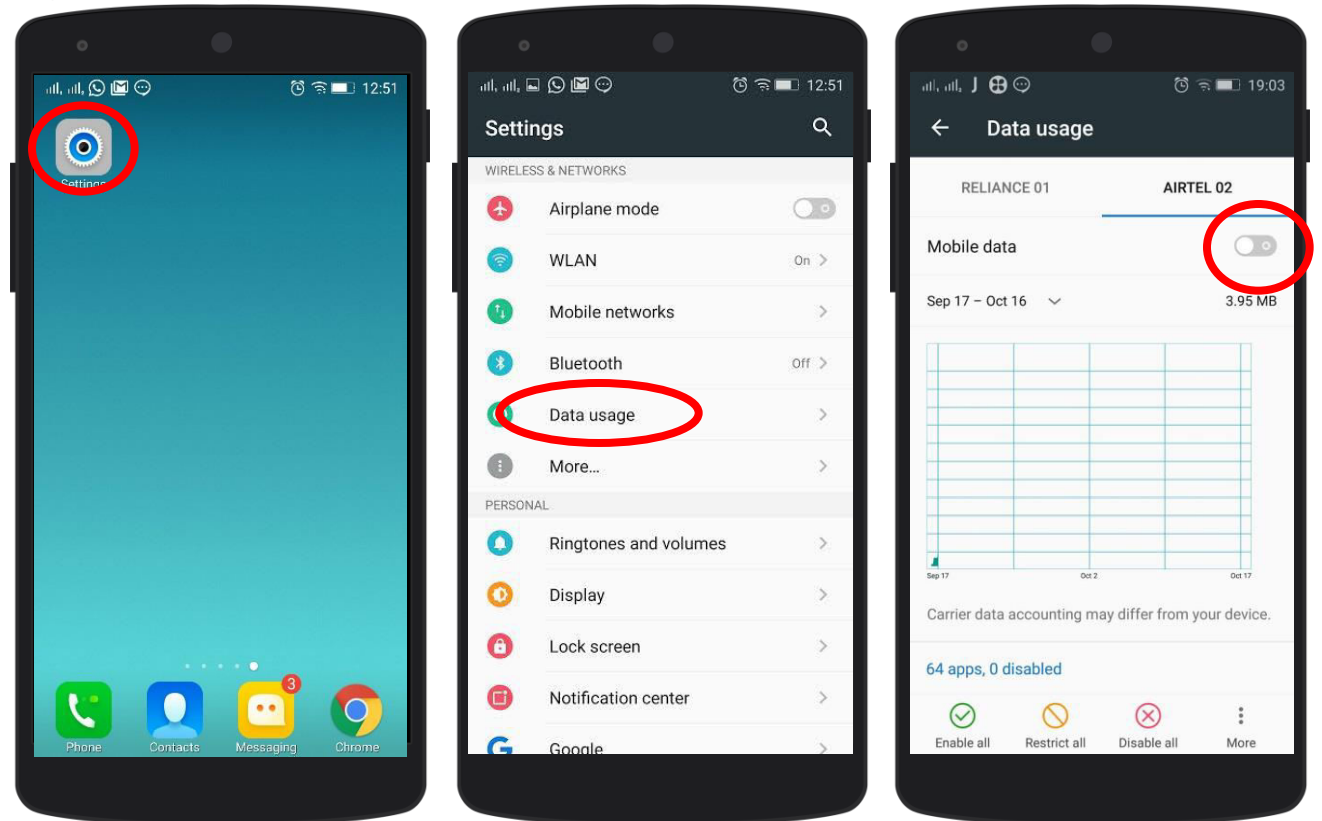


App Configuration Step - 1

Settings

- *Need to enable Mobile data*
- *Allow Location services*
- *Download the app from Play store*

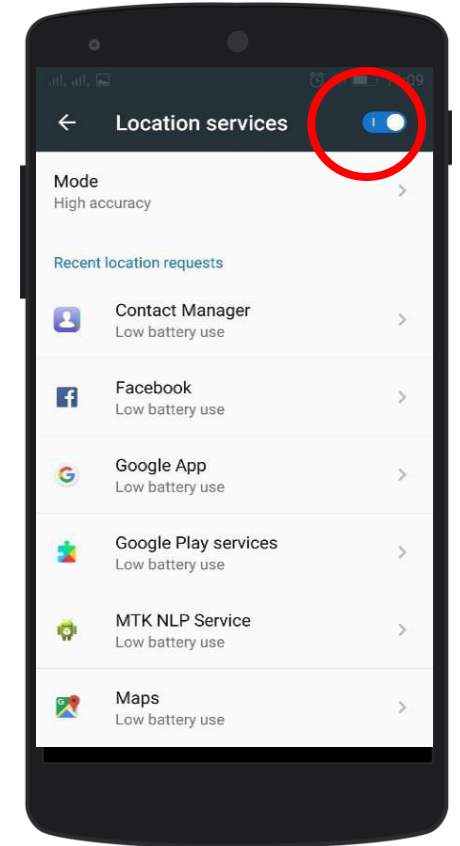
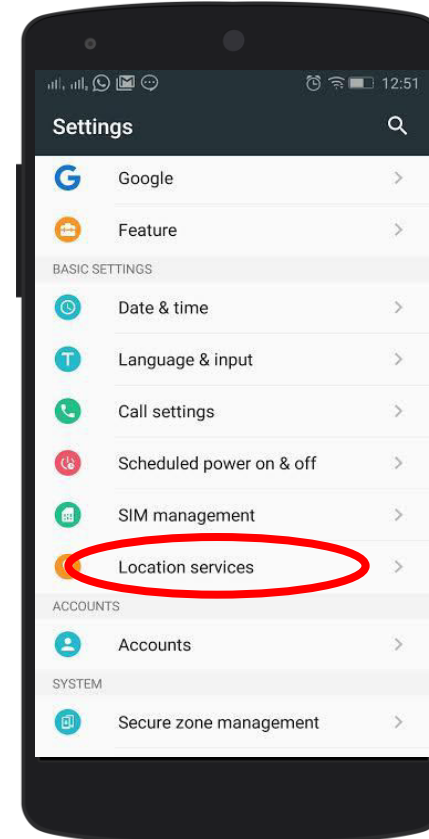
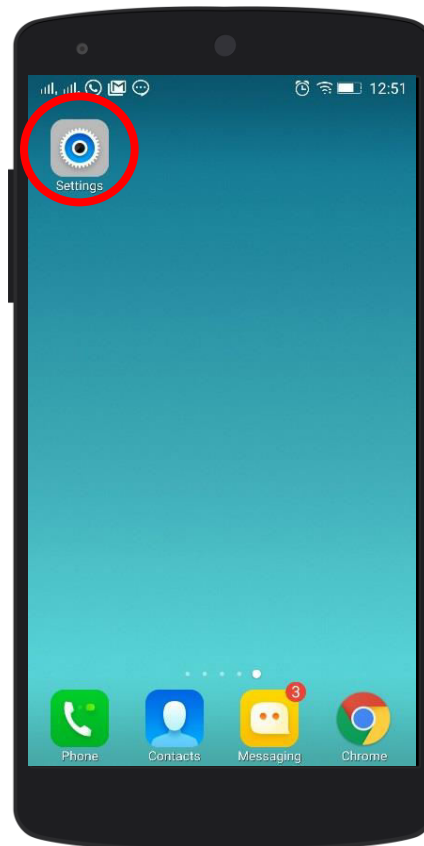
- *Click on Settings Icon*
- *Click On Data Usage*
- *Enable Mobile Data*



App Configuration Step-2

Enable Location Services (GPS)

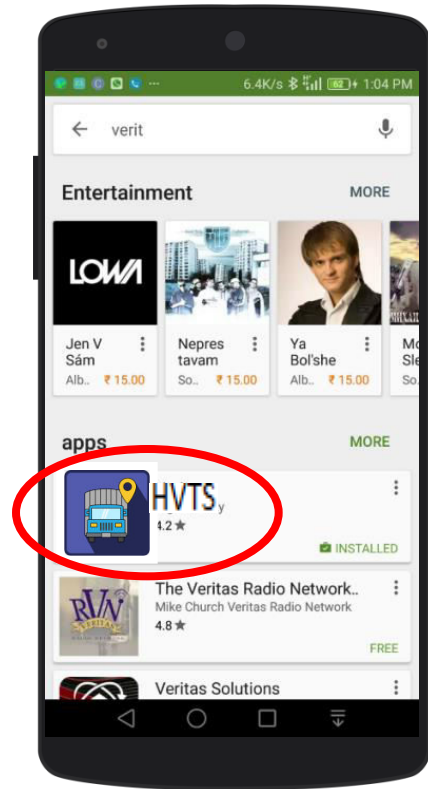
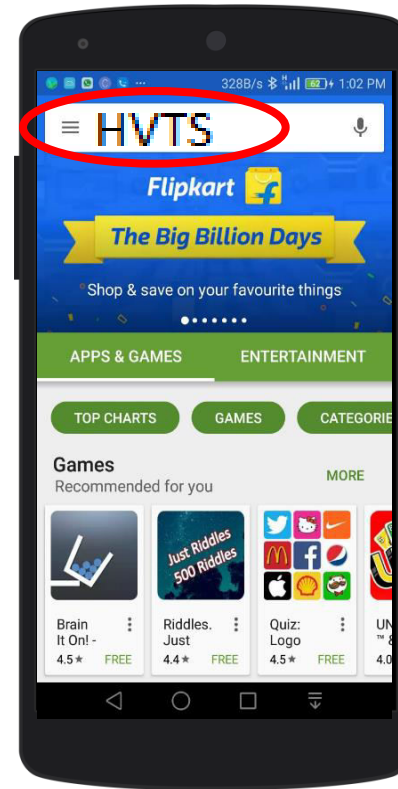
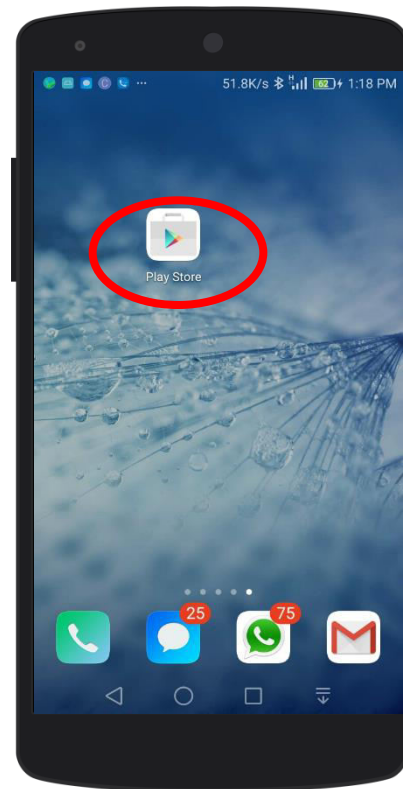
- Click on Settings Icon
- Click On Location Services
- Enable Location Services



App Configuration Step-3

Install HVTs Application

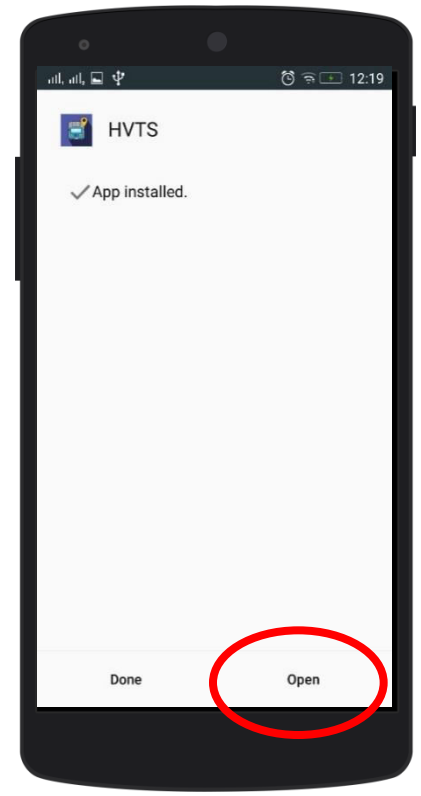
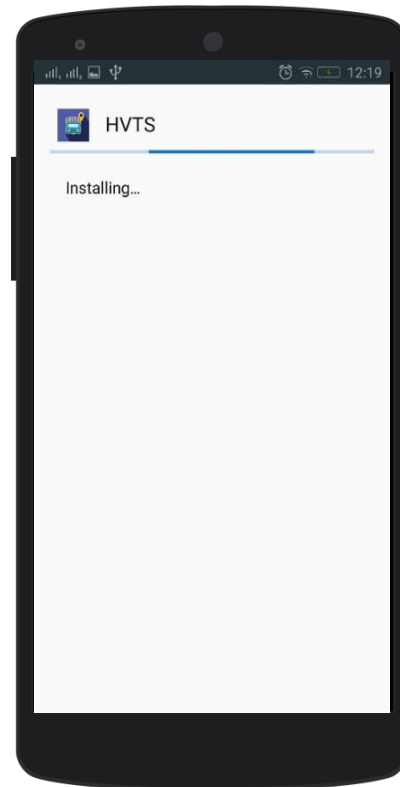
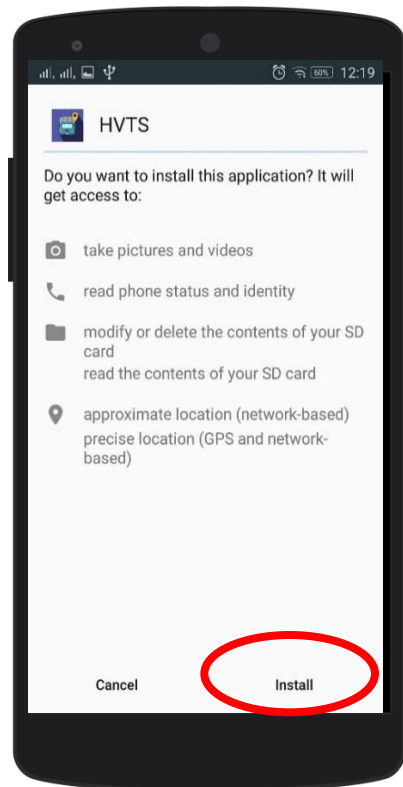
- Click on Play Store Icon
- Enter The App Name HVTs
- Click on Install to Start Download and Install application



Install HVTS Application

- ***Click on Install Button***
- ***After Installation Click on Open Button***

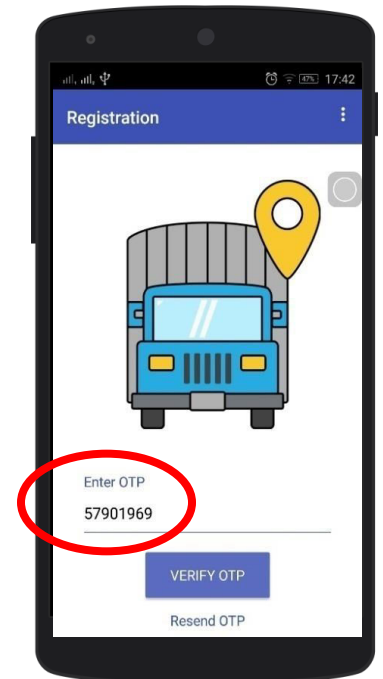
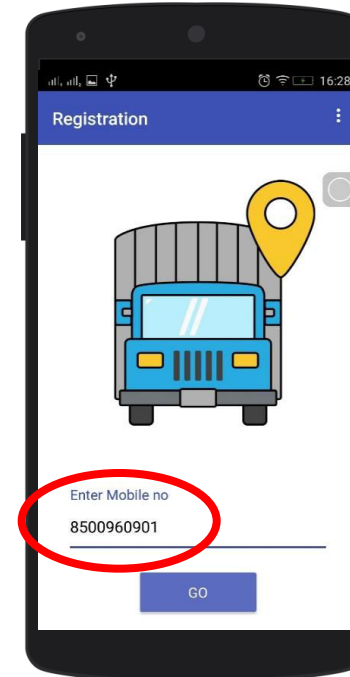
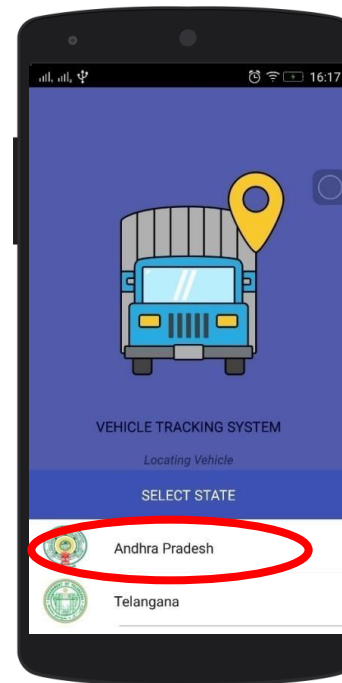
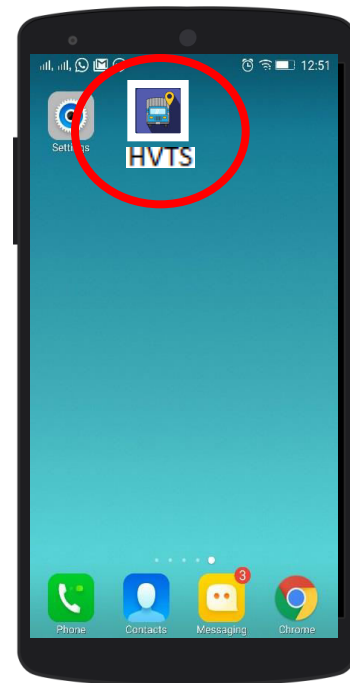
***App Configuration
Step-3 continue***



App Registration Process

- Open the HVTs App
- Select State
- Enter Mobile Number for Registration
- Click on Verify OTP
- (If OTP not received, then click on resend OTP button)

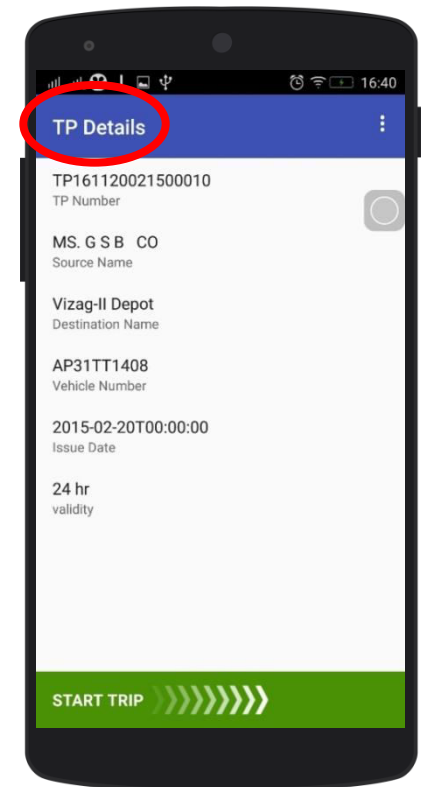
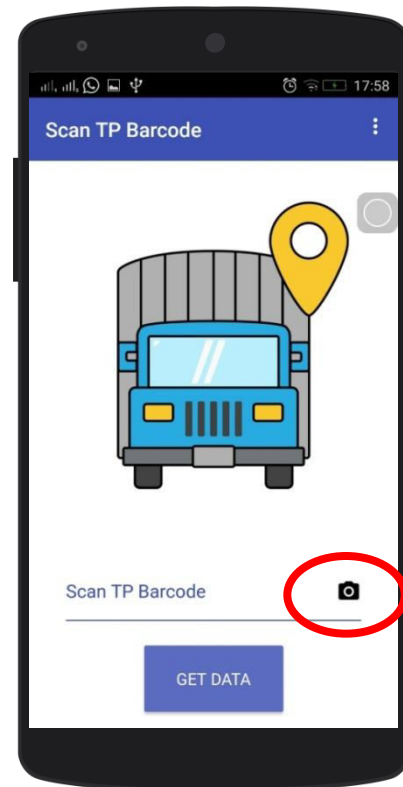
Process-1



How to start ?

- Click on Camera Icon
- Scan TP (Transport Permit) Barcode
- Click on Get Data

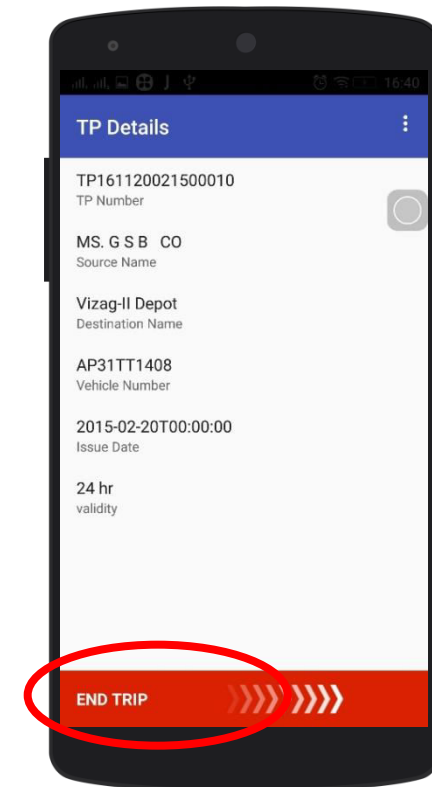
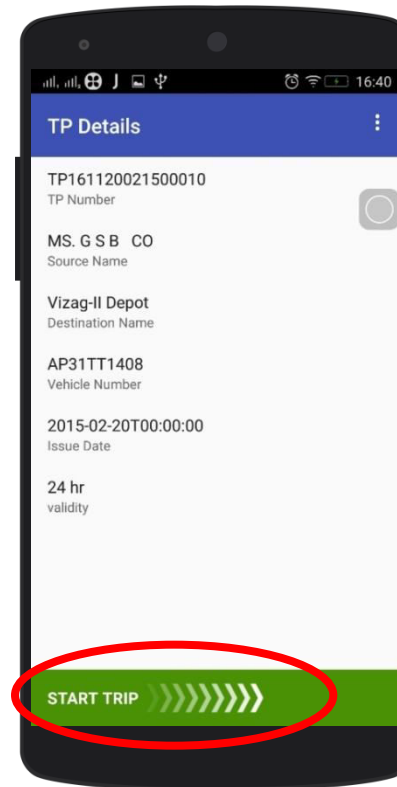
Process-2



How to start and end?

- *Swipe the Start Trip Button from Left to right*
- *After reaching Depot either close or after inward automatically closes*

Process-3



Check vehicle location by officials

- Login to HPFS Application
- Click on Shipments Icon
- Click on Track link to View the Maps

How to view Step-1

Prohibition and Excise Department

Download app Home Help Mr. Mukesh Kumar Meena Log Out

Dashboard Users Distillery Depot Licensee Profiles Licensee Sales

Distillery Shipment Depot Shipment TP Revalidation

Start Date 13-Sep-2016 End Date 01-Oct-2016 M/S. ALLIED BLENDERS PVT.LTD

10 Search: 55

S.no	Transport Permit	Consignment Type	From	To	Date	TP Route	VTS Report
55	TP167723091600570	OFS	M/S. ALLIED BLENDERS AND DISTILLERS (P) LTD S/L SENTINI BEVERAGES PVT.LTD	Excise Depot Vijayawada-I	23-Sep-2016	Track	VTS Report
4	TP167717091600559	OFS	M/S. ALLIED BLENDERS AND DISTILLERS (P) LTD S/L SENTINI BEVERAGES PVT.LTD	Excise Depot Kurnool	17-Sep-2016	Track	VTS Report
23	TP167717091600558	OFS	M/S. ALLIED BLENDERS AND DISTILLERS (P) LTD S/L SENTINI BEVERAGES PVT.LTD	Excise Depot Guntur-I	17-Sep-2016	Track	VTS Report

View Maps by officials

- *Multiple Vehicles View*
- *Single Trip View*

*How to view
Step-1 Continue..*



Trip Reports



GOVERNMENT OF ANDHRA PRADESH
PROHIBITION & EXCISE DEPARTMENT
Trip Detail Report

Source Location: M/S. ALLIED BLENDERS AND DISTILLERS (P) LTD S/L SENTINI BEVERAGES PVT.LTD Destination Location: Excise Depot Vizianagaram
Start Date: 17-SEP-16 Trip End Date: 19-SEP-16
TP No: TP167717091600553
Vehicle No: AP16TY9227

Time	Latitude	Longitude	Way Point Name
17-SEP-16 04.13 PM	16.729808	80.346015	ABD S/L SENTINI
17-SEP-16 04.22 PM	16.729851	80.345613	
17-SEP-16 04.29 PM	16.772264	80.289584	VIJAYAWADA
17-SEP-16 09.27 PM	16.51215	80.727717	ELURU
17-SEP-16 09.33 PM	16.540407	80.801988	
17-SEP-16 11.24 PM	16.738815	81.107132	RAJHAMUNDRY
18-SEP-16 01.03 AM	16.892921	81.326045	ANNAVARAM
18-SEP-16 08.22 AM	17.358946	82.568361	VISHAKAPATNAM
18-SEP-16 10.19 AM	17.784081	83.124242	
19-SEP-16 02.04 PM	17.924929	83.421202	Excise Depot Vizianagaram
Total Time: 69hrs:51min			

Reports

Q & A

Thank You