

# M-STripES Patrol

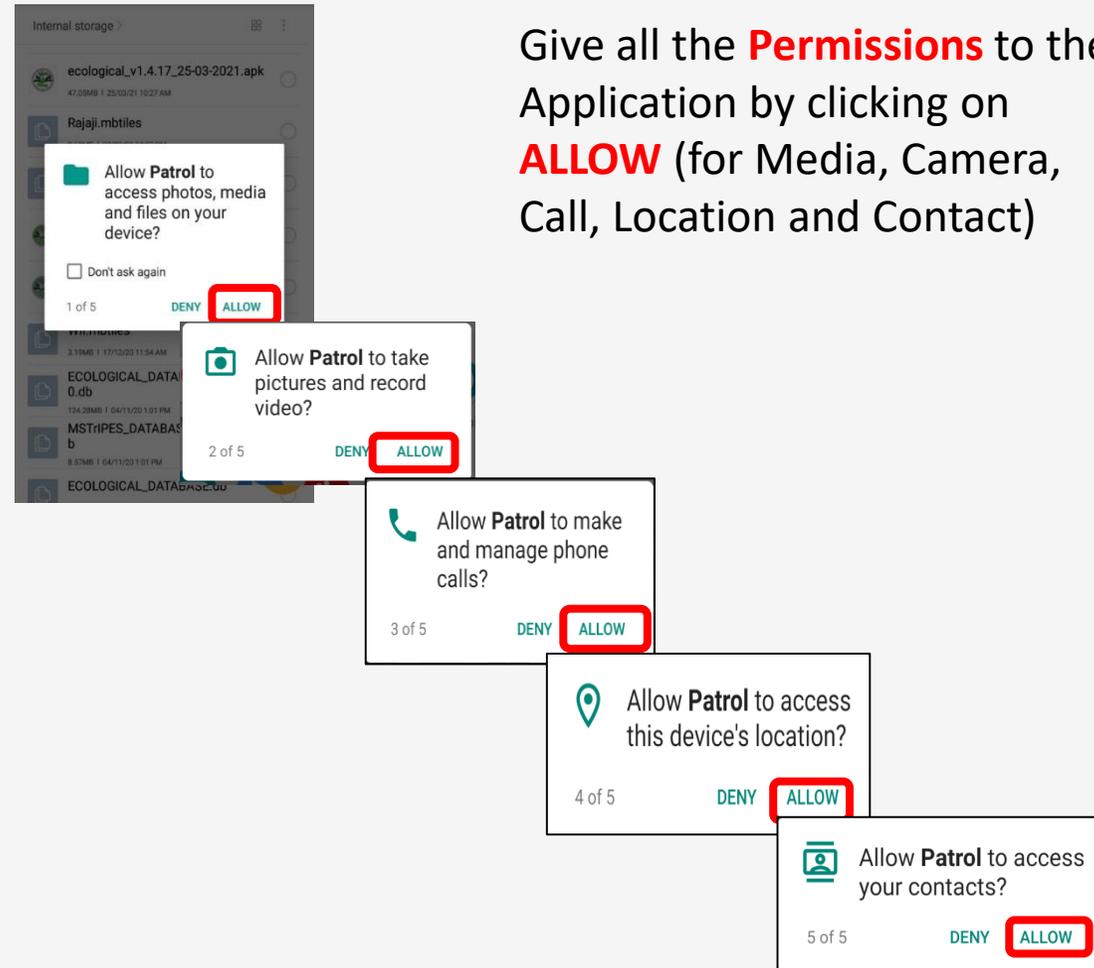
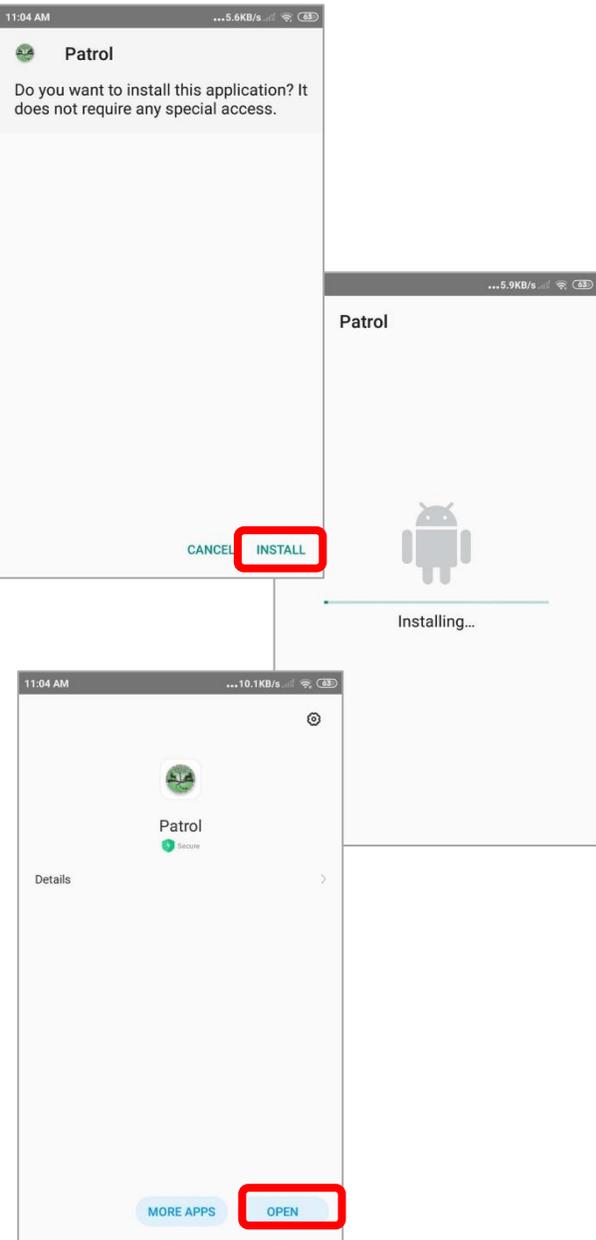
## App User Manual



भारतीय वन्यजीव संस्थान  
Wildlife Institute of India

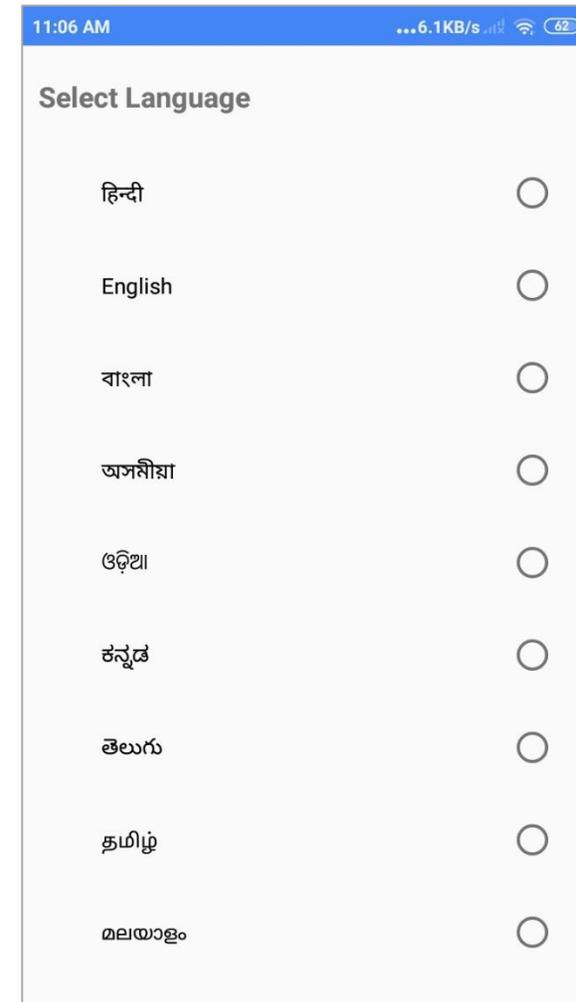


# Installation of MSTRIPES Patrol Application



Give all the **Permissions** to the Application by clicking on **ALLOW** (for Media, Camera, Call, Location and Contact)

Choose your preferable language (e.g., **English**) from the provided list by clicking on the Radio button



# User Registration

9:59 You are in Uttarakhand State, Rajaji Division and Chilla Range

Name  
Shyam

Designation  
Forest Guard

19023 **Employee Code**

Unique ID  
88c978d45cc6c20e

Phone Number  
9488879388

Email-Id

**REGISTER**

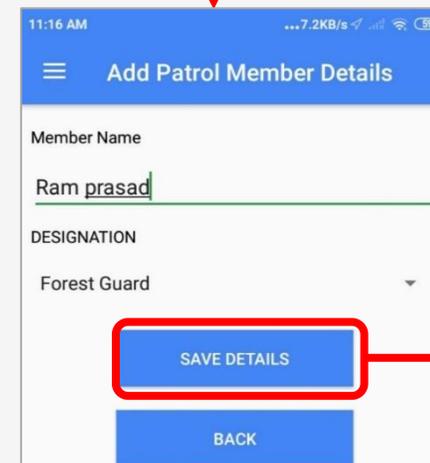
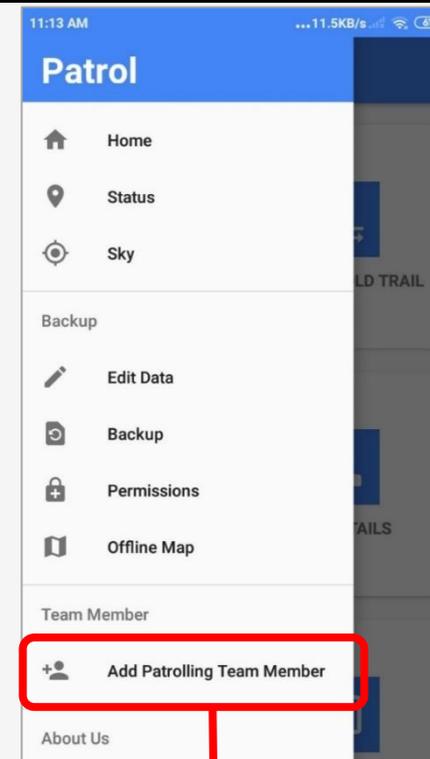
**Internet** is mandatory while registering. Fill the required fields (Name, Designation, Employee code, Phone number of the MSTRIPES user, email (optional))

Click on 'Register' & Confirm

**Confirmation**

Please ensure the information entered is correct! (No modification is allowed after submission).

**CANCEL** **OK**

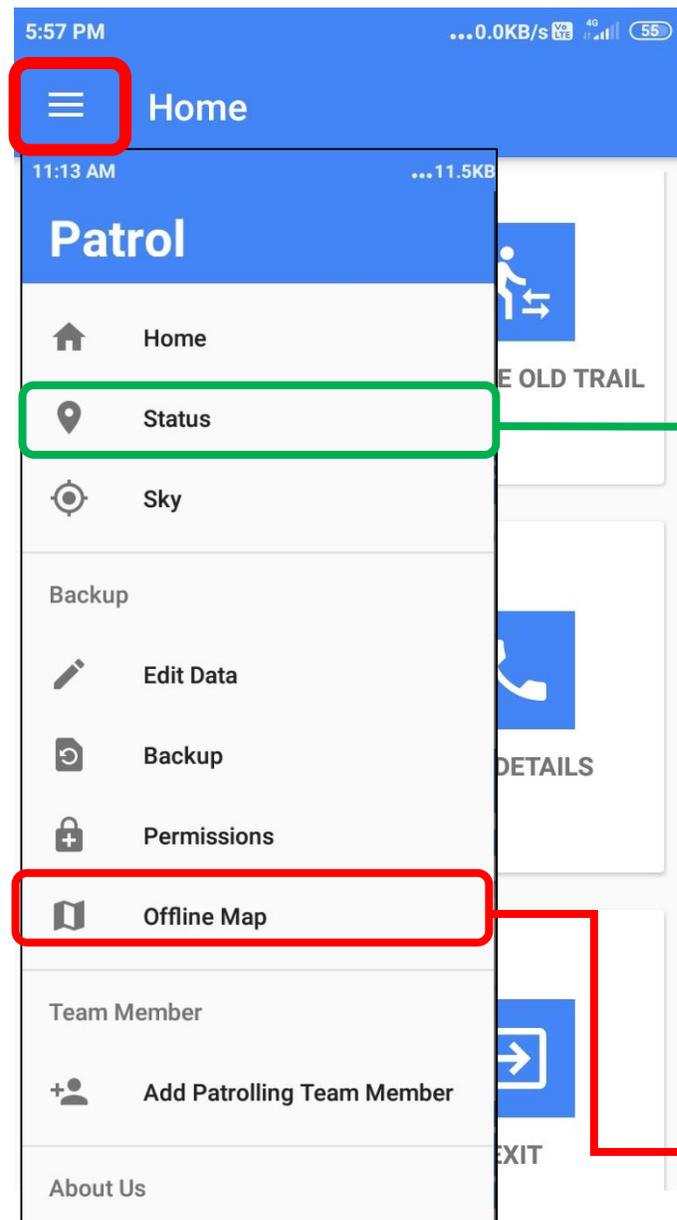


If you want to add members:

1. Click on the **Menu bar**
2. Go to **Add Patrolling Team Member**.
3. Enter **Member Name & Designation**
4. **Save Details**.
5. Similarly, you can add more members. A list will show all the member names.
6. To delete member, click on the name in the list & confirm.
7. Click on **Back** to go to main page.

S.No	Name	Designation
11	Shyam	Forest Guard
12	Ram prasad	Forest Guard

# Status of the Satellites & Uploading of Offline Map

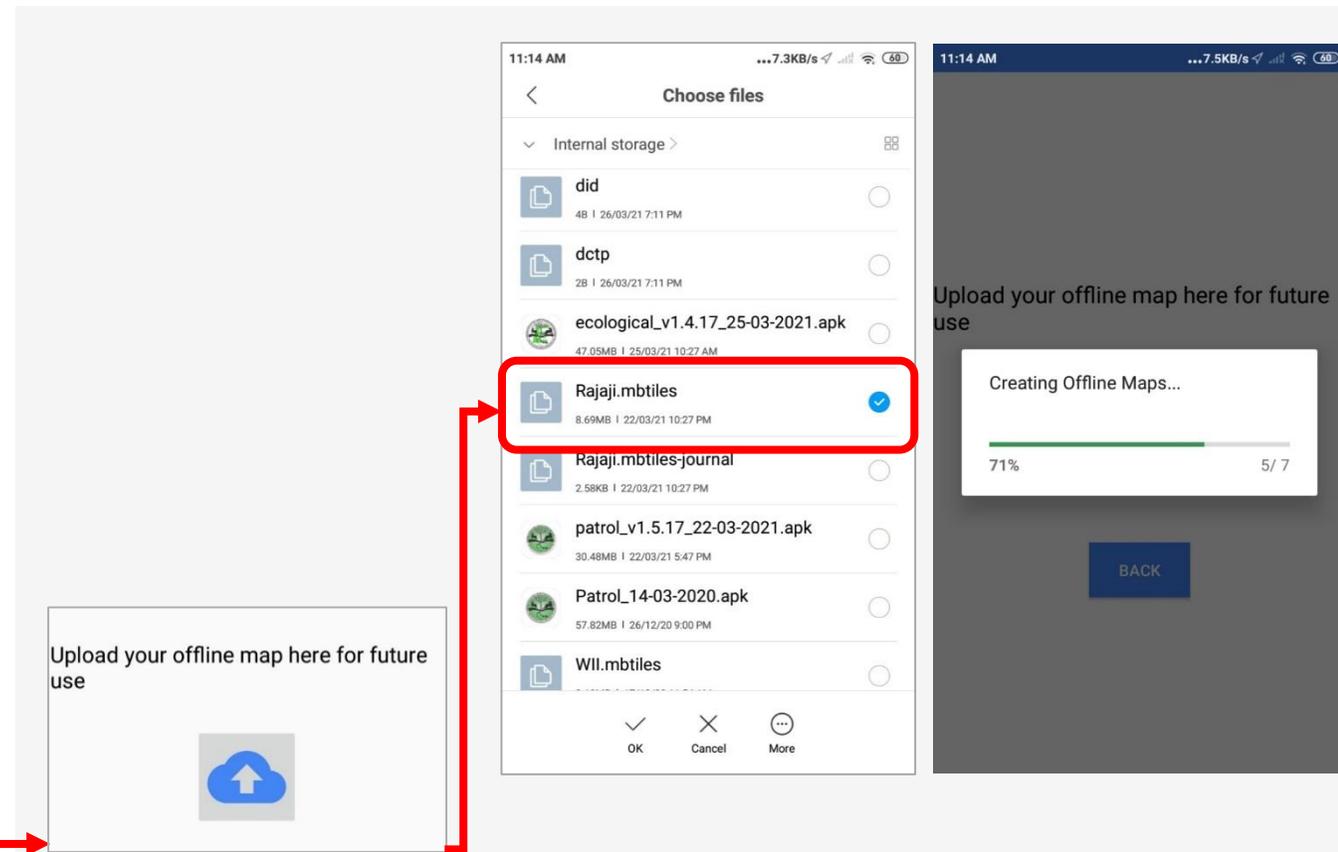


Click on **Menu** → **Status** to see the status of satellites acquired

Click on **Menu** → **Offline Map** to **Upload the offline map\***  
(keep it in the phone storage beforehand)  
It will take a few moments to load.

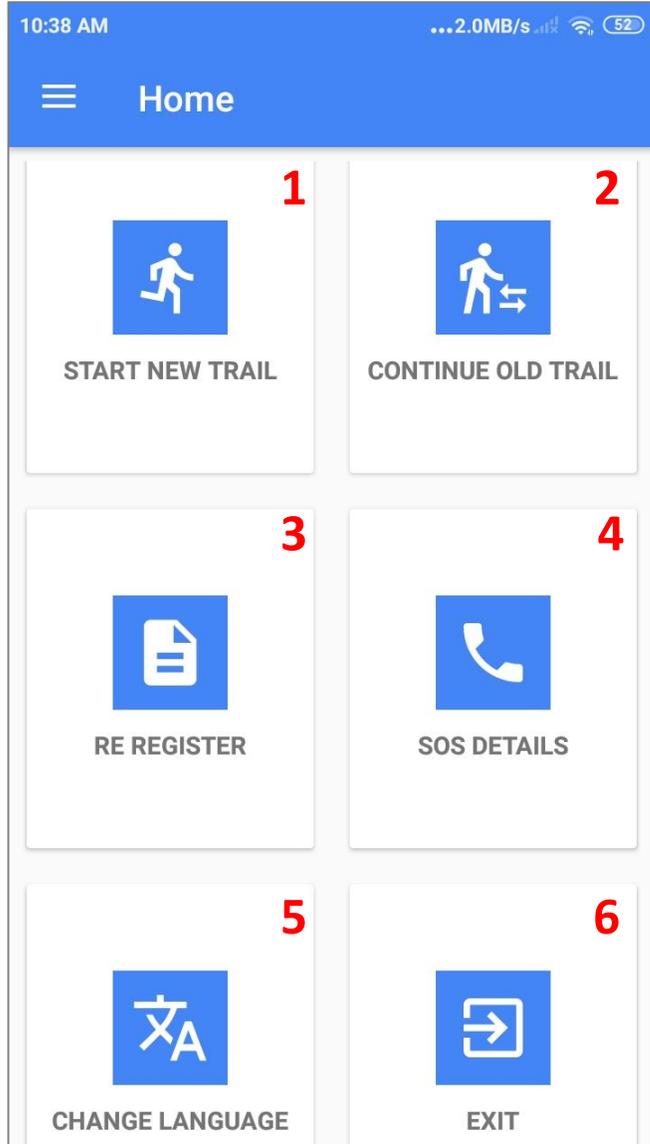
The screenshot shows the 'Status' screen with a table of satellite data. The table has columns for ID, GNSS, CF, C/NO, Flags, Elev, and Azim. The data is as follows:

ID	GNSS	CF	C/NO	Flags	Elev	Azim
1	USA	0.0	0.0	A	14.0	130.0
4	USA	0.0	0.0	A	9.0	160.0
7	USA	0.0	0.0	AE	68.0	39.0
8	USA	0.0	0.0	AE	43.0	47.0
9	USA	0.0	0.0	A	37.0	180.0
13	USA	0.0	0.0	A	4.0	323.0
14	USA	0.0	0.0	AE	40.0	274.0
17	USA	0.0	0.0	A	17.0	202.0
21	USA	0.0	0.0	A	21.0	104.0
27	USA	0.0	0.0	A	9.0	37.0
28	USA	0.0	0.0	A	37.0	270.0
30	USA	0.0	0.0	AE	47.0	323.0
10	RUS	0.0	0.0	AE	44.0	21.0
9	RUS	0.0	0.0	A	17.0	71.0
1	RUS	0.0	0.0	AE	30.0	291.0

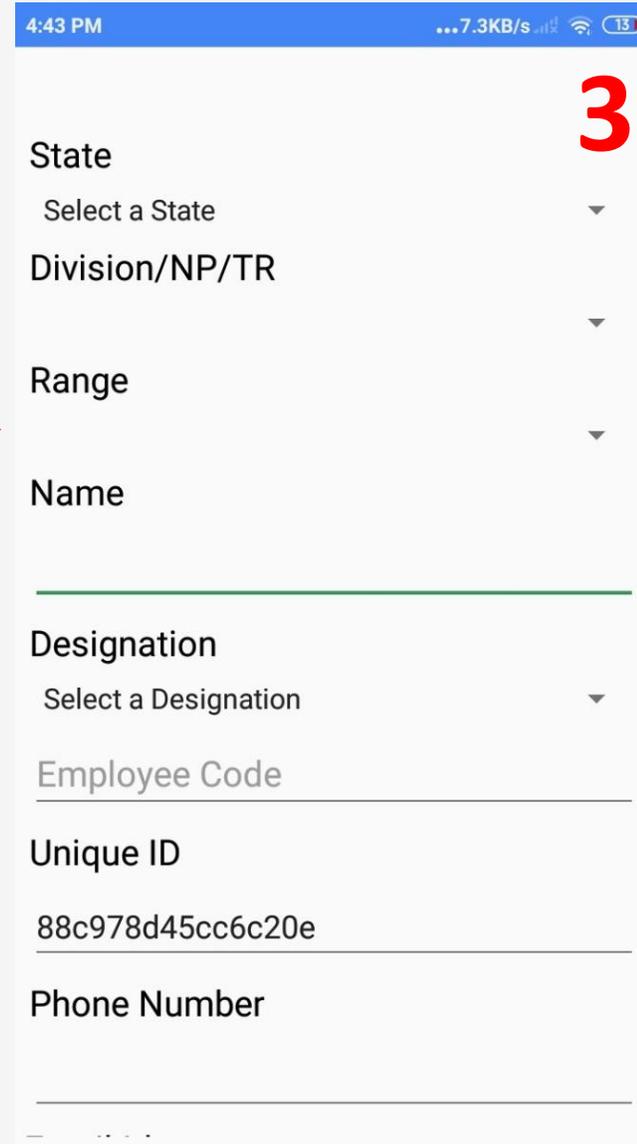


*\*Please see the desktop manual on 'How to create the Offline Map'*

# Icons & their utilities

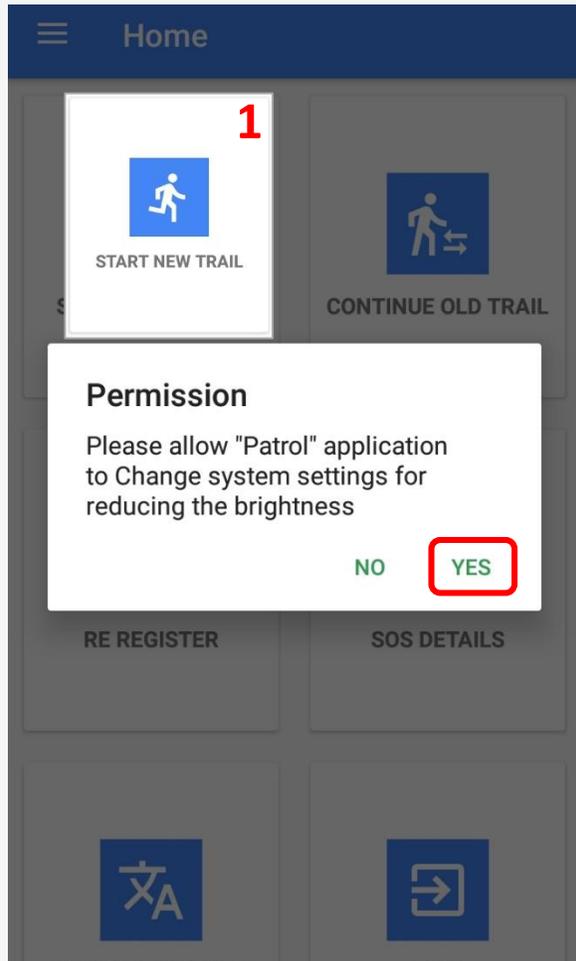


1. Initiate a patrol trail
2. To resume the last patrol trail.
3. Re-registration of the user (e.g., a forest guard transferred to a different forest division).
4. Add emergency contacts
5. You can switch to the preferred language
6. Exit



Click on the **Re-register** & fill the required details (same as Registration process)

# Initiate a new patrol



Click on **Start New Trail** & change the system setting for reducing the brightness of the mobile.

11:09 AM ...4.5KB/s

Patrolling team photograph

Take photo

Patrol Type  
Select Patrol Type

Patrol Method  
Select Patrol Method

Member Name  
Select Member Name

Designation

Team Leader

Armed  Unarmed

Arm Used

Total Members Added : 0

- Take the mandatory selfie of the patrol team
- Fill the required details (**Patrol Type, Patrol Method**)
- Select **Member Name** from the drop down
- Appoint one team leader, & concerned beat
- Mention whether **Armed** or **Unarmed**).
- Click on the **Save Details & Confirm**
- **Start Patrolling**
- Chose **Online** (with or without internet)/ **Offline** (provided available) Map

**Confirmation**

Please ensure the information entered is correct! (No modification is allowed after submission).

NO YES

Total Members Added : 1

SAVE DETAILS START PATROLLING

ONLINE MAP OFFLINE MAP

**Online Map**

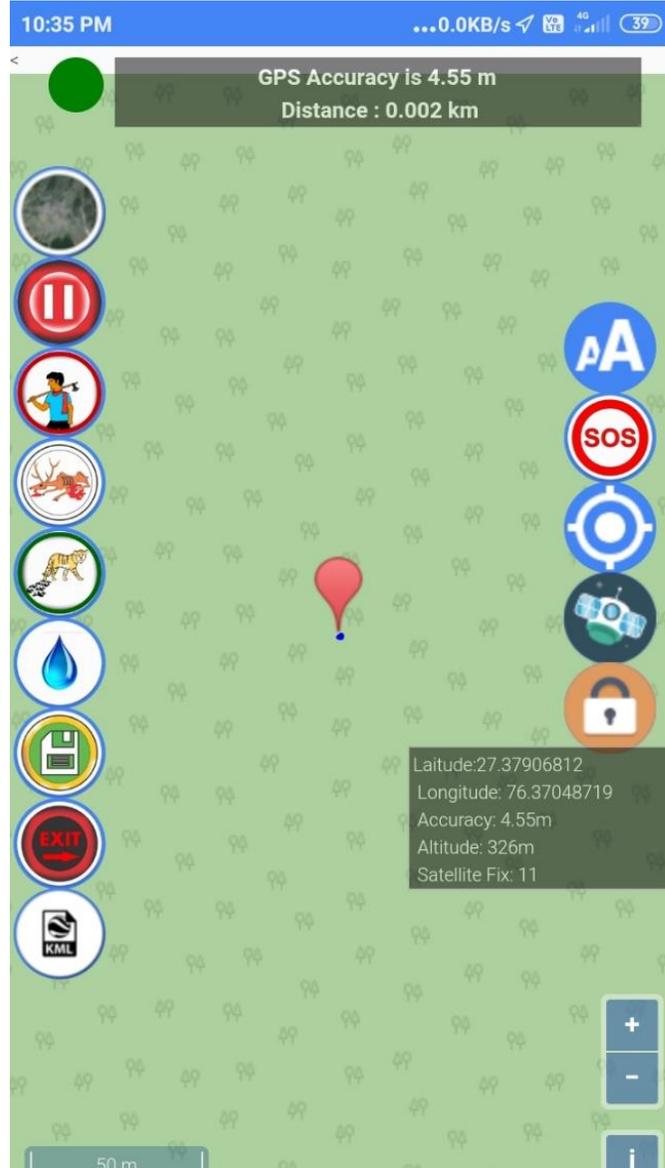
Please click online map to use data from satellite view. This would require a continuous network connectivity. In case, you are moving to an area with no network connectivity, please select offline maps.

**Offline Map**

Please click offline map to use data from your phone memory. See help file to create and load offline maps on your device. This will not work if offline maps are not pre-loaded onto your device.

\*Switching over from online to offline and vice-versa is not possible

# Introduction to the icons



Background Map (Satellite/Open street Map)



Pause/Resume survey



Human Impact form



Animal Mortality detail form



Direct & Indirect Sighting form



Water Source Detail form



For saving Patrol details and track



Exit from the trail.



For Uploading Kml file of your area



Language Change



Call for help in Emergency situations



Pointer (Your current Location)



To see the Satellite readings



Lock the screen while walking

# Human Impact Form



9:50 PM ...3.6KB/s 4G 28

### Human Impact Details



Take photo

Human Impact Type  
Select Human Impact ▼

Action Taken  
Select Action Taken ▼

Time Elapsed  
Days

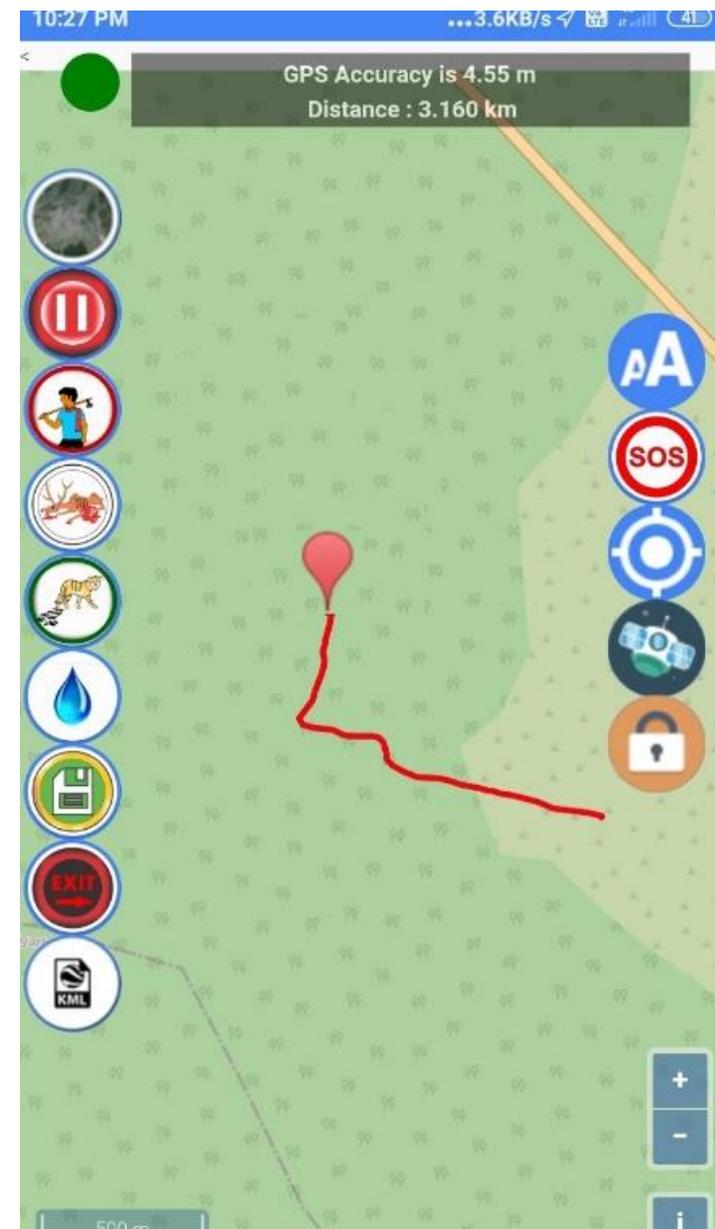
Remarks  
Enter Any Remarks Here

**SUBMIT INFORMATION**

- Select the **Human Impact Type**, **Action Taken** from the dropdown
- Mention the **Time Elapsed** in number of days
- **Take photo** if necessary (for legal action, etc.)
- Mention **Remarks** (if any)
- Click on **Submit Information & Confirm**



# Animal Mortality Form



9:52 PM ...0.0KB/s

### Animal Mortality Details

  
Take photo

Species Type  
Select Species Type

Species  
Select Species

Probable Cause of Death  
Select Cause of Death

Carcass State  
Select Carcass State

Remarks  
Enter Any Remarks Here

MALE	FEMALE	UNKNOWN
Male		
Number Of Adult Male		
Number of Sub Adult Male		
Number of Young Male		

**SAVE DETAILS**

- Select the **Species Type, Species, Probable cause of death, Carcass State** from the dropdown
- **Take photo** if necessary
- Mention the number of carcasses by their gender & age classes (Adult, Sub Adult, Young), i.e., **Male, Female, & Unknown**
- Click on **Save Details & Confirm**



# Direct & Indirect Sightings Form



11:58 PM ...0.0KB/s

Direct and Indirect Sighting

  
Take photo

Sign Type  
Select Sign Type ▼

Species Type  
▼

Species  
▼

Remarks  
Enter Any Remarks Here

**SAVE DETAILS**

- Select the **Sign Type**, **Species Type**, **Species** from the dropdown
- **Take photo** if necessary
- In case of direct sightings, mention the total number of animals, & also number of animals by their gender, i.e., **Male**, **Female**, & **Unknown**
- Click on **Save Details & Confirm**



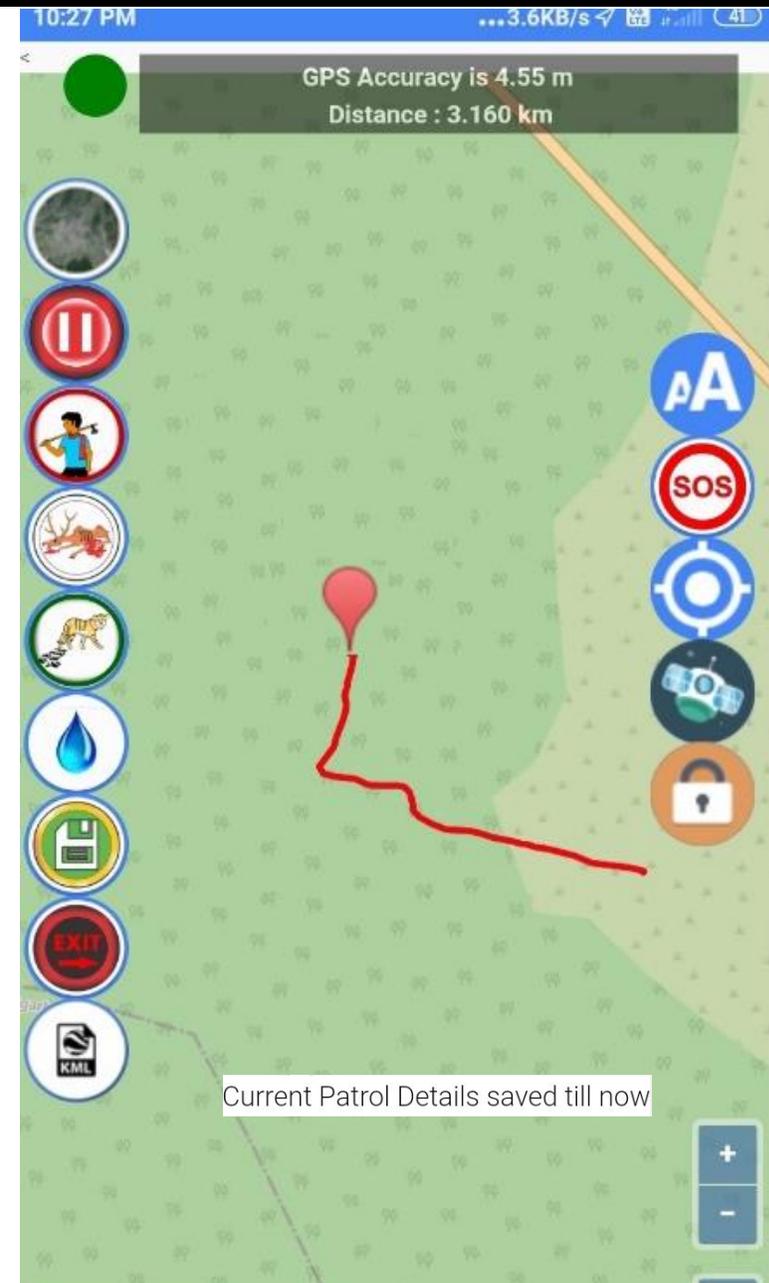
# Water Source Details Form

A screenshot of the 'Water Source Details' form. At the top, it says 'Water Source Details' and has a 'Take photo' button with a camera icon. Below that are several form fields: 'Water Source Type' with a dropdown menu 'Select Type'; 'Dry' with radio buttons for 'Yes' and 'No'; 'Percent Filled (%)' with a dropdown menu 'Clean'; 'Unwanted Human Presence' with radio buttons for 'Yes' and 'No'; 'Human Sign Observed' with a dropdown menu 'Select Human Sign'; 'Animal Presence' with radio buttons for 'Yes' and 'No'; 'Animal Sign Observed' with a dropdown menu 'Select Sign Type'; 'Species Type' with a dropdown menu; 'Species' with a dropdown menu; and 'Remarks' with a text input field 'Enter Any Remarks Here'. At the bottom, there is a blue button labeled 'SAVE DETAILS'.

- Select the **Water Source Type (Artificial / Natural)** from the dropdown
- Mentioned the state of the water source (**Dry – Yes/ No**)  
→ if yes → **Percent filled (%)**, & **Quality (Clean/ Muddy Opaque/ Turbid)**
- **Unwanted Human Presence** → **Yes / No**, if yes → **Human sign observed**
- **Animal Presence** → **Yes / No**, if yes → please mention **Animal Sign observed, Species Type, Species** from the dropdown
- Click on **Save Details & Confirm**



# Save & Exit Patrol



- After completion of the patrol, check your track on the map
- Check the Kilometer walked on the top of the screen.
- Once confirmed, please **SAVE** the patrol
- Click on **EXIT** to get out from the current patrol duty

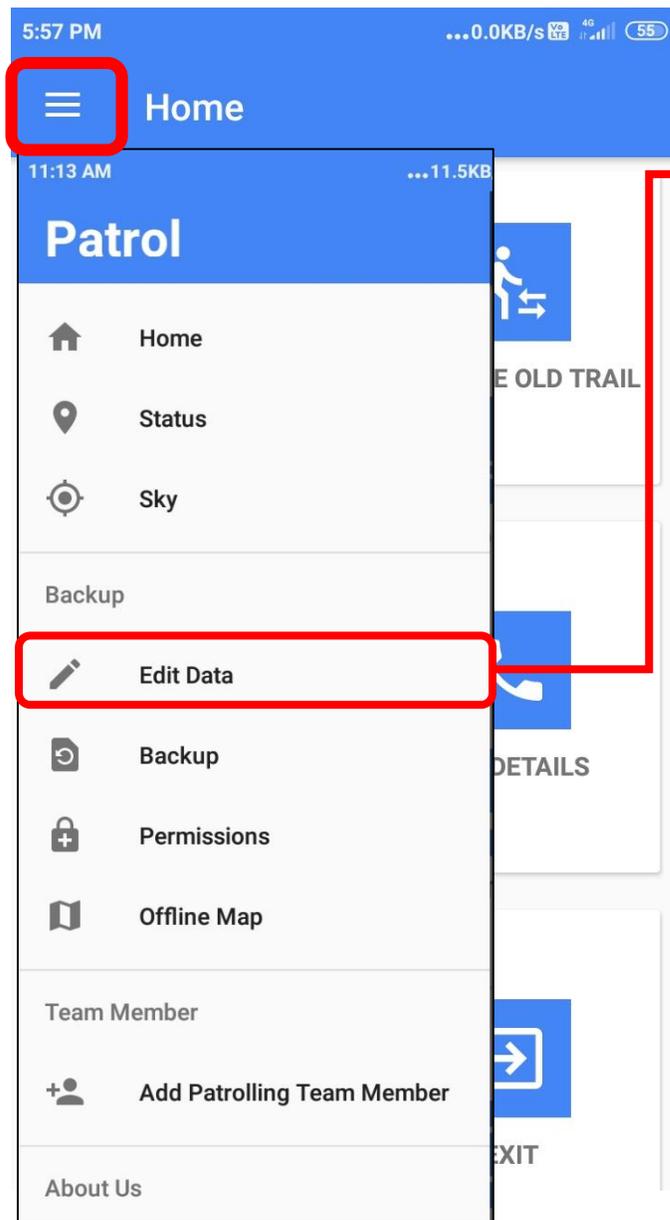
## Confirm

Do you want to stop the Patrol and exit

CANCEL

OK

# How to Edit & Delete data



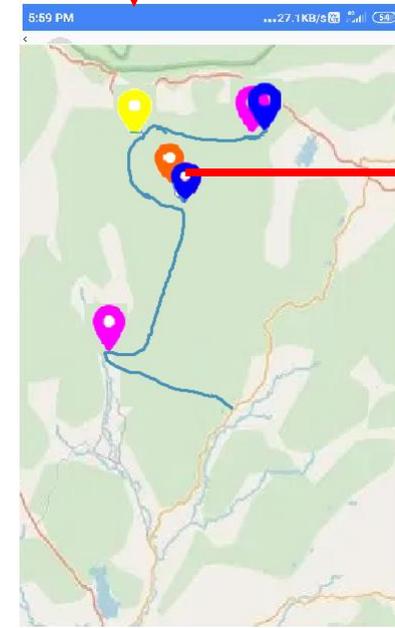
5:58 PM ...0.0KB/s 4G 55

S.No	Date	Time	Distance
1	20-04-2021	11:41:14	8.660
2	19-04-2021	13:34:22	5.563

Confirmation

Please choose an action for the Selected Patrol Track?

**TRACK** DELETE FORM



Animal Mortality **Edit**

MTime: 17:25:23

SpeciesType: Carnivore

Carcass State: Fresh

Young

- Go to **Menu** bar & select **Edit Data**
- Click on the desired trail (trails are arranged by date)
- A Confirmation box will pop-up asking for the action:  
**TRACK**: To see & edit the trail & observations on map  
**DELETE**: To delete that trail

5:58 PM ...0.0KB/s 4G 55

Animal Mortality Details

Species Type: Carnivore

Species: Leopard

Probable Cause of Death: Old age

Carcass State: Fresh

Remarks: Enter Any Remarks Here

MALE FEMALE UNKNOWN

Male: 1

Number of Sub Adult Male

Number of Young Male

SAVE DETAILS

# How to Edit & Delete data

5:57 PM Home

11:13 AM Patrol

- Home
- Status
- Sky
- Backup
- Edit Data**
- Backup
- Permissions
- Offline Map
- Team Member
- Add Patrolling Team Member
- About Us

5:58 PM

S.No	Date	Time	Distance
1	20-04-2021	11:41:14	8.660
2	19-04-2021	13:34:22	5.563

Confirmation

Please choose an action for the Selected Patrol Track?

TRACK DELETE **FORM**

- Go to **Menu** bar & select **Edit Data**
- Click on the desired trail (trails are arranged by date)
- A Confirmation box will pop-up asking for the action:  
**TRACK**: To see & edit the observations on map  
**DELETE**: To delete that trail  
**FORM**: To see & edit the observations on the table

5:58 PM

S.No	Date	Time	Id
1	20-04-2021	11:45:32	8
2	20-04-2021	11:46:36	9
3	20-04-2021	17:22:40	10

5:58 PM

**Human Impact Details**

Human Impact Type  
Bamboo Cutting

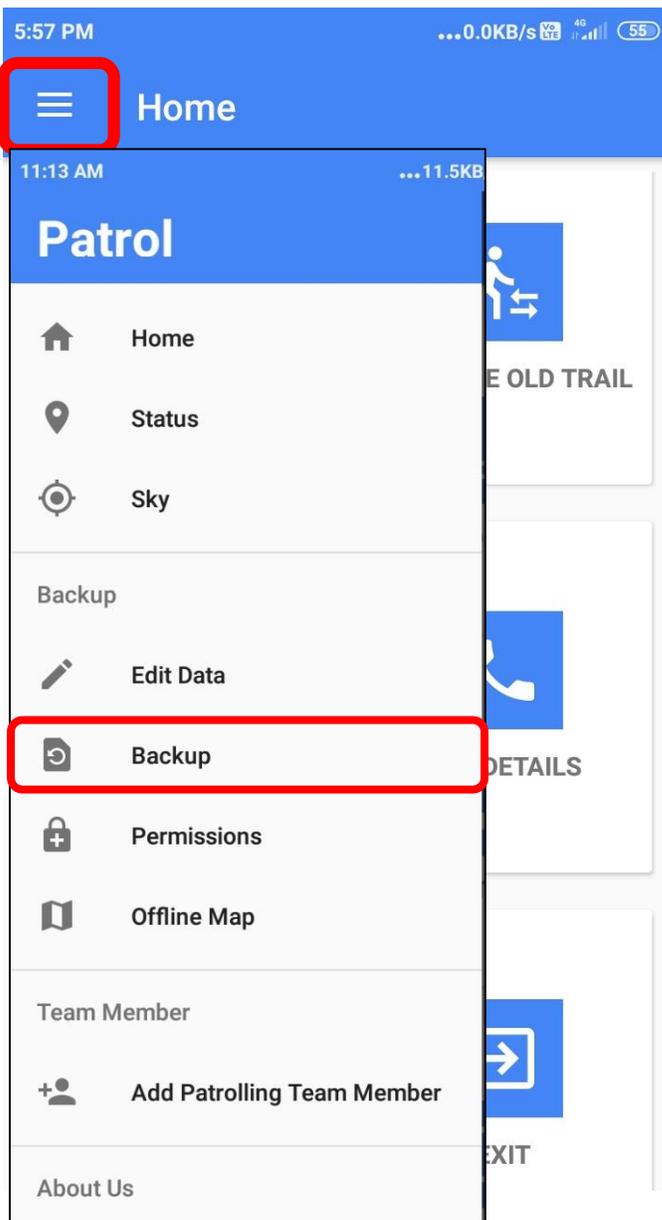
Action Taken  
Fined

Time Elapsed  
p

Remarks  
Enter Any Remarks Here

SUBMIT INFORMATION

# How to take Backup of the data



- It is desirable to take **Backup** of the data twice in a week.
- The backup will be stored in the **Internal storage** of your mobile with a name '**MSTripes\_Patrol**'
- To import the data on **MSTripes Desktop**, you need to use this folder.

