

National Workshop on MIS, Geo-tagging & IEC Activities Under PMAY(U)

11-12 December, 2018

**Mechanism for Moderation of geo-tagged images
by Supervisors using “BhuvanHFA” web portal**

*A Presentation by
Town Planning Department, Manipur*

Process of Geo-tagging in PMAY-U

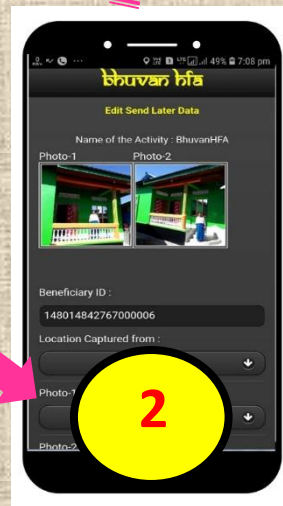
Geotagging is an important tool to monitor the progress of housing projects. A **geographical information data** will be added to each of the picture of the BLC house taken in this exercise



Moderation is the process of **Accepting** or **Rejecting** a geo-tagged point by a Supervisor (responsible officer of ULB) in accordance with norms prescribed by PMAY Geo-tagging guidelines



Surveyor




Supervisor

Step 1: Going to the Bhuvan HFA Web Portal

URL is: www.bhuvan.nrsc.gov.in/governance/housing_for_all

← → ↻ ⓘ Not secure | bhuvan-noeda.nrsc.gov.in/governance/housing_for_all ☆ ⓘ

 **Indian Geo-Platform of ISRO**

Ministry of Housing and Urban Affairs
Housing for All

Welcome User [Login](#)

Tools | [Link](#) | [Home](#) | [Help](#)


Enter City or Lat, Lon(ex:chennai or 13

Field Data Viewer

State: All
District: All
City: All

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Search By Beneficiary ID

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Map | Satellite | Hybrid | Terrain | More

Base Admin | Base Hydrology

500 km

Bhuvan 85.31, 26.00

Step 2: Log-in by the ULB Level Supervisor


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Field Data Viewer

State: All
District: All
City: All

View

Search By Beneficiary ID


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Login

Note:

Bhuvan is now using "Central Authentication Service(CAS)" to enable Single Sign-On(SSO), you can use the same log-in credential if you are already registered with Bhuvan.

Registration is optional in Bhuvan. However, some features require registration. Registered users are having privilege to share the data, collaborate with other bhuvanites, Forum etc. If not registered, it only takes a few moments to register so it is recommended you do so.

Bhuvan-Single Sign On

Username:

skakchingmc

Password:

.....


LOGIN

[Change Password?](#)

[Forgot Password?](#)


Cancel

More


PRADESH
AND
Myan
63, 19.85
mer

Step 3: Viewing Geo-tagged Points

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Field Data Viewer

State: All
District: All
City: All

Date Mode: ☐ Day ☒ Period

Start Date: February 1, 2018
End Date: December 6, 2018


Select Period

[Enable Moderation](#)

[Statistics](#) [Reports](#)

[View](#)

Search By Beneficiary ID

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500 km

Bhuvan 69.27, 26.57

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Step 3: Viewing Geo-tagged Points

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Enter City or Lat,Lon(ex:chennai or 13

Tools | [Link](#) | [Home](#) | [Help](#)

Date Mode ☐ Day ☒ Period
Start Date:
End Date:
☐ Accepted Points ☐ Rejected Points
☒ Validated Date ☐ Created Date
[Disable Moderation](#)

[Statistics](#) [Reports](#)
[Remove](#)

-  Not Started
-  Foundation
-  Lintel
-  Roof
-  Completed
-  Unauthorised

Total No of Points Found:58

Search By Beneficiary ID

Click at the Point which is to be moderated

500 m

93.98, 24.64

Step 3: Viewing Geo-tagged Points

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Enter City or Lat,Lon(ex:chennai or 13

Field Data Viewer

City **Lamsang**

Date Mode ☐ Day ☒ Period

Start Date: **January 1, 2018**

End Date: **December 6, 2018**

☐ Accepted Points ☐ Rejected Points

☒ Validated Date ☐ Created Date

Disable Moderation


Statistics Reports

Remove

- Not Started
- Foundation
- Lintel
- Roof
- Completed
- Unauthorised

Total No of Points Found:32

Housing For All Asset DETAILS



1	2	Thumbnail/View
Sl.No	3589594	
Creation Time	2018-08-30 16:20:09	
Longitude/Latitude	93.88/24.84	Analyse
Beneficiary Name	Yumnam Saratchandra Singh	
	Project of Lamsang for	

500 m

Bhuvan

93.88, 24.84

Map controls: Satellite, Hybrid, Terrain, More

Map labels: PRADESH, YANA, Base Admin, Base Hydrology

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Footer: Contact us | Disclaimer

In this window we can see:

- 1) 2 photos of the geo-tagged point
- 2) Beneficiary Name.
- 3) DPR Name
- 4) GPS Accuracy
- 5) UUID & User ID of Surveyor.
- 6) Detail of photograph location.
- 7) Date of Photographing
- 8) Stage of Construction
- 9) Status of Infrastructure
- 10) Occupancy Status
- 11) Any Anomaly reported by Surveyor
- 12) Moderation History

Step 3: Viewing Geo-tagged Points

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Housing For All Asset DETAILS

Enter City or Lat,Lon(ex:chennai or 13)

Stage-wise Thumbnail Preview

Field Data Viewer

City: Lamsang

Date Mode: ☐ Day ☒ Period

Start Date: January 1, 2018

End Date: December 6, 2018

☐ Accepted Points ☐ Rejected Points

☒ Validated Date ☐ Created Date

Disable Moderation

Statistics Reports

Remove

Not Started
Foundation
Lintel
Roof

2018-08-30:Completed Distance : 6 m

2018-08-30:Completed Distance : 6 m

2017-06-28:Roof Distance : 8 m

2017-06-28:Roof Distance : 8 m

Sl.No	3589594
Creation Time	2018-08-30 16:20:09
Longitude/Latitude	93.88/24.84 Analyse
Beneficiary Name	Yumnam Saratchandra Singh
	Project of Lamsang for

Step 4: Moderating Geo-tagged Points

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Enter City or Lat,Lon(ex:chennai or 13

Field Data Viewer

City: Lamsang

Date Mode: ☐ Day ☒ Period

Start Date: January 1, 2018

End Date: December 6, 2018

☐ Accepted Points ☐ Rejected Points

☒ Validated Date ☐ Created Date

[Disable Moderation](#)

Statistics Reports

[Remove](#)

- Not Started
- Foundation
- Lintel
- Roof
- Completed
- Unauthorised

Total No of Points Found:32

Ministry of Housing and Urban Affairs

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Map | Satellite Hybrid Terrain More

Base Admin Base Hydrology

Capture Location	Door Step (DS)
Photo1 Captured From	Right
Photo2 Captured From	Left
Construction Type	New House
House Type	Semi-Pucca (Asbestos or Steel Sheet or Tiled)
Construction Stage	Completed
Electricity	Yes
Water	Yes
Sewerage	No
Occupation Status	Vacant
Any Other Details	
Deprived Field	

[Accept](#) [Reject](#)

2018-08-30 2017-06-28 2017-05-16

2017-04-10 2017-04-10

500 m

Bhuvan

93.87, 24.83

Major Conditions for Accepting:

- 1) GPS accuracy $\leq 10\text{m}$
- 2) Photo should not be taken from a far distance from the house
- 3) Photo of house should be clearly visible.
- 4) No mismatch between photo and the construction stage.
- 5) No mismatch of photo captured locations for various construction stages.

If the Moderator is Rejecting a Point, a reason should be compulsorily written

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Blue:- Yet to be moderated

Green:- Moderated as Accepted

Red:- Moderated as Rejected (can be Auto also)

2nd Level Moderation by State Level Moderator


2nd Level Moderation is required if:

- ❖ City Moderator Reports that an improperly geo-tagged point has been Approved.
- ❖ State Level Moderator or Central PMU of PMAY(U) discovers that an improperly geo-tagged point has been Approved.
- In Manipur, the State Mission Directorate (SMD) checks each and every geotagged point of a town, which is submitted as a list along with request for release of fund.
- If any improperly geo-tagged point is observed, the same is communicated to the EO of the town.
- Afterwards, the EO communicates in writing to the SMD, the list of such beneficiaries with ID and the anomaly.
- Then the SMD (State Moderator) undertakes 2nd Level Moderation to Reject, with the Reason as given in EO's communication.


2nd Level Moderation by State Level Moderator

State Log-in Credentials

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Enter City or Lat,Lon(ex:chennai or 13 

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Field Data Viewer


State:

District:

City:

Date Mode: ☐ Day ☒ Period

Start Date: [Select Date](#) 

End Date: [Select Date](#) 

[Enable Moderation](#)


[Authorize City Supervisors & Surveyors](#)

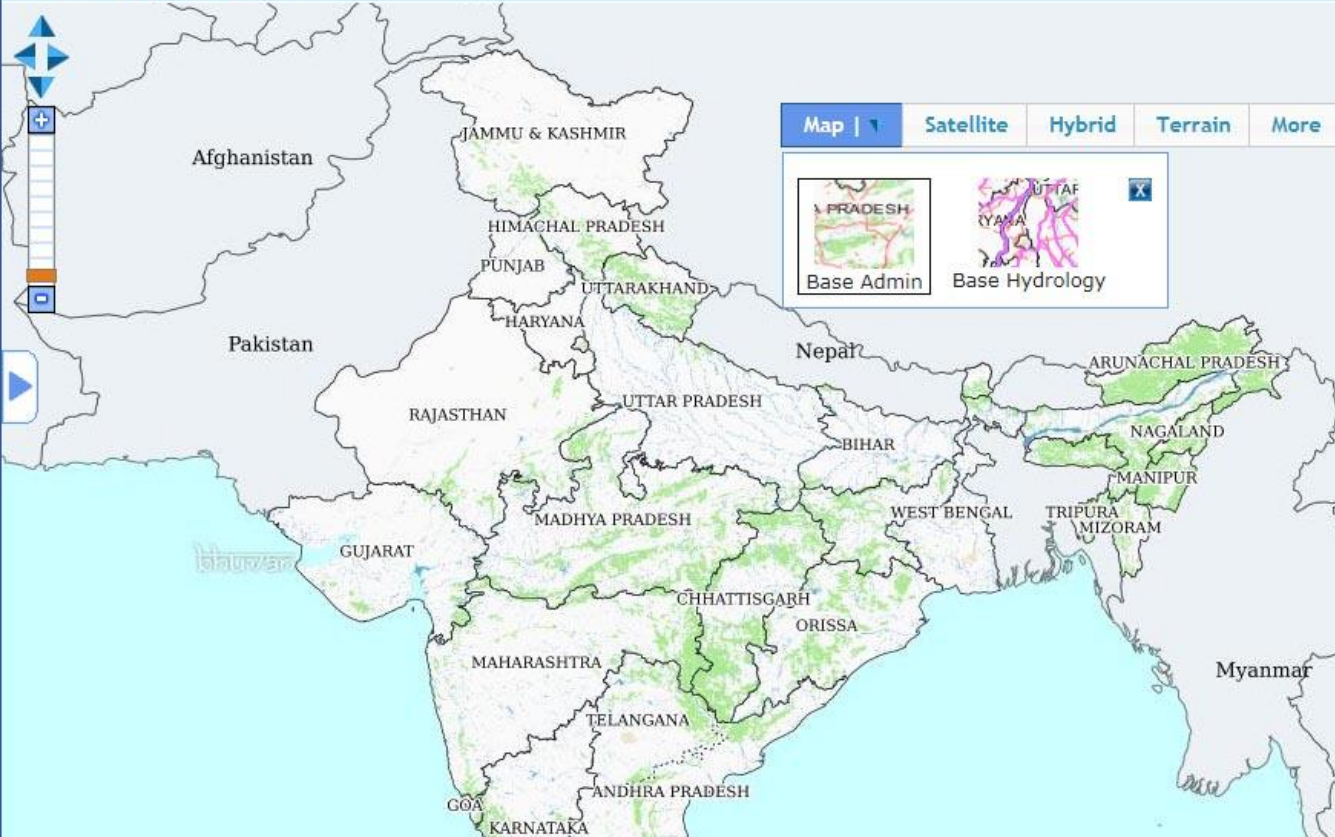
[Level-2 moderation](#)

[Statistics](#) [Reports](#)

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Search By Beneficiary ID

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Map | ☒ Satellite ☐ Hybrid ☐ Terrain ☐ More

Base Admin Base Hydrology

2nd Level Moderation by State Level Moderator

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Level 2 Moderation







Records: 10

SNO	Beneficiary ID	House Type	Construction Stage	Time	Accuracy	Validated By	Validated on	Link	Image1	Image2	Reject
Filter by SNO	Filter by Beneficiary	Filter by House Type	Filter by Cons	Filter by Tin	Filter by Acc	Filter by Vali	Filter by Valic				
1016193	148014793203100110	Semi-Pucca (Asbestos or Steel Sheet or Tiled)	Foundation	2017-11-14 11:54:34	4	sthoubalmc	2017-11-20 13:56:10.634	view in map			
1017963	148014793203100045	Semi-Pucca (Asbestos or Steel Sheet or Tiled)	Lintel	2017-11-14 15:22:24	5	sthoubalmc	2017-11-20 13:52:09.005	view in map			
1017982	148014793203100021	Semi-Pucca (Asbestos or Steel Sheet or Tiled)	Roof	2017-11-14 15:24:24	4	sthoubalmc	2017-11-20 13:51:14.171	view in map			
1017998	148014793203100001	Semi-Pucca (Asbestos or Steel Sheet or Tiled)	Roof	2017-11-14 15:31:56	4	sthoubalmc	2017-11-20 13:50:52.206	view in map			

2nd Level Moderation by State Level Moderator

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Level 2 Moderation ↻ Records: 10 ▼

SNO	Benificiary ID	House Type	Construction Stage	Time	Accuracy	Validated By	Validated on	Link	Image1	Image2	Reject
Filter by SNO	148014793202900	Filter by House Type	Filter by Cons	Filter by Tim	Filter by Acc	Filter by Valid	Filter by Valid				
299357	148014793202900083	Semi-Pucca (Asbestos or		2017-05-17			2017-05-22	view			
4336220	148014793202900083										

Enter Reason For Rejection

This is not properly geotagged

close

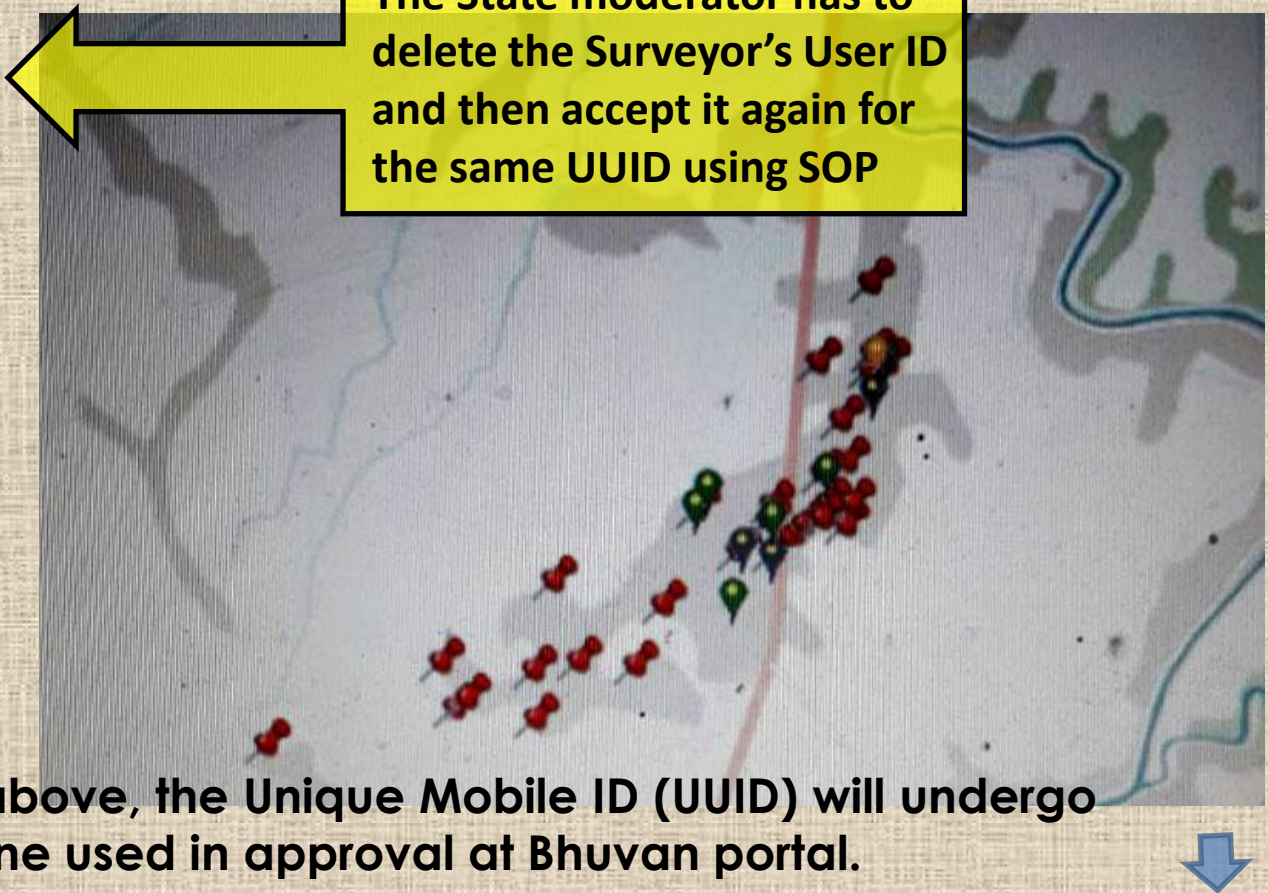
Reject



Issue of Photographs taken with Registered User ID of Surveyor turning Unauthorized.

Many a times, geo-tagged points taken by Surveyors using registered User IDs are turning to **“Unauthorized”** points. The following may be the reasons:

1. Due to some problem/s at Bhuvan portal;
2. Due to formatting of device (i.e., the mobile phone) by the Surveyor;
3. Due to usage of more than one device by the Surveyor, with the same registered User ID.

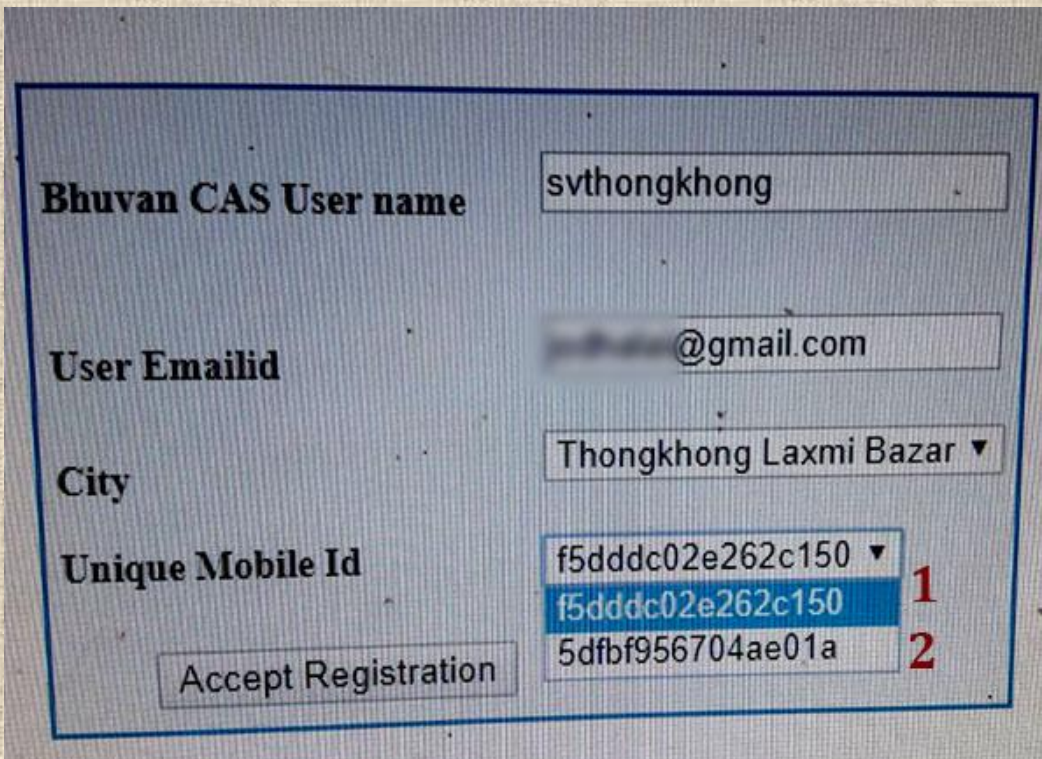


The State moderator has to delete the Surveyor's User ID and then accept it again for the same UUID using SOP

In the case of 2 & 3 above, the Unique Mobile ID (UUID) will undergo change/s from the one used in approval at Bhuvan portal.

Issue of Authorized Points taken with Registered User ID of Surveyor turning Unauthorized.

Solution for Sl. No. 2 & 3 Above:



Bhuvan CAS User name svthongkhong

User Emailid [redacted]@gmail.com

City Thongkhong Laxmi Bazar ▼

Unique Mobile Id

f5dddc02e262c150 ▼ **1**

f5dddc02e262c150

5dfbf956704ae01a **2**

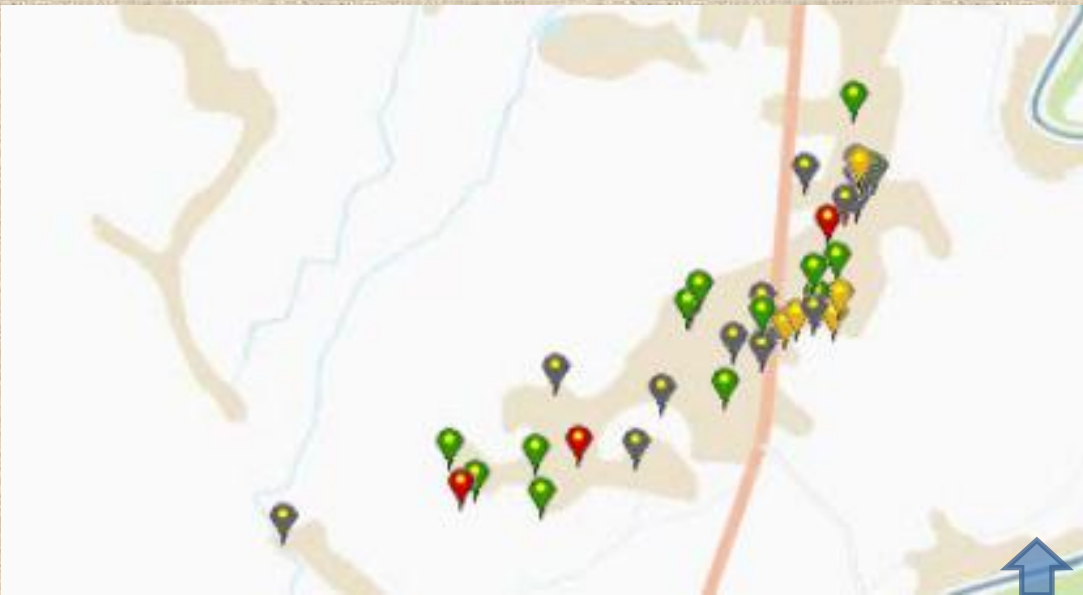
Accept Registration

- ❑ Owing to formatting of the device or usage of more than one device (with same registered User ID), there will be at least one more UUID, which is different from the one used when the Surveyor User ID was first Registration at Bhuvan portal.
- ❑ the State moderator has to accept the same Surveyor ID with the other UUID (or even more) as per the SOP. Please see the 2 UUIDs for the same User ID “**svthongkhong**”.

Issue of Authorized Points taken with Registered User ID of Surveyor turning Unauthorized.

When both (or more) UUIDs are approved by the State moderator, the User ID will appear more than once (one for each UUID) as shown below. The User ID “**svthongkhong**” is appearing twice for the 2 UUIDs:

Sugnu	sugnumc	supervisor
Sugnu	ssugnumc	1 : supervisor
Thongkhong Laxmi Bazar	svthongkhong	surveyor
Thongkhong Laxmi Bazar	spthongkhong	supervisor
Thongkhong Laxmi Bazar	sv2thongkhong	surveyor
Thongkhong Laxmi Bazar	svthongkhong	2 surveyor
Thoubal	thoubalmc4	supervisor
Thoubal	sthoubalmc	surveyor
Thoubal	thoubalmc3	surveyor



- ❑ To reduce any errors from the devices, we advise the ULBs not to register their personal mobile devices for geo-tagging exercise.
- ❑ A dedicated mobile device for each Surveyor is used, which is not installed with any extra apps, games, programmes etc. which can potentially harm the mobile device.
- ❑ Also, the Surveyors are instructed to use only one mobile device for a particular Surveyor User ID.

Thank You!