

18.3.1 General Tools

General tools and search functionality are on the header (in the page upper part). These tools are mainly for navigating around the map and performing basic operations e.g., measuring, printing, searching based on House Number, BIN, Places and Roads.

Table 18- 1 General Tools Available on IMIS Web Map

Zoom In



Allows to Zoom In within the map

Info



Provides the info of the selected item

Measure Distance



Measure the distance of the line drawn

Help



Displays the Help page

Zoom Out



Allows to Zoom Out within the map

Coordinate Information



Shows the longitude and latitude of the selected location

Measure Area



Measure the area of the polygon drawn

Find Nearest Road



Finds the Nearest road from the marker

Municipality



Allow to zoom to Municipality

Locate Point by Coordinate



Shows the longitude and latitude of the searched location

Print



Prints the visible area of the map

Find Buildings to Containment



Displays Buildings Connected to Containments

**Finding
Containments to
Building**



Find Containments
Connected to Buildings

Remove Markers



Remove all the active
tools

**Finding Associated
Buildings**



Finding Building
associated with Other
Building

Ward Outline



Search the ward

Add roads



Add New Road on the
Map

Search



Search BIN, House
Number, Places, and
Roads by name

a) Info

- Zoom to an area of interest using navigation tools such as Zoom In, Zoom Out & Navigate (Pan).
- Click on Info to activate it.
- A pop-up containing a list of layers is displayed.
- Select the desired layer and then click at the desired point location of interest.

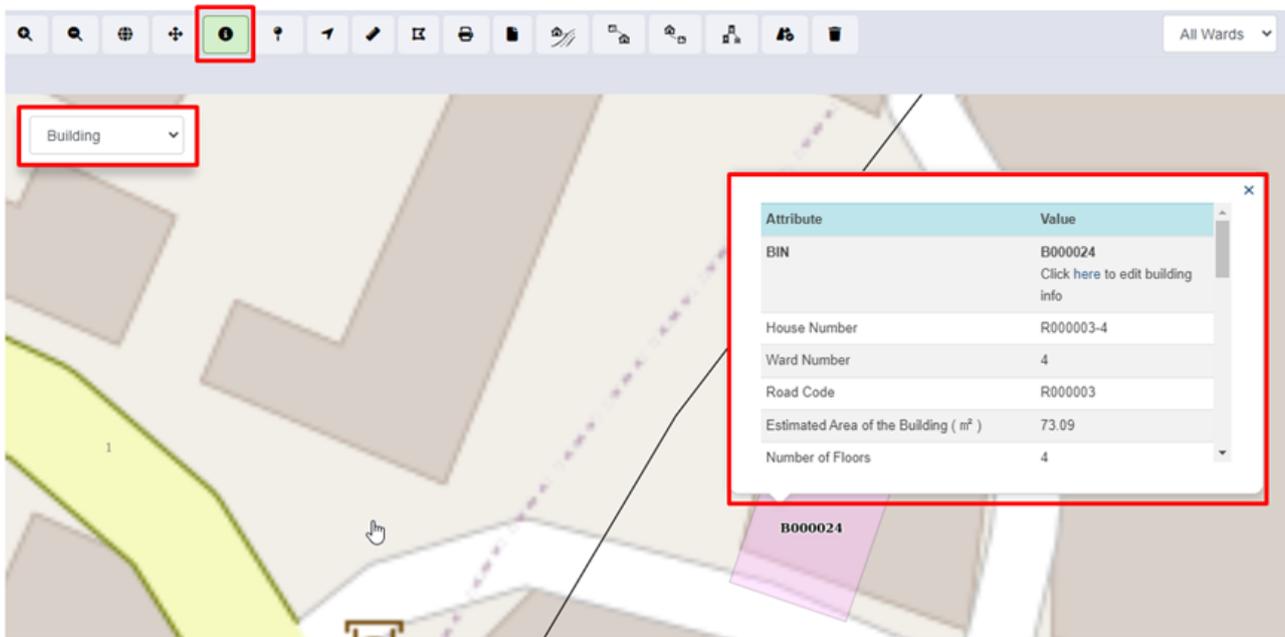


Figure 18- 3 Map Info

Overview:

- Users can see the Attributes and Corresponding Values of the desired layer.
- This tool displays detailed attribute information of the selected layer at the point clicked on the Map. If there are no data layers at a clicked point, no information will be returned. Information will be displayed at the bottom of the map.

b) Coordinate Information

- Zoom to an area of interest using navigation tools such as Zoom In, Zoom Out, and Navigate (Pan).
- Click on the '**Coordinate Information**' tool to activate it.
- Click on the '**Coordinate Information**' tool to deactivate it.
- Click on a location on the map to get coordinate information of that clicked point.

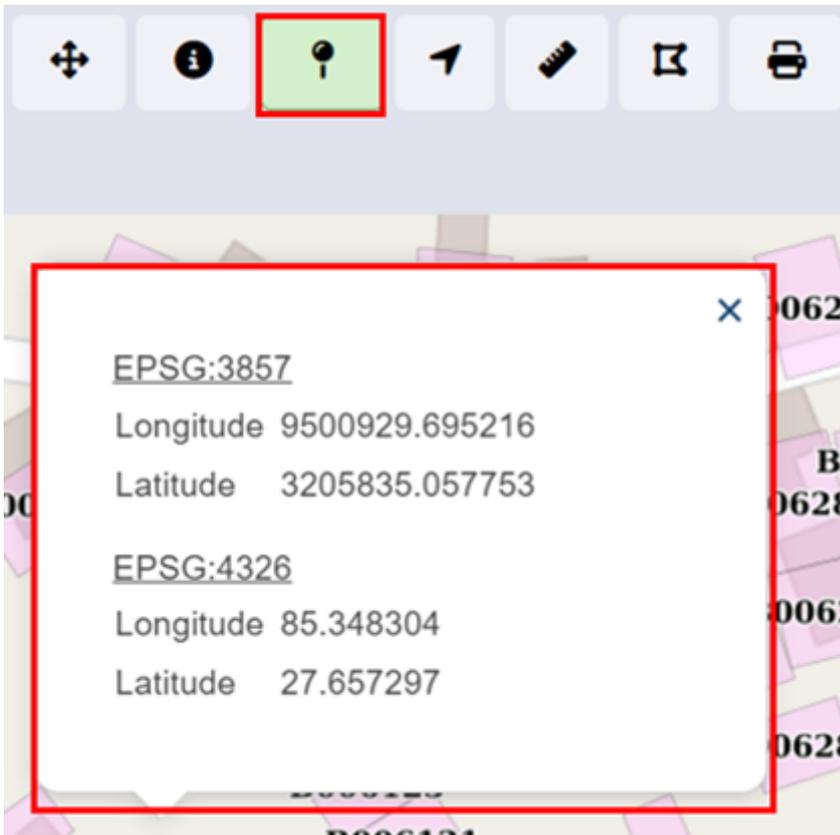


Figure 18- 4 Coordinate Information

Overview:

- This tool will provide coordinate information of a clicked point on a map. Coordinates information is provided in two coordinate systems (EPSG: 3857 & EPSG: 4326).

c) Locate Point by Coordinate

- Activate the tool by selecting it.
- Fill in the necessary longitude and latitude information on a point of interest.
- Click on the **Search** button and the point is located on the map.

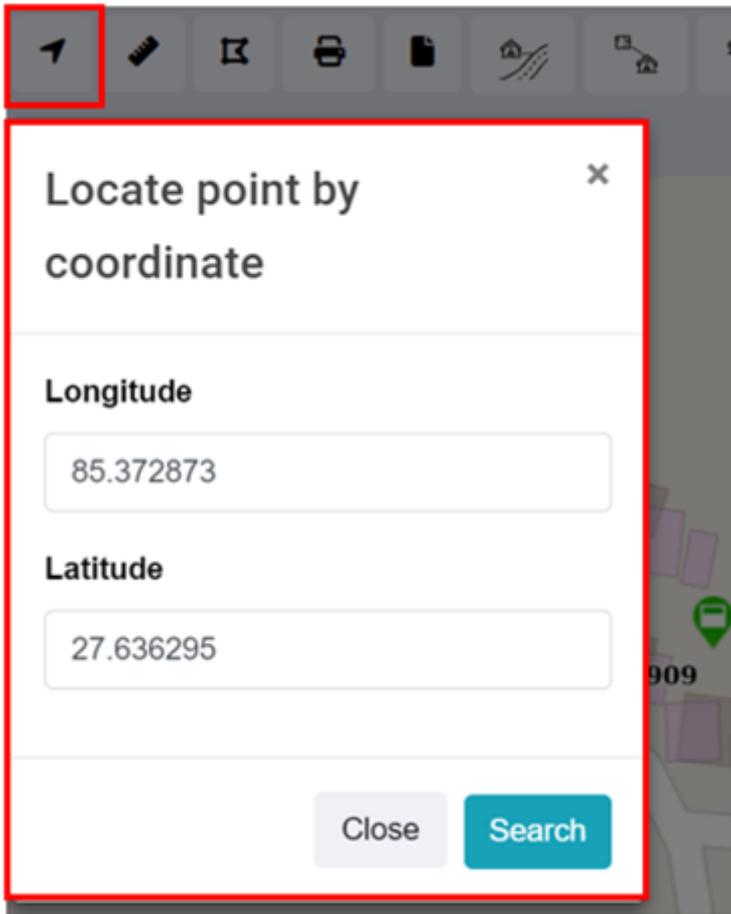


Figure 18- 5 Locate Coordinates by Point

d) Measure Distance

- Zoom to an area of interest using navigation tools such as Zoom In, Zoom Out, and Navigate (Pan).
- Click on the '**Measure Distance**' tool to activate it.
- Click on a location on the map (Start Point of a line) and drag the line appearing on the map to another location (End Point line). Distance information is provided in meters. Double Click to finish.
- Click on '**Measure Distance**' again to exit the tool.

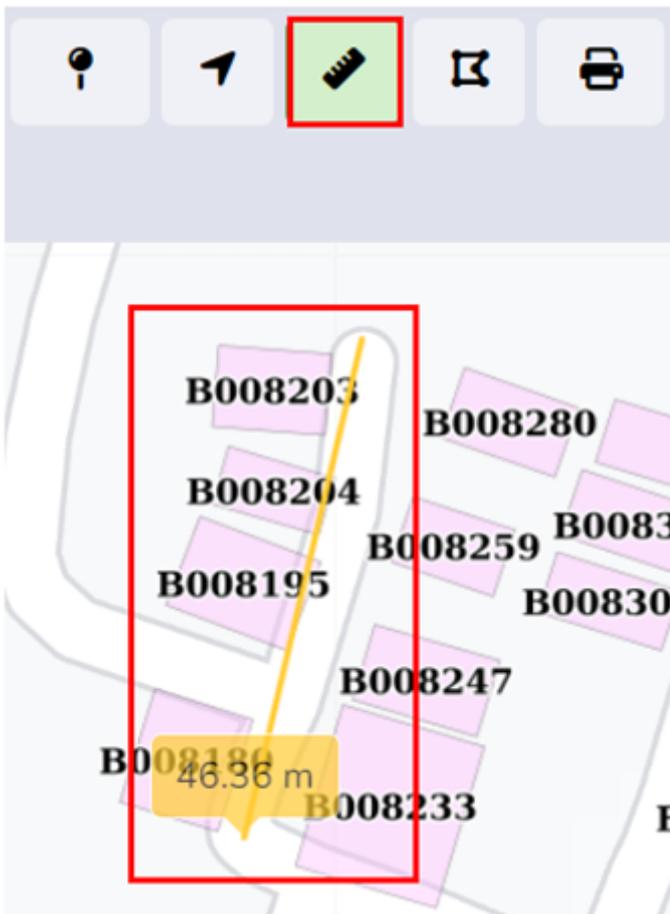


Figure 18- 6 Locate Coordinates by Point

Overview:

- This tool is useful if the user wants to measure distances on the map. E.g., the user may want to measure how far a building is from a road.

e) Measure Area

- Zoom to an area of interest with navigation tools such as Zoom In, Zoom Out, and Navigate (Pan).
- Click on the Measure Area tool to activate it.
- Click on a series of locations on the map that represent the boundary of an area. Area information is provided in square meters. Double Click to finish.
- Click on Measure Area again to exit the tool.

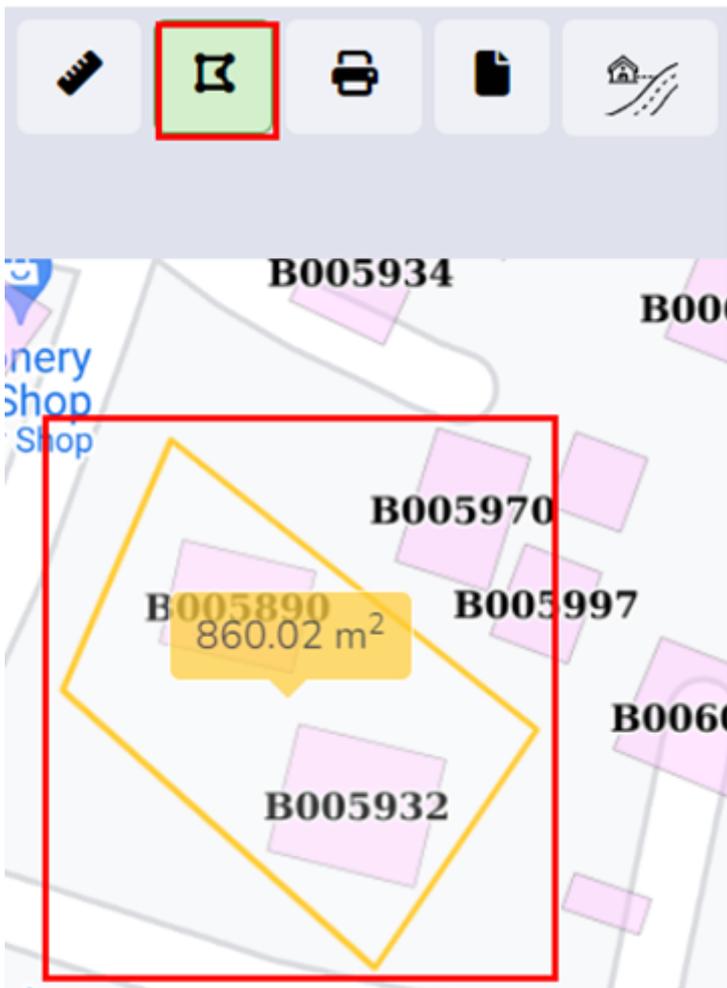


Figure 18- 7 Maps-Measure Area of Polygon

Overview:

- This tool is useful if the user wants to measure an area in the map.

f) Print

- Arrange a view on the map as desired and turn on/off data layers as desired.
- Activate the Print tool by clicking it.
- A pop-up will appear where the user needs to enter Title and Comments if any on the displayed output.
- The scale chosen determines the size of the bounding box which will encompass the map's print boundary. The bounding box can be dragged as required.
- The paper size, DPI, and orientation can also be set as desired, then Click Print.

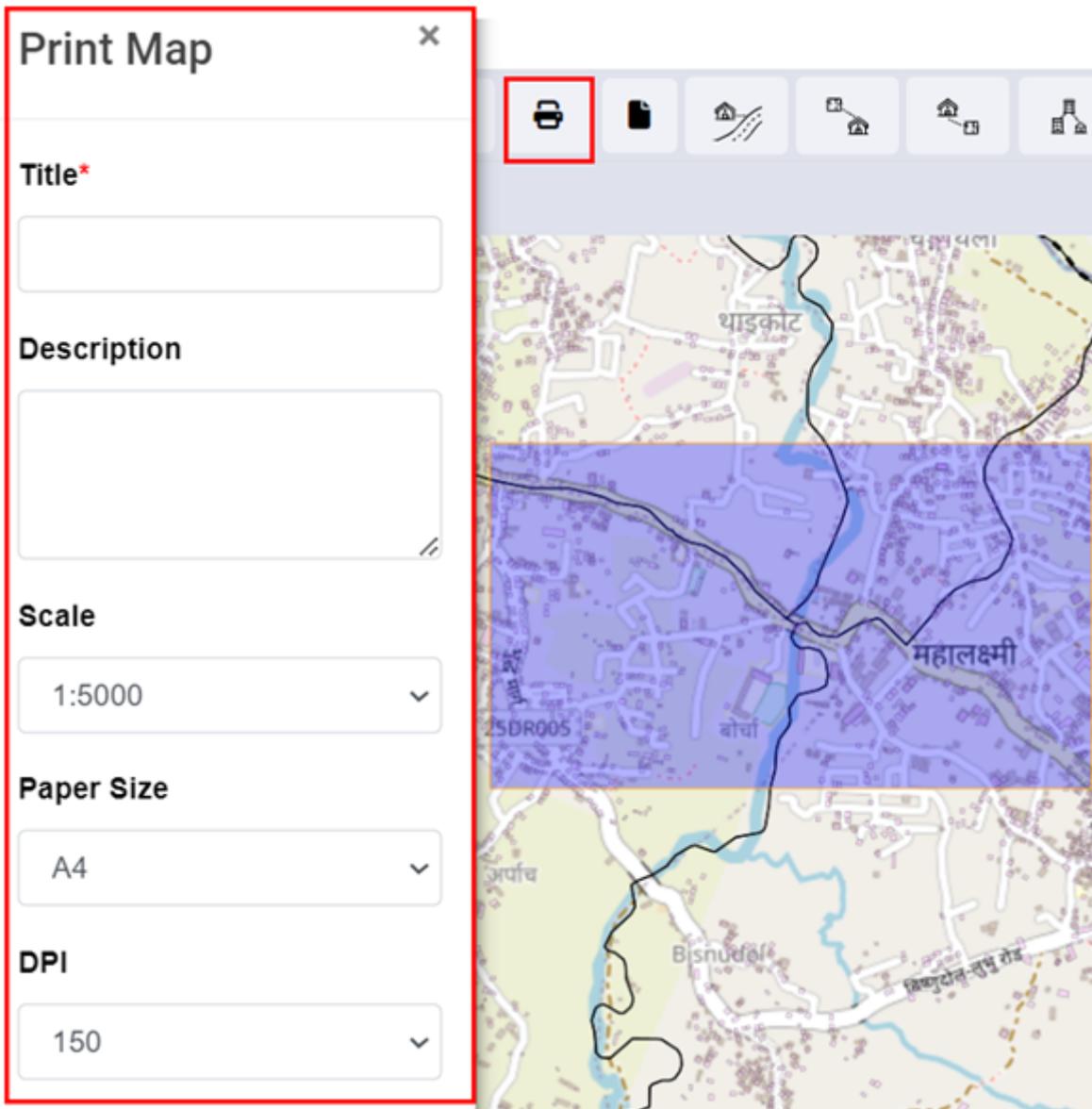


Figure 18- 8 Map Print

g) Find Nearest Road

- Toggle on building, road, and containment layers with an underlying base layer.
- Activate the Find Nearest Road tool.
- Click any point on the map. The nearest Road will be shown with a Marker. Use the Info tool to get information about the Nearest Road, if needed. Use the Measure Distance tool to get distance information between clicked location and the nearest road, if needed.
- Click the **Remove Markers** tool to get rid of markers from the map.

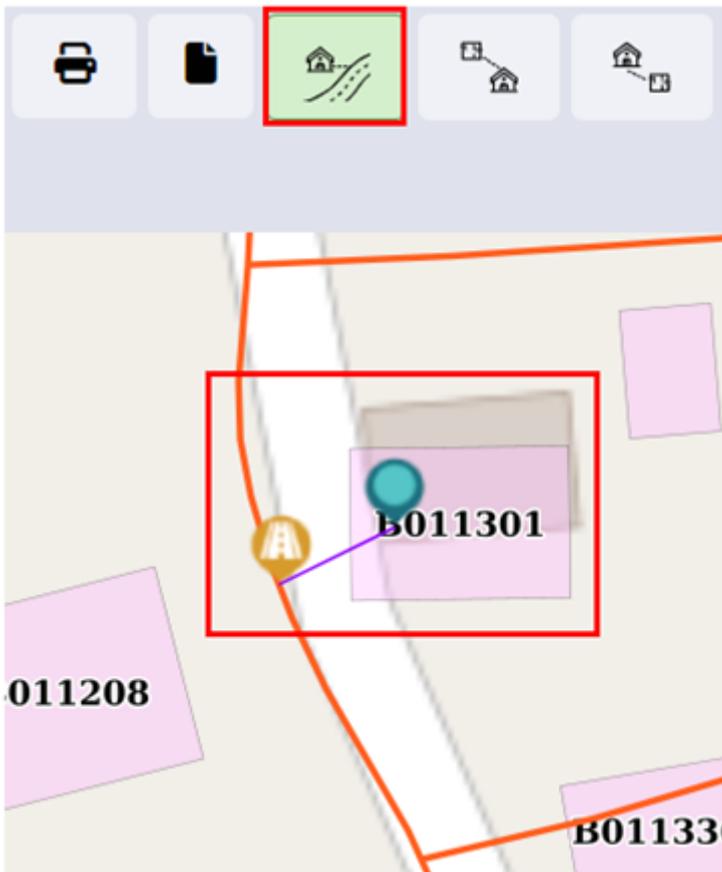


Figure 18- 9 Maps- Nearest Road

Overview

- User can **find the nearest road** from the desired location.
- h) Find Buildings Connected to Containment
- Activate the tool.
 - Select the containment for which user want to search the building for the building found is outlined.
 - Click the '**Remove Markers**' tool to get rid of markers from the map.

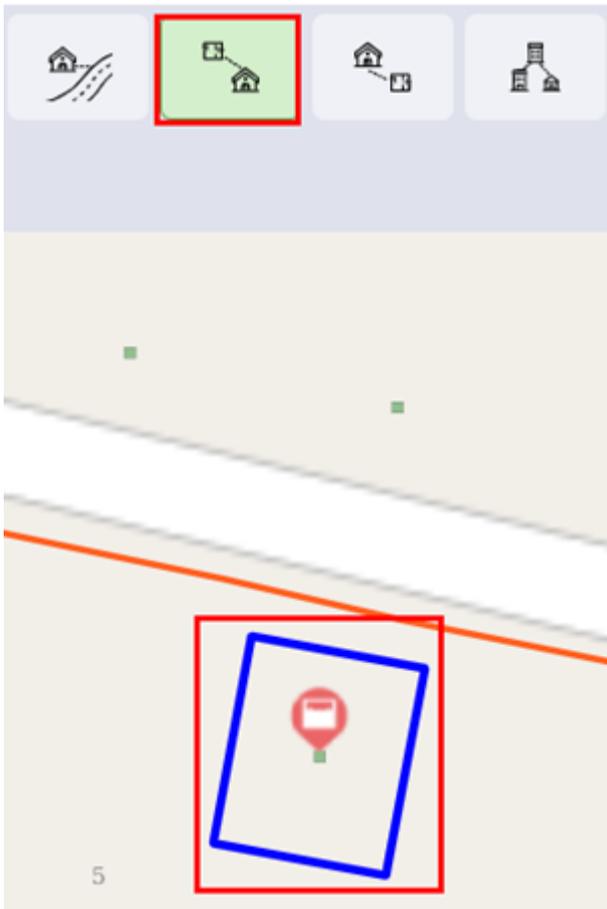


Figure 18- 10 Map- Find Buildings to Containments

Overview:

- User can find the Buildings connected to Containment.
- i) Find Containments Connected to Building
 - Activate the tool.
 - Select the building you want to search for the containment.
 - The containment is displayed via markers.
 - Click the Remove Markers tool to get rid of markers from the map.

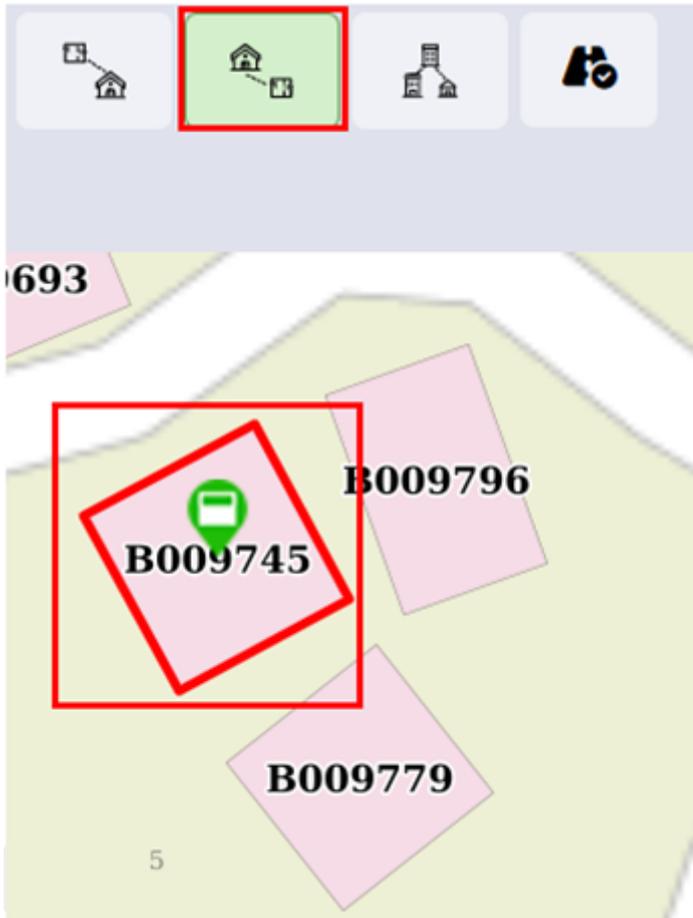


Figure 18- 11 Map- Find Containment to Building

Overview:

- User can find Containments connected to a building.
- j) Find Associated Buildings
- Activate the tool.
 - Select the main building of which you want to find associated buildings.
 - The building is displayed via markers.
 - Click the Remove Markers tool to get rid of markers from the map.

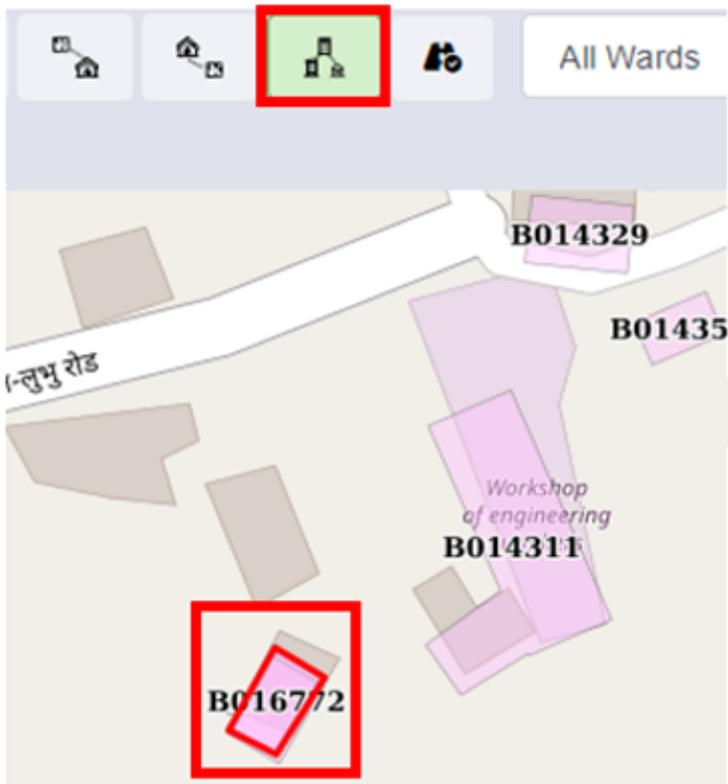


Figure 18- 12 Map- Find Associated Building

Overview:

- Users can find the Associated Building.
- There can be situations where there are multiple small buildings that serve as auxiliary buildings to the main building. It can be a house-help quarter, guard quarters, or such.
- This tool allows the user to identify all associated buildings of the main building.

k) Add roads

- Activate the add road tool.
- A navbar will pop up with tools under the tool row.



Figure 18- 13 Map- Add Roads

- For reference chapter 14.2.2

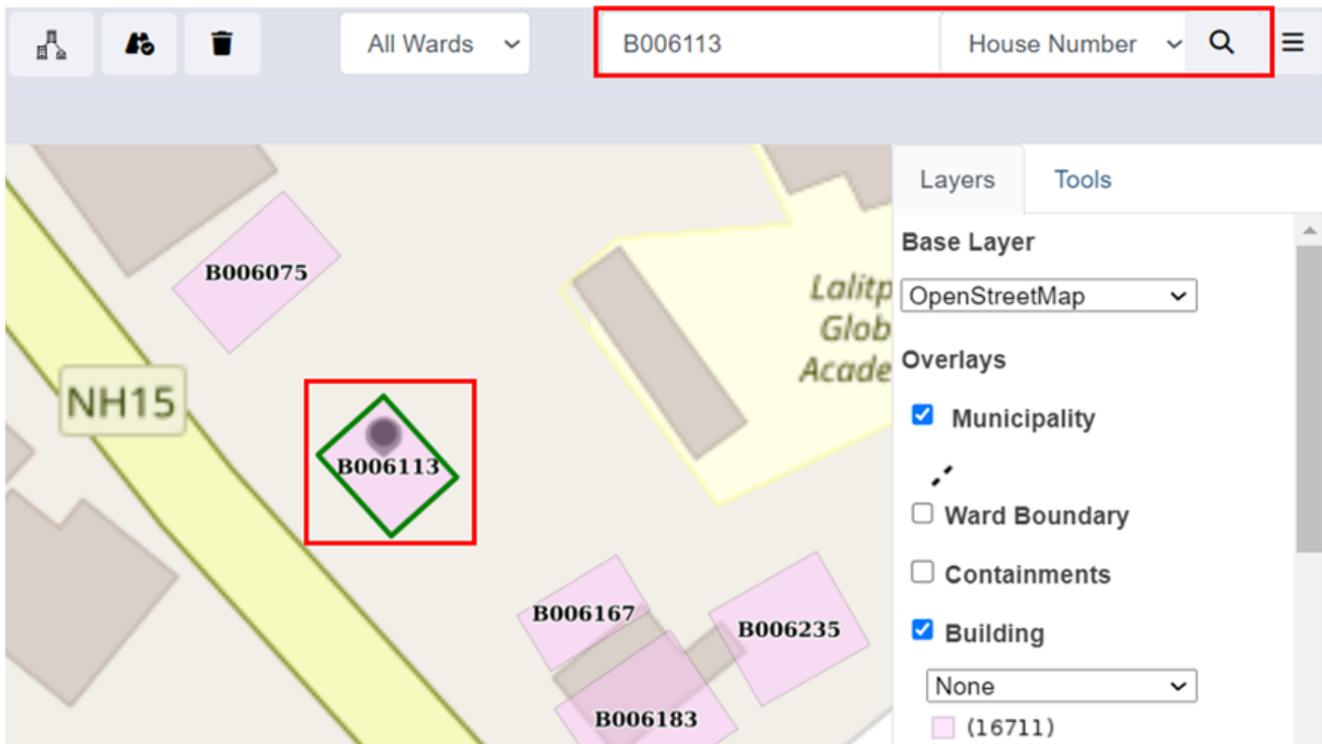


Figure 18- 15 Map- Search using BIN Code

Overview:

- Users can search specific roads, buildings, and places.
- If the user wants to navigate to a specific location (E.g., specific road, specific building based on Holding No.) in the map, search tools are extremely beneficial.
- The search tool provides a criterion to search for a specific building based on criteria such as BIN, Holding No, Tax Code, Landmarks, or Road code.

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