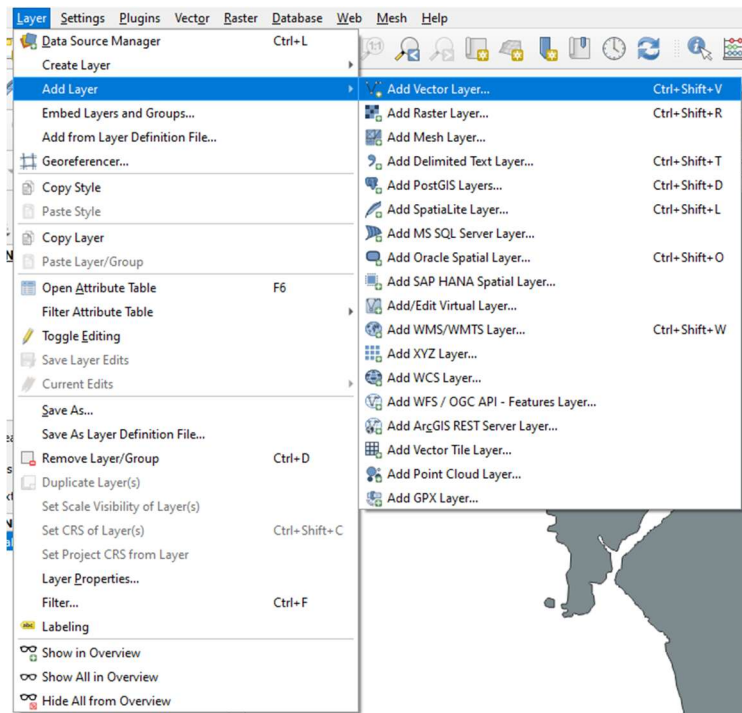
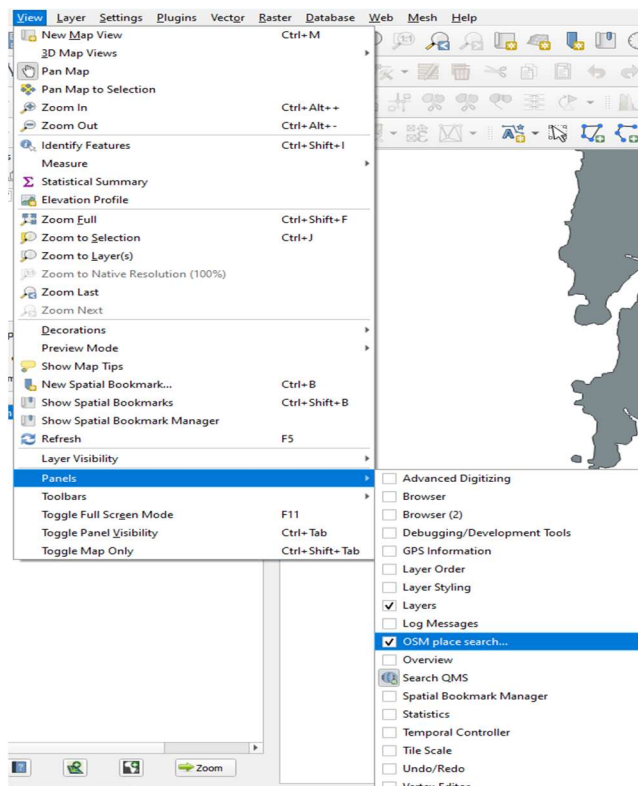


Practical 6

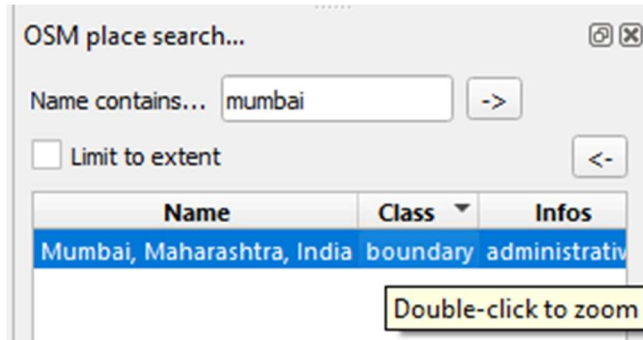
Step 1:- Go to “Layers”>Add Layers>Add Vector layer>Browse the file >click on add >close.



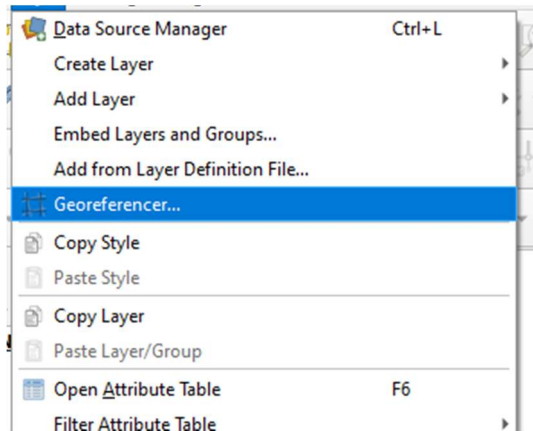
Step 2:- Go to view>Panel>OSM place search.



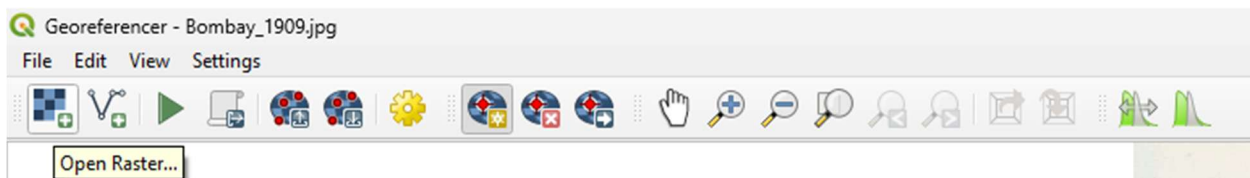
Step 3:-Search “Mumbai” and select the required place from the list. The map will be displayed on the screen.



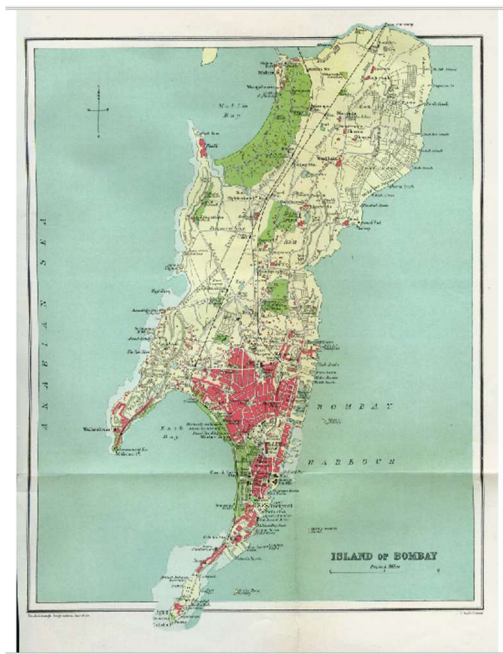
Step 4 :- Go to Layer > Georeferencer



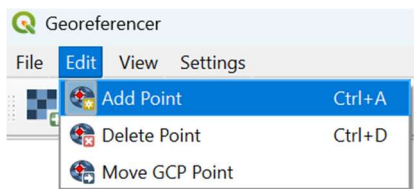
Step 5:- This screen will pop up .Click on “Open Raster”.



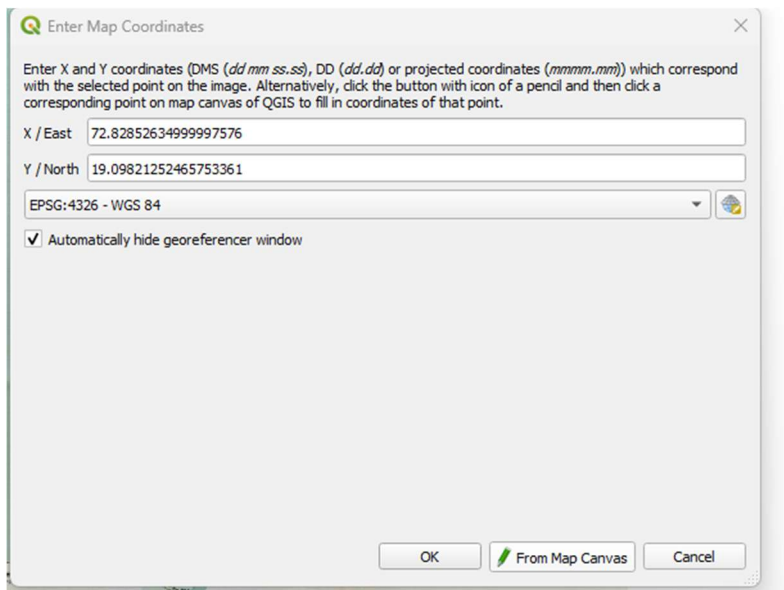
Step 6: Select Bombay 1990 map .The map will be displayed on the screen.



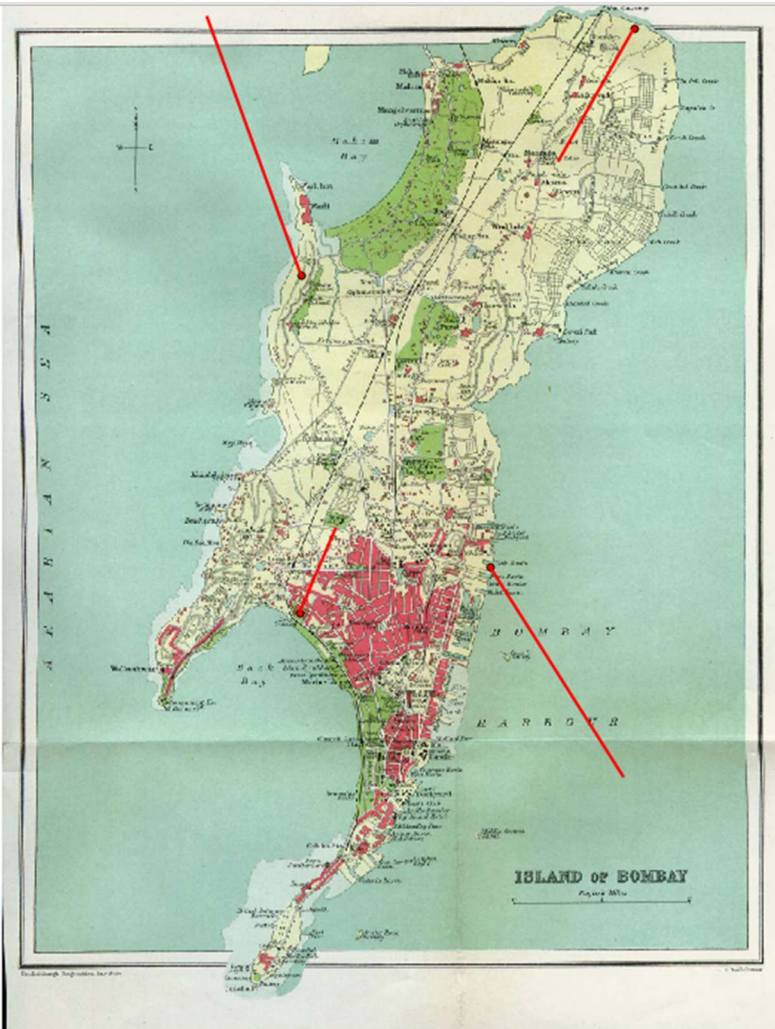
Step 7:-Go to “Edit”>Add point



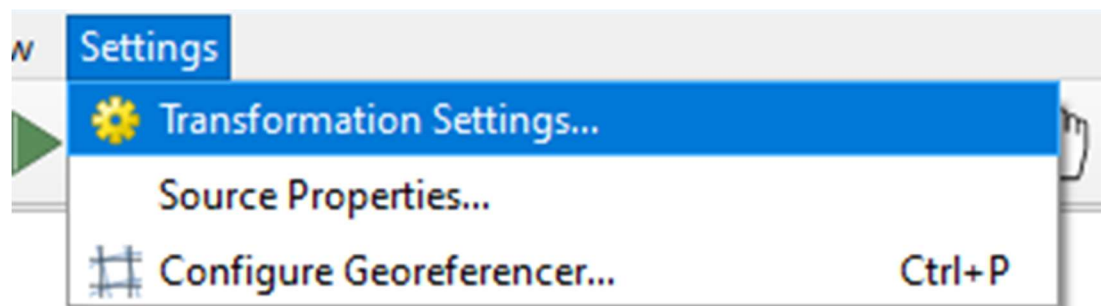
Step 8:- Select the coordinates from the map by clicking on a specific point on the map.



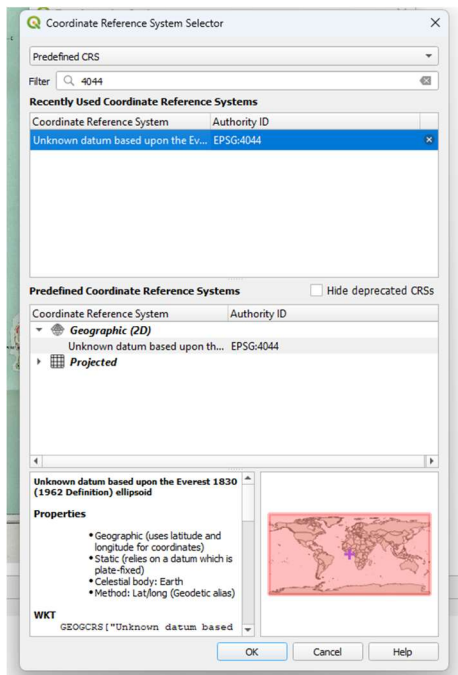
Step 9:-After adding the points the map will look like this on the screen



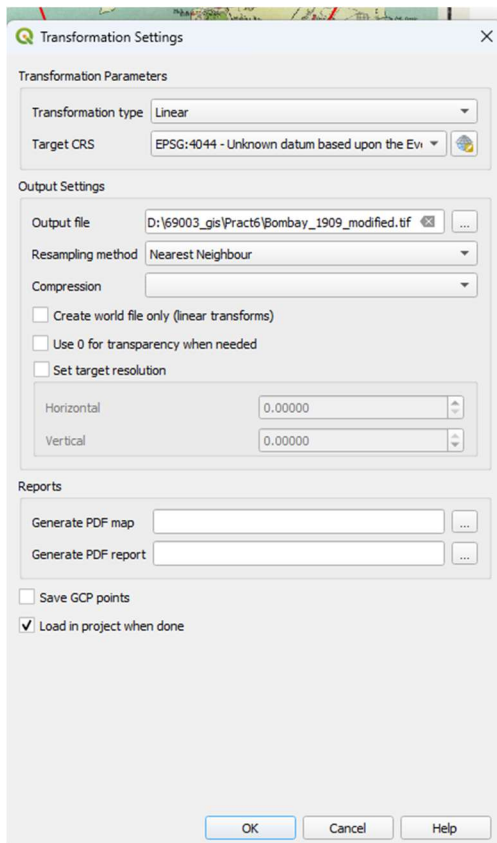
Step 10:-Go to “Transformation Settings”.



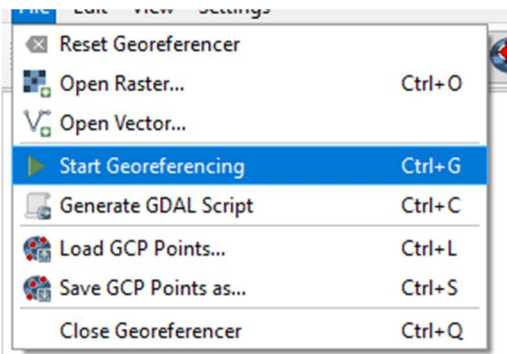
Step 11:- Select coordinates as shown below.



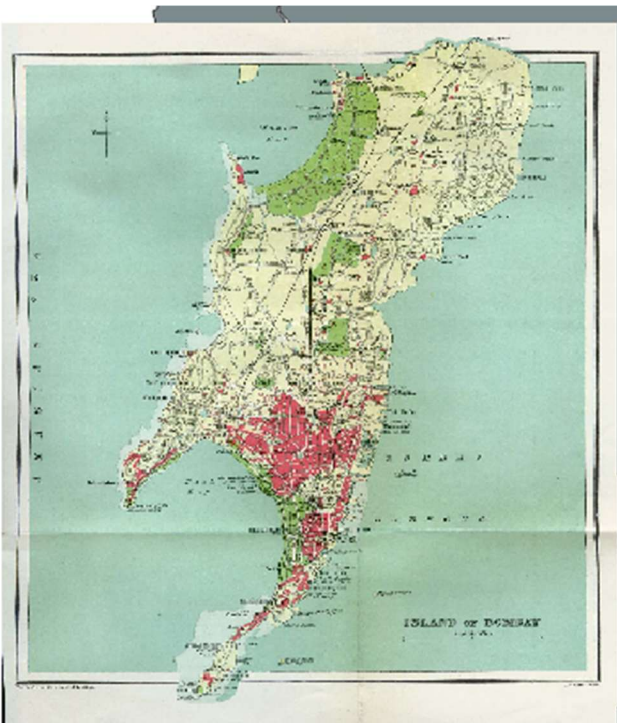
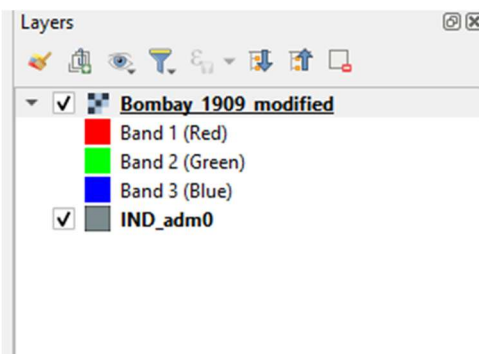
Step 12:- fill the details as shown below.



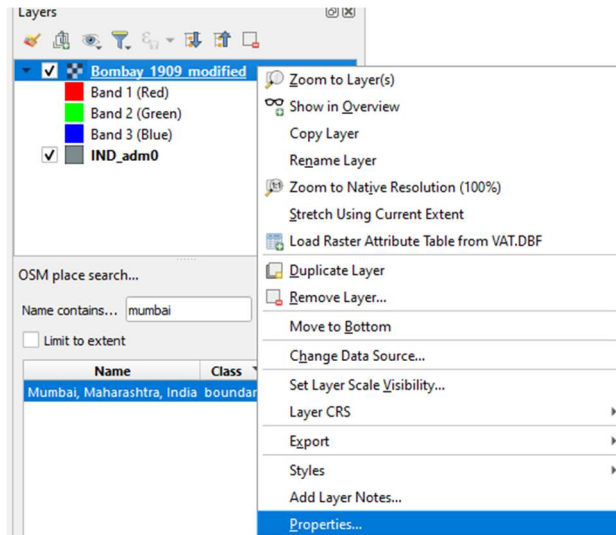
Step 13:-Go to file >Start Georeferencer.



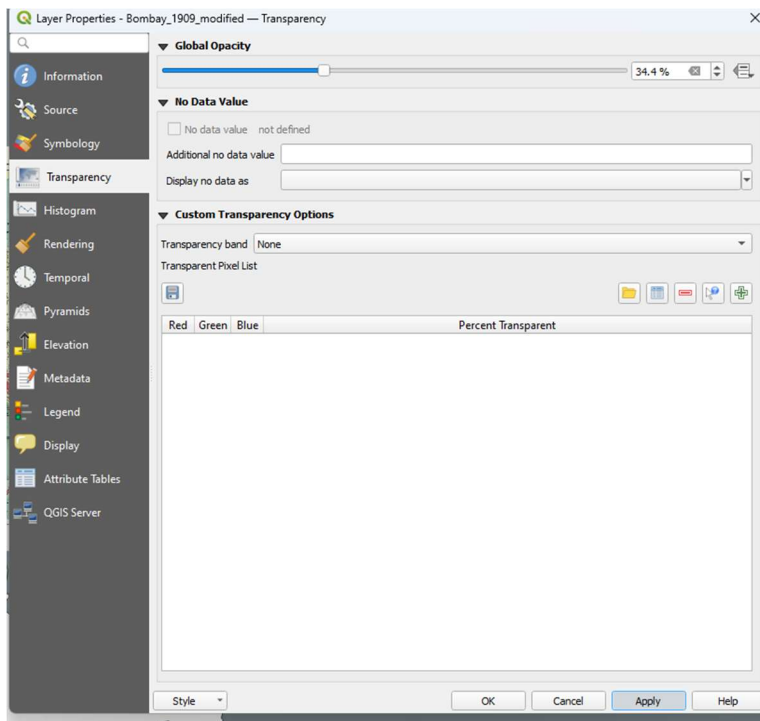
Step 14:-The “Bombay map” will be added to the main map on the main screen.



Step 15:-Go to Properties.



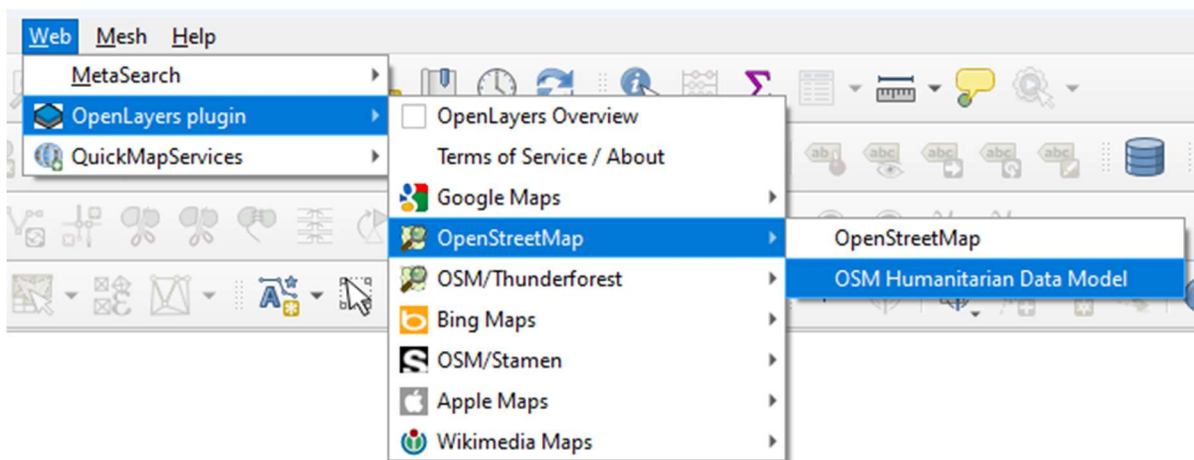
Step 16:-Go to “Transparency” and set the “Global opacity”.>add>close.



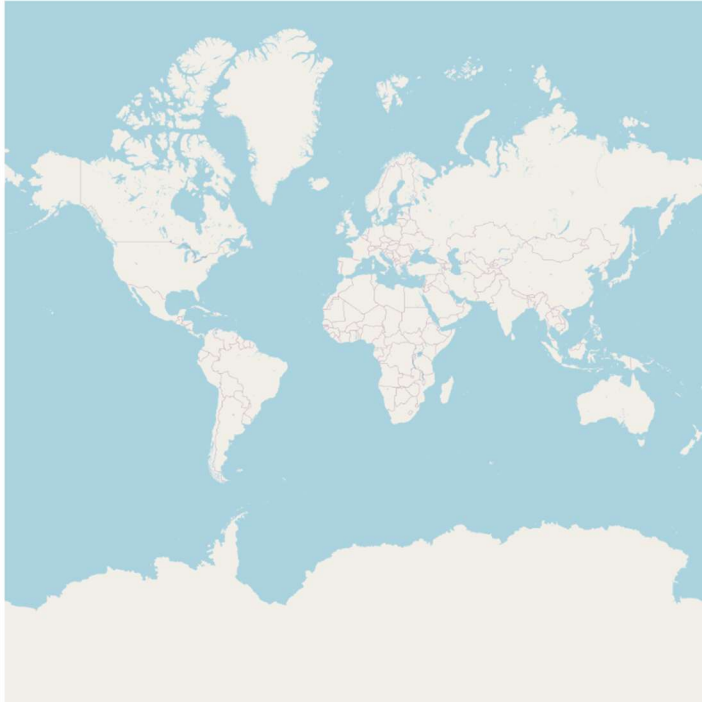
Step 17:-The map will be displayed as follows.



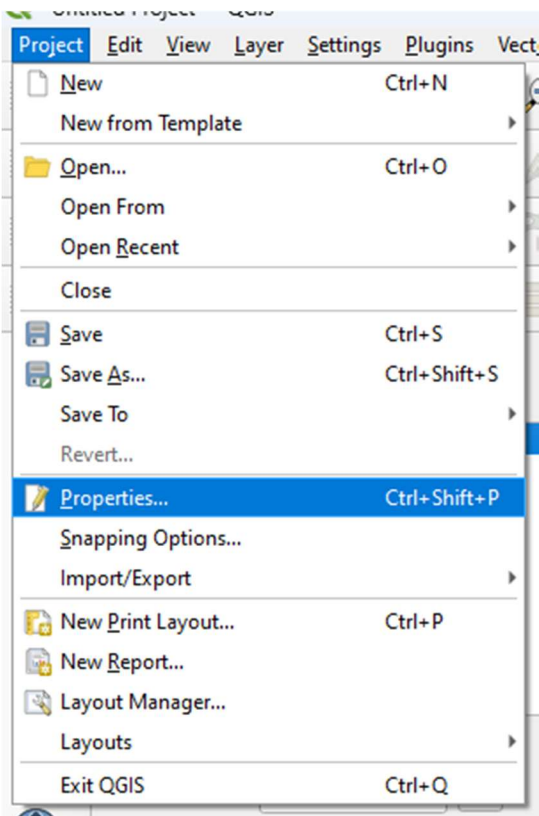
Step 18:-Go to “Web”>OpenStreetMap>OSM Humanitarian Data Model.

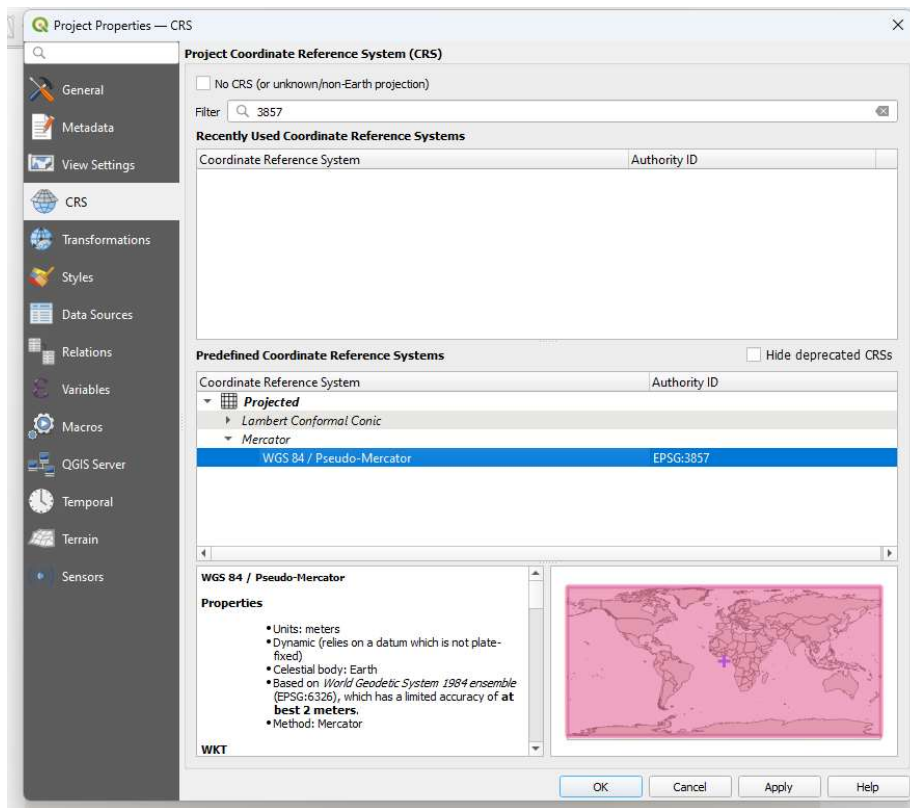


Step 19:- the world map will be displayed on the screen.

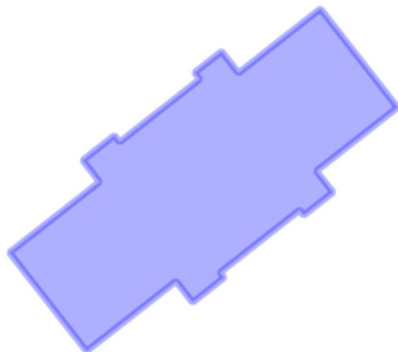
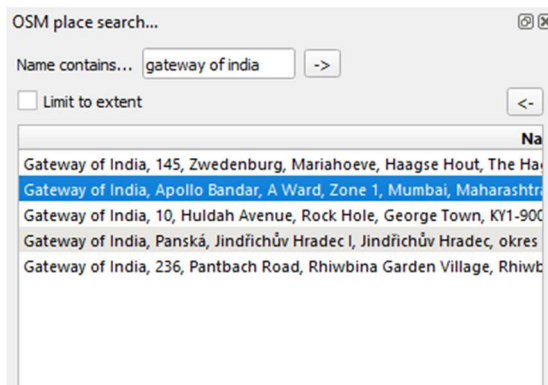


Step 20:-Go to properties>Properties>CRS .In CRS select the coordinates shown in the below image.

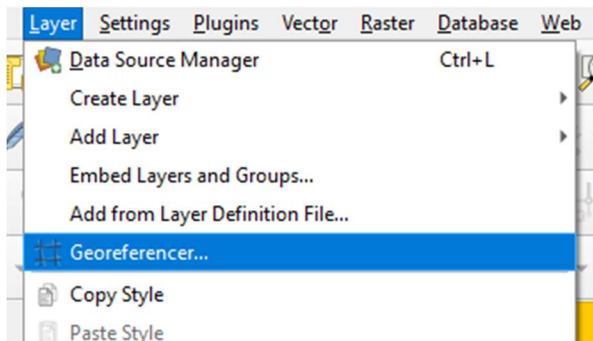




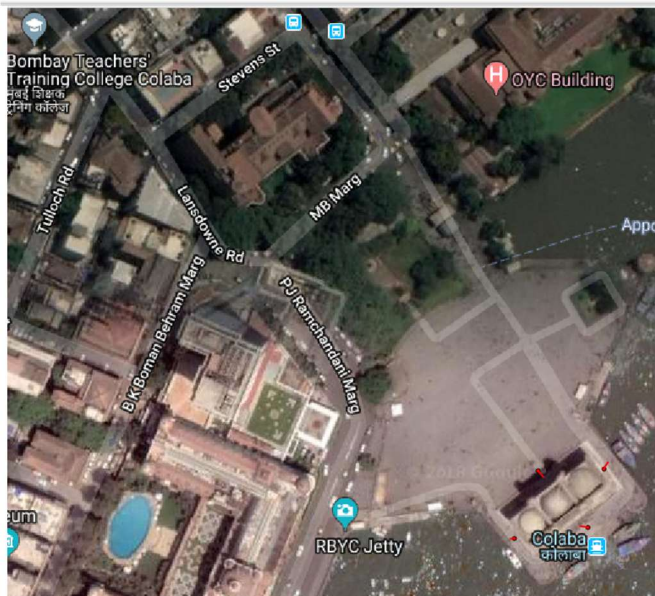
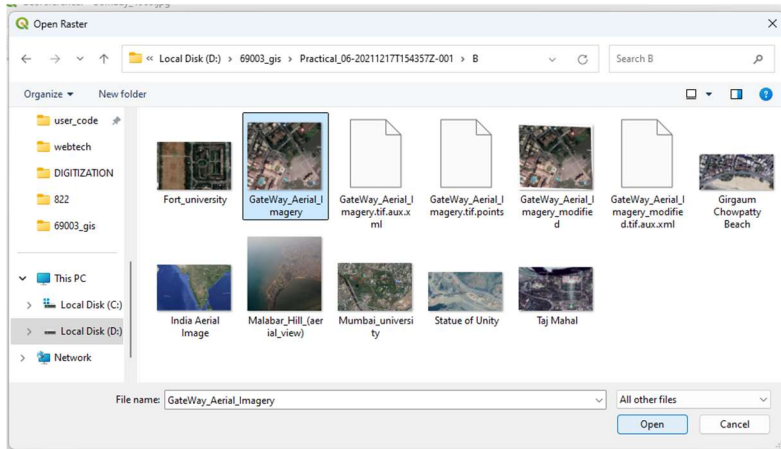
Step21:- search “Gateway of India “in OSM place search box and select the place shown in image.



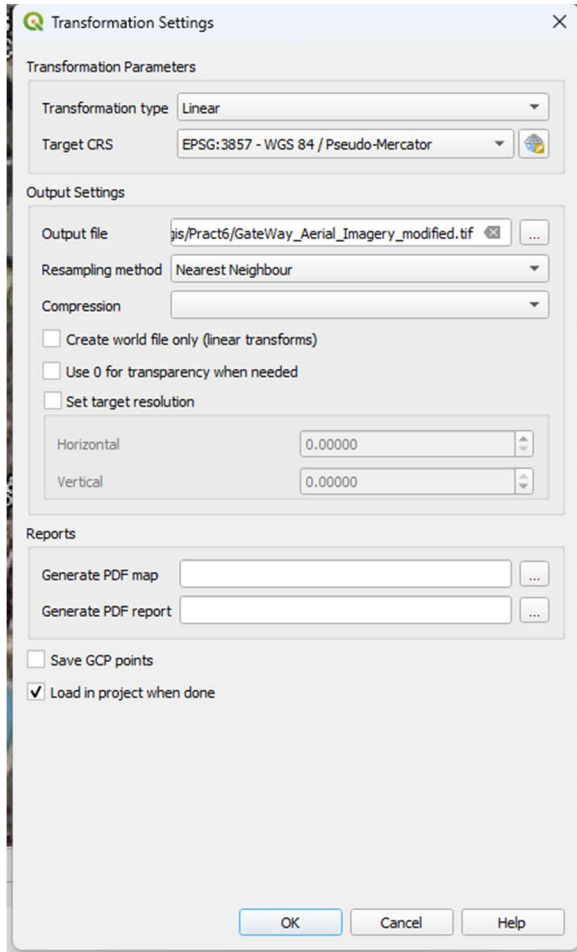
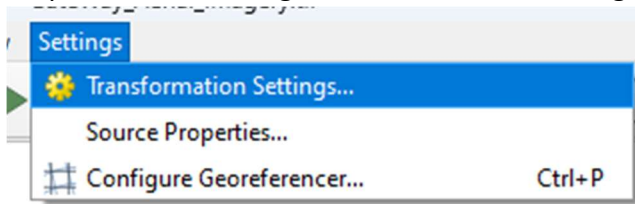
Step 22:-Go to Layers.>Georeferencer.



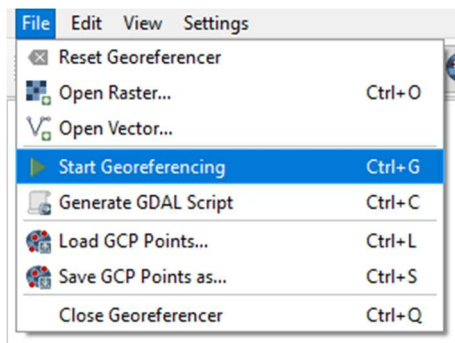
Step23:- select the appropriate image.



Step24:- Go to Settings >Transformation settings. Select the options shown in the image.



Step 25:- Start Georeferencer.

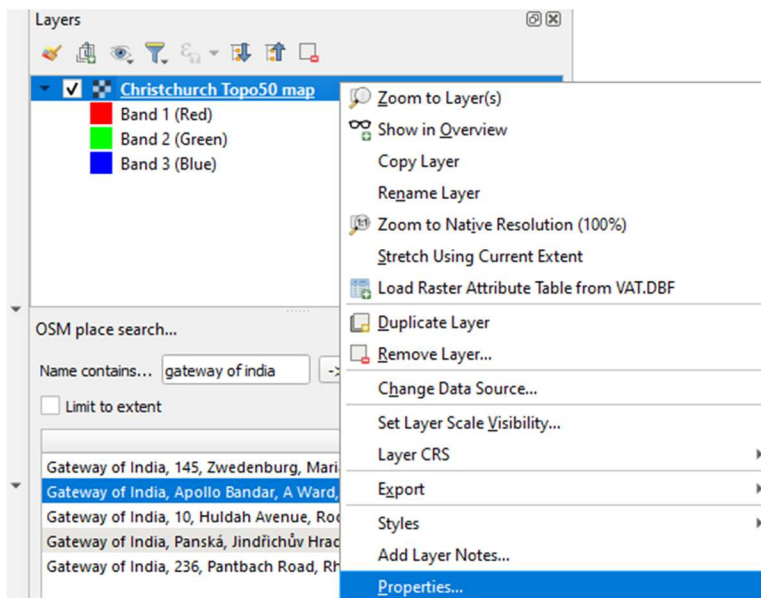


The screenshot shows the 'Layer' menu in QGIS. The 'Add Raster Layer...' option is highlighted in blue. The menu is organized into sections: 'Data Source Manager' (Ctrl+L), 'Add Layer' (with a submenu), 'Embed Layers and Groups...', 'Add from Layer Definition File...', 'Georeferencer...', 'Copy Style', 'Paste Style', 'Copy Layer', 'Paste Layer/Group', 'Open Attribute Table' (F6), 'Filter Attribute Table', 'Toggle Editing', 'Save Layer Edits', and 'Current Edits'. The 'Add Layer' submenu is open, showing options like 'Add Vector Layer...', 'Add Raster Layer...', 'Add Mesh Layer...', 'Add Delimited Text Layer...', 'Add PostGIS Layers...', 'Add Spatialite Layer...', 'Add MS SQL Server Layer...', 'Add Oracle Spatial Layer...', 'Add SAP HANA Spatial Layer...', 'Add/Edit Virtual Layer...', 'Add WMS/WMTS Layer...', 'Add XYZ Layer...', and 'Add WCS Layer...'. The 'Add Raster Layer...' option is highlighted in blue, and its keyboard shortcut 'Ctrl+ Shift+R' is displayed on the right.

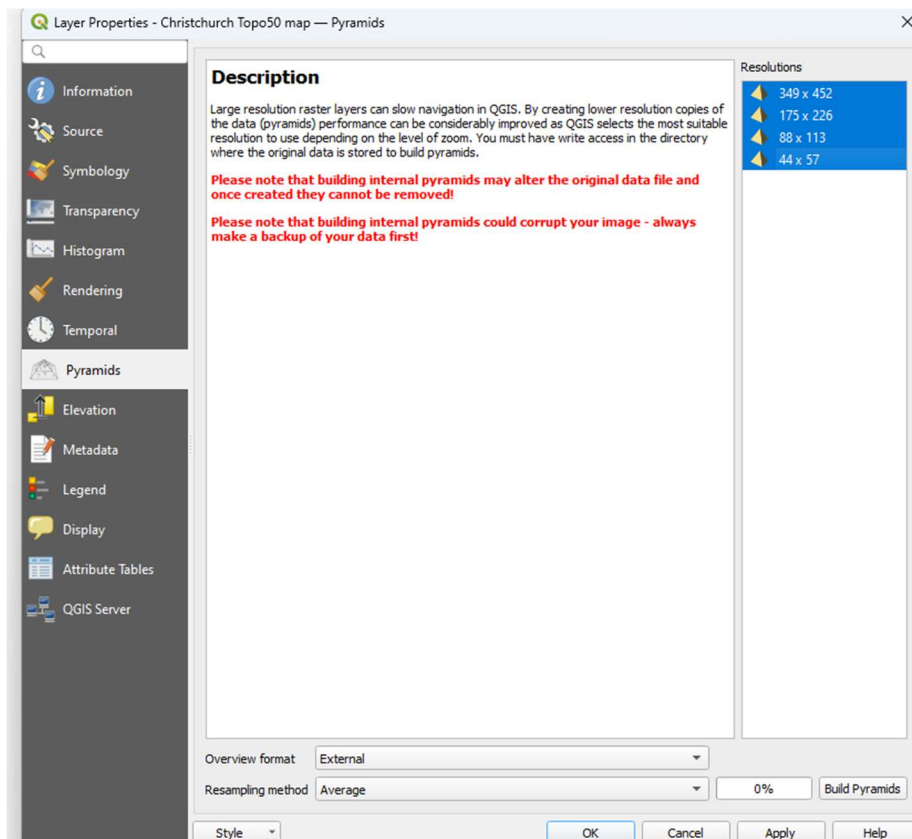
Menu Item	Keyboard Shortcut
Data Source Manager	Ctrl+L
Create Layer	
Add Layer	
Embed Layers and Groups...	
Add from Layer Definition File...	
Georeferencer...	
Copy Style	
Paste Style	
Copy Layer	
Paste Layer/Group	
Open Attribute Table	F6
Filter Attribute Table	
Toggle Editing	
Save Layer Edits	
Current Edits	
Add Vector Layer...	Ctrl+ Shift+V
Add Raster Layer...	Ctrl+ Shift+R
Add Mesh Layer...	
Add Delimited Text Layer...	Ctrl+ Shift+T
Add PostGIS Layers...	Ctrl+ Shift+D
Add Spatialite Layer...	Ctrl+ Shift+L
Add MS SQL Server Layer...	
Add Oracle Spatial Layer...	Ctrl+ Shift+O
Add SAP HANA Spatial Layer...	
Add/Edit Virtual Layer...	
Add WMS/WMTS Layer...	Ctrl+ Shift+W
Add XYZ Layer...	
Add WCS Layer...	



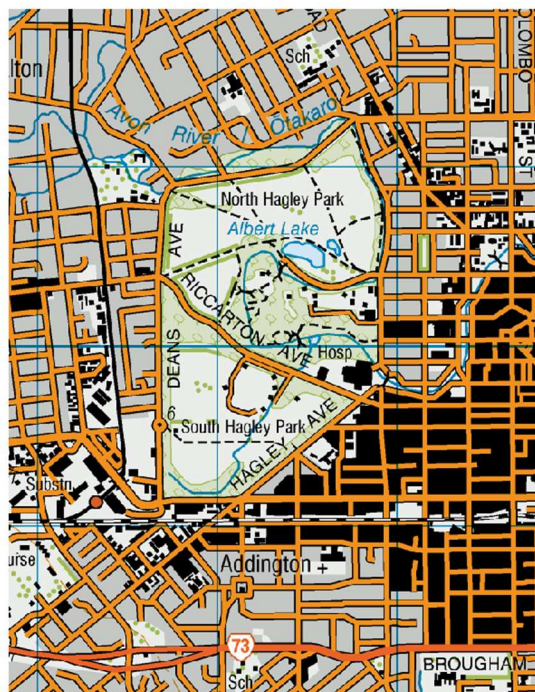
Step 29:-Go to properties.



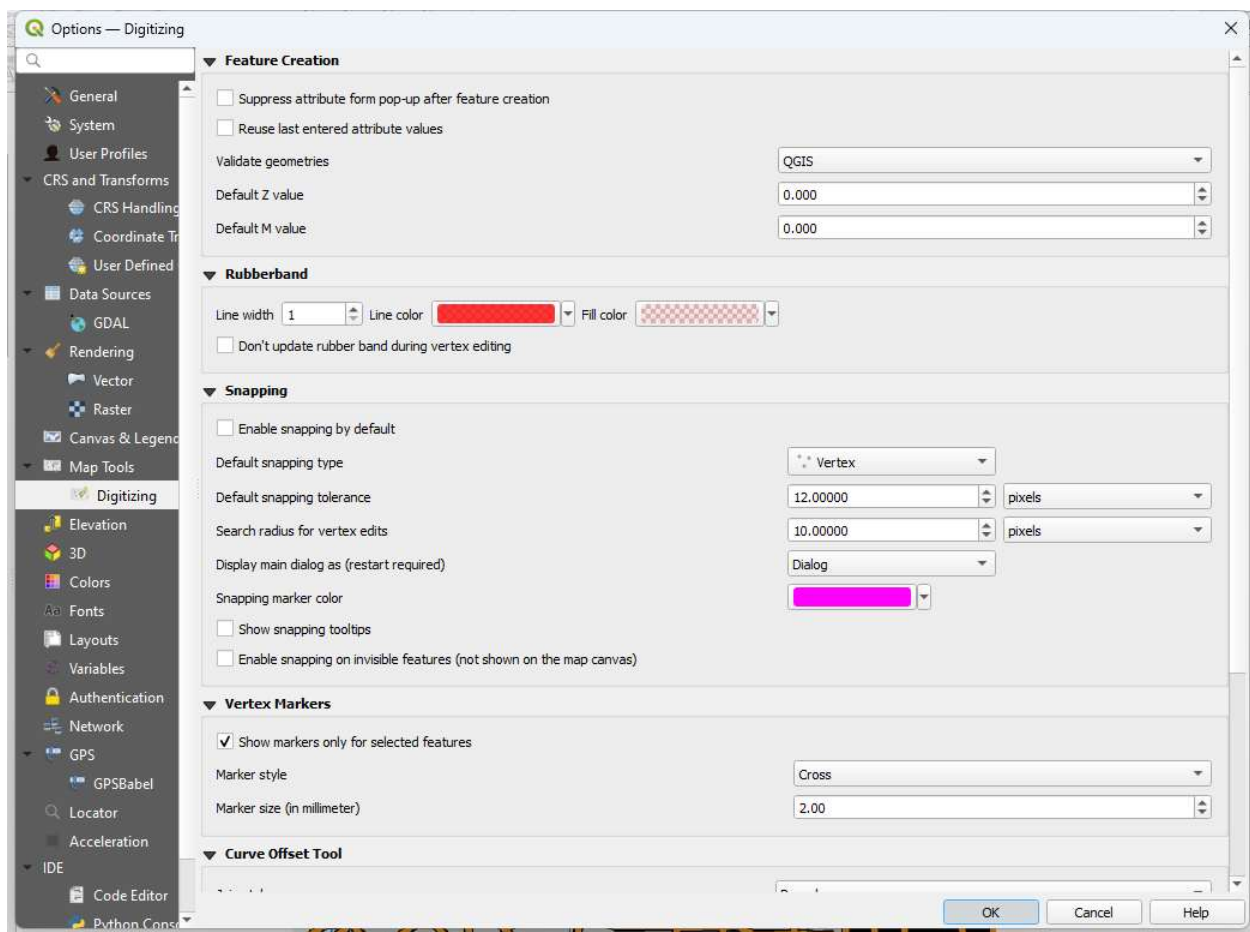
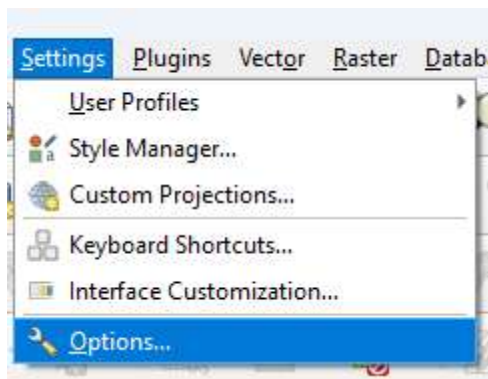
Step 30:-Go to Pyramids>select all the Resolutions >click on “**Build Pyramids**”>Apply>ok.



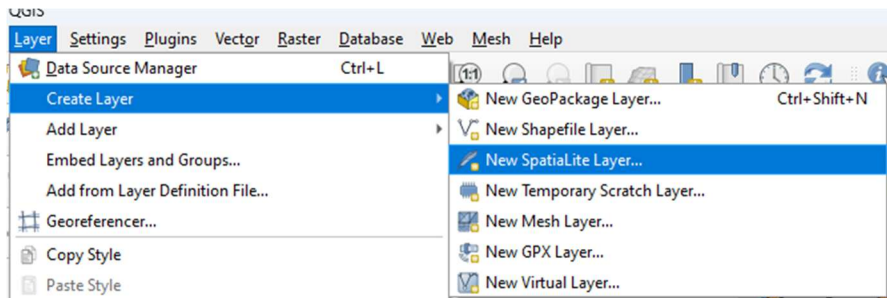
Step 31:-The image will be displayed on the screen as follows.



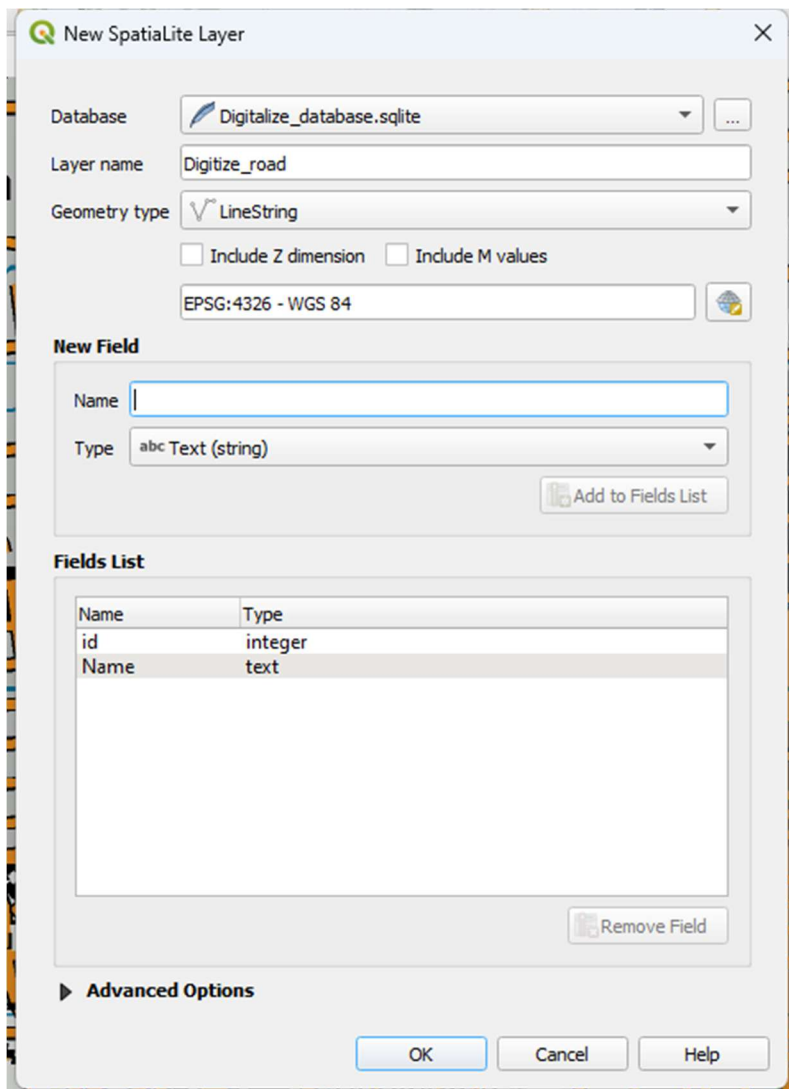
Step 32:-Go to Setting>Options>Digitizing>OK.



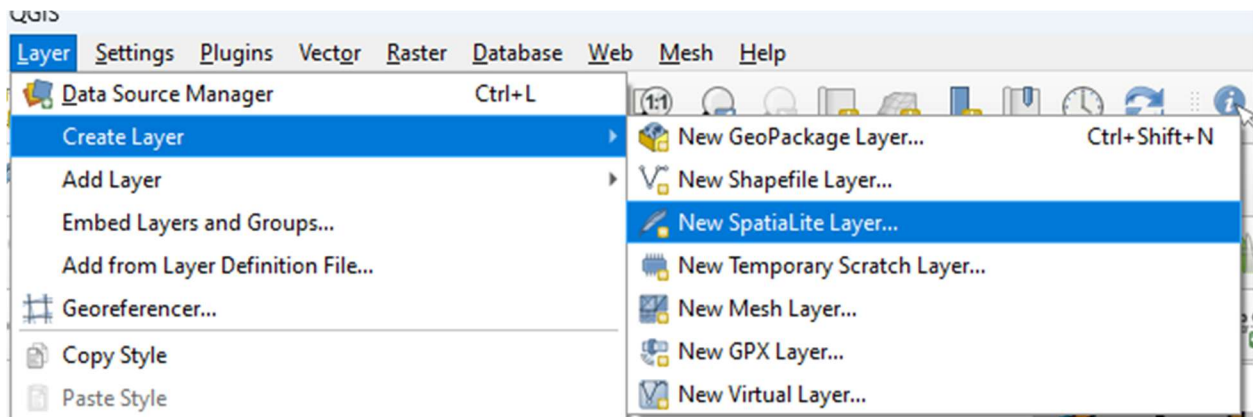
Step 33:-Go to Layers>create layers>New Spatialite layer.



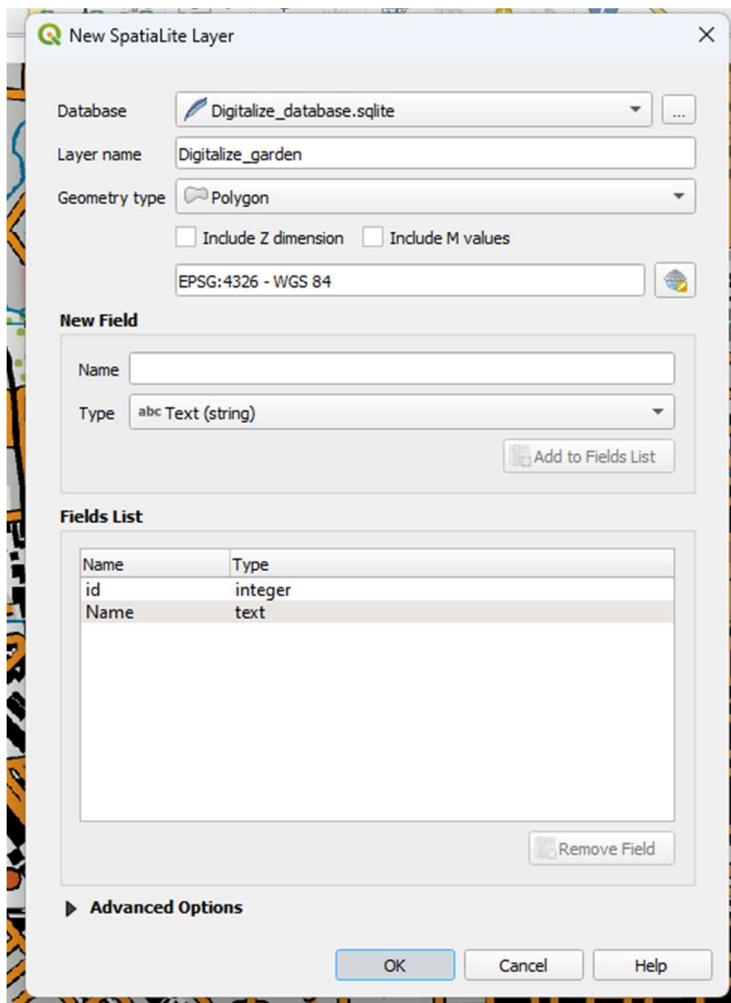
Step 34:-Select the options from the image below and click on ok.



Step 35:- Go to Layers>create layers>New Spatialite layer.



Step 36:-Select the options from the image below and click on ok.



Step 37:-The map will be displayed like this after making changes in it

