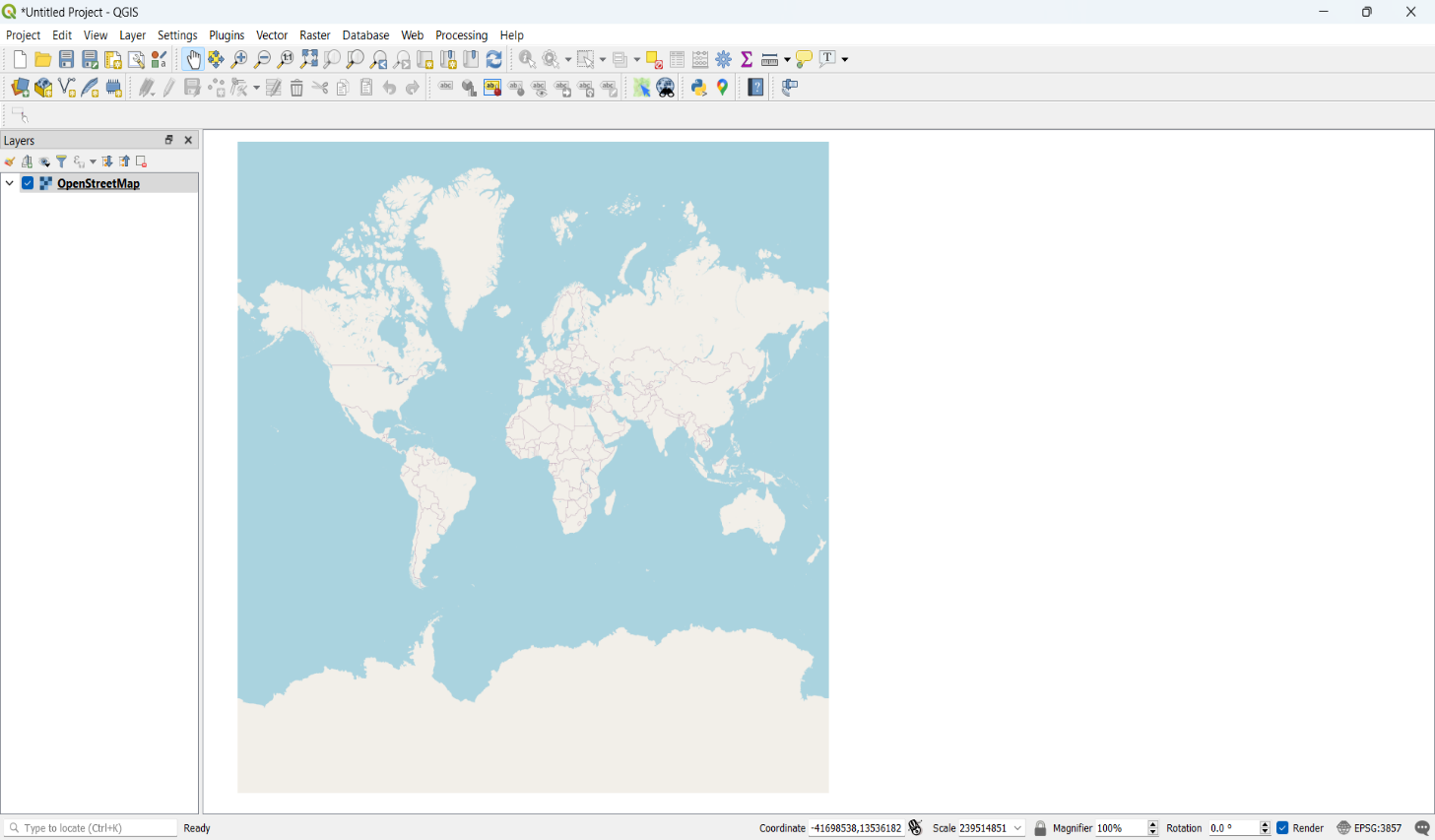
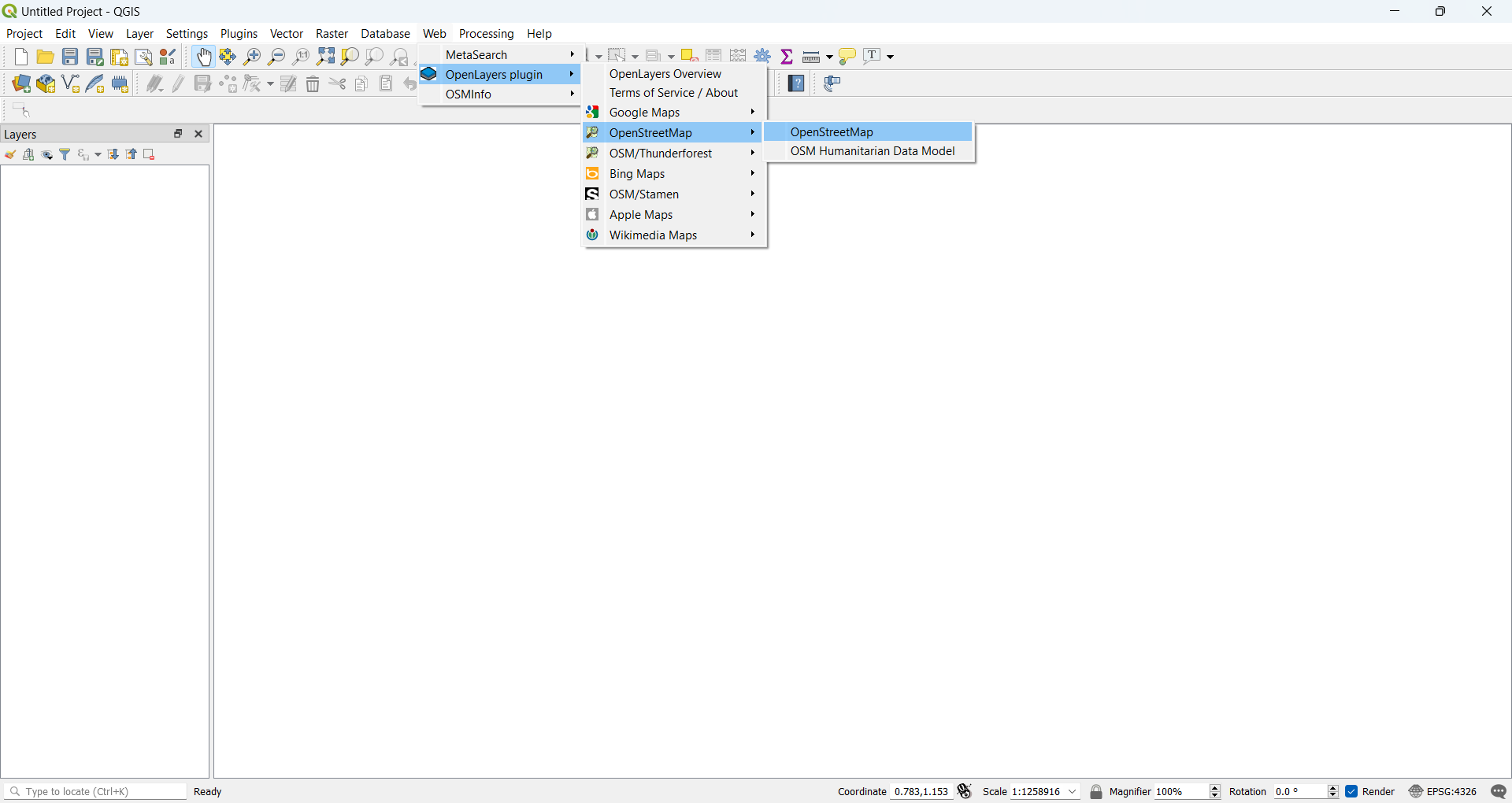
**Disha Dipak Bhave (19004)**

**GIS Project 12th March, 2025**

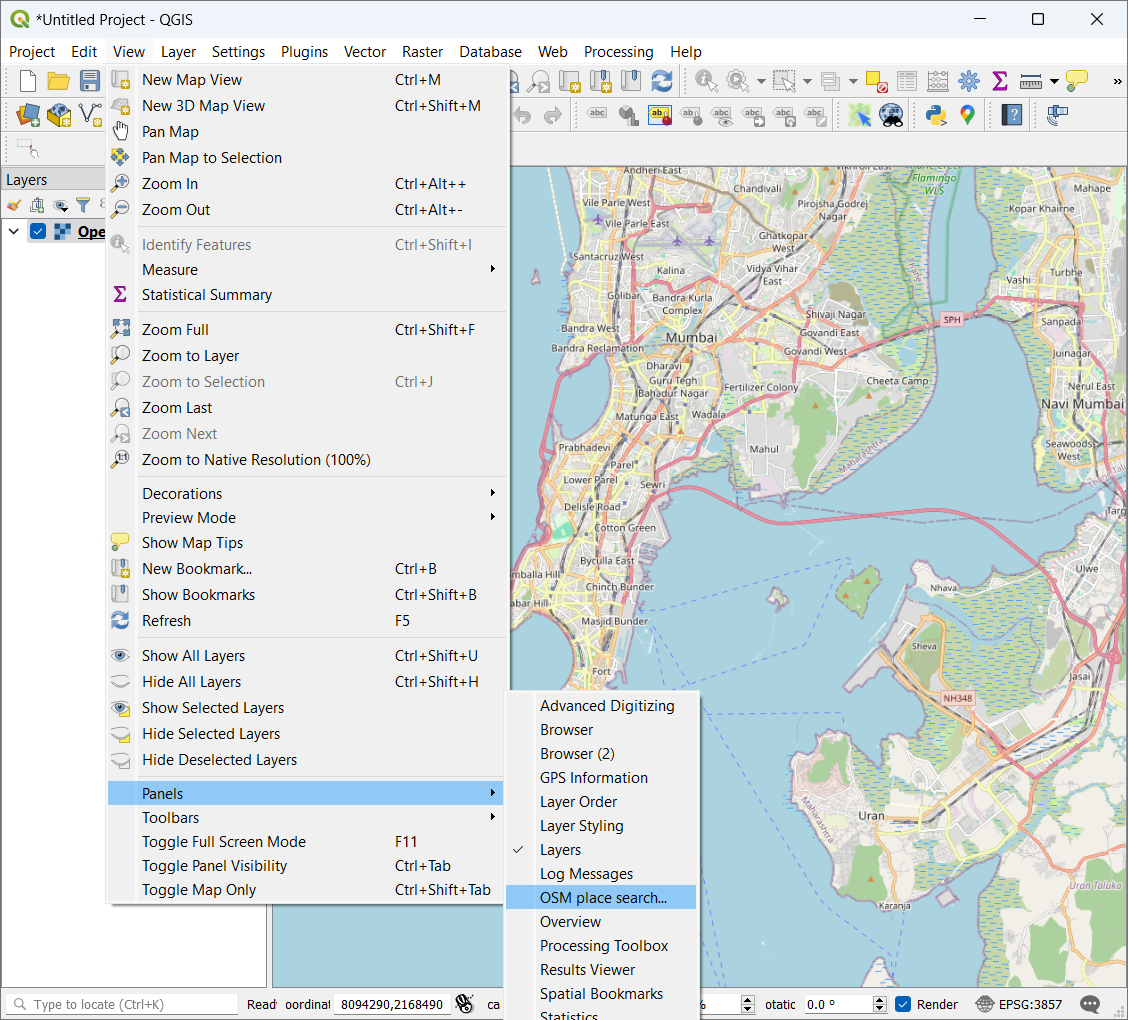
**Georeferencing**

**Aim:** To georeference arial image.

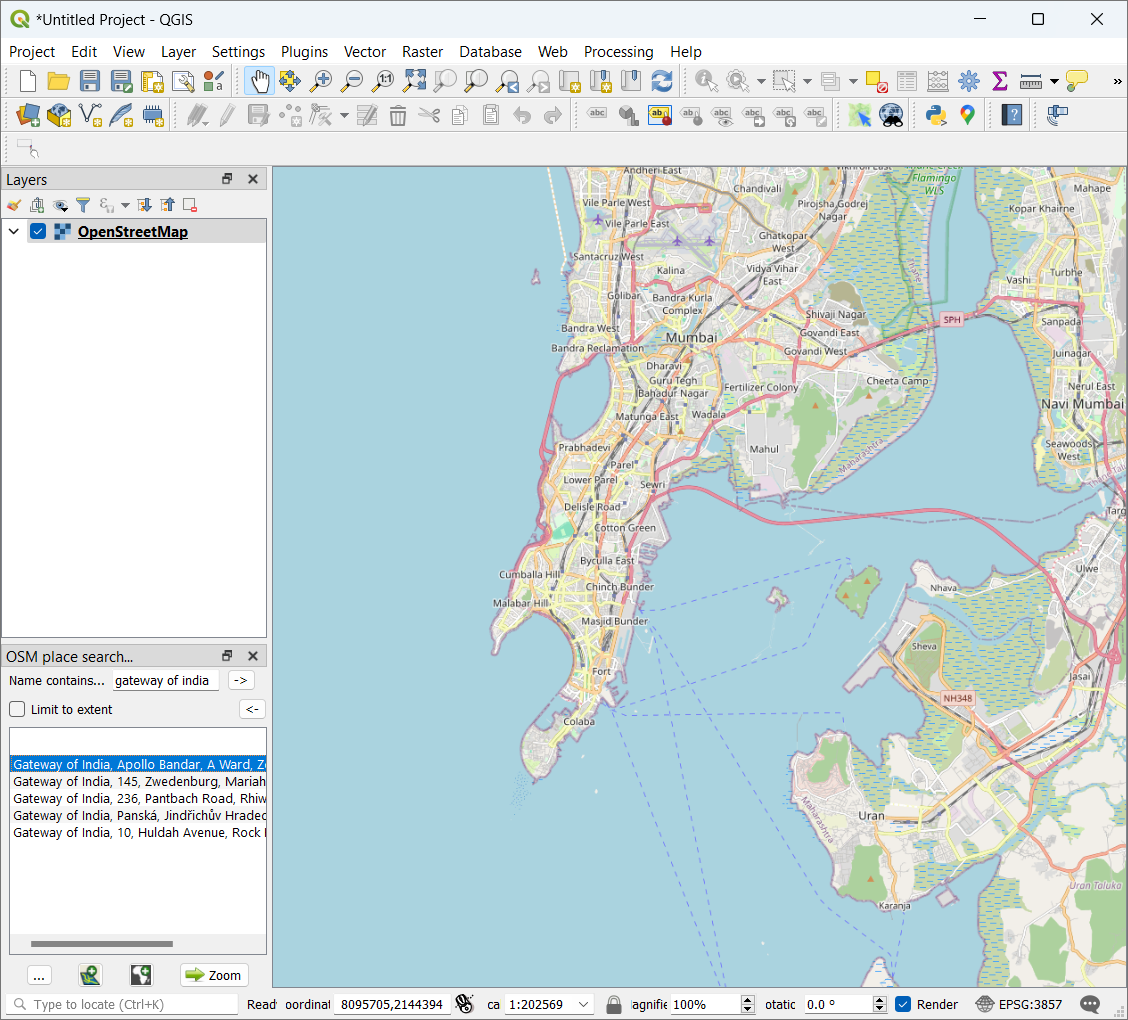
* Go to Web Menu → OpenLayerPlugin → OpenStreetMap→ OpenStreetMap



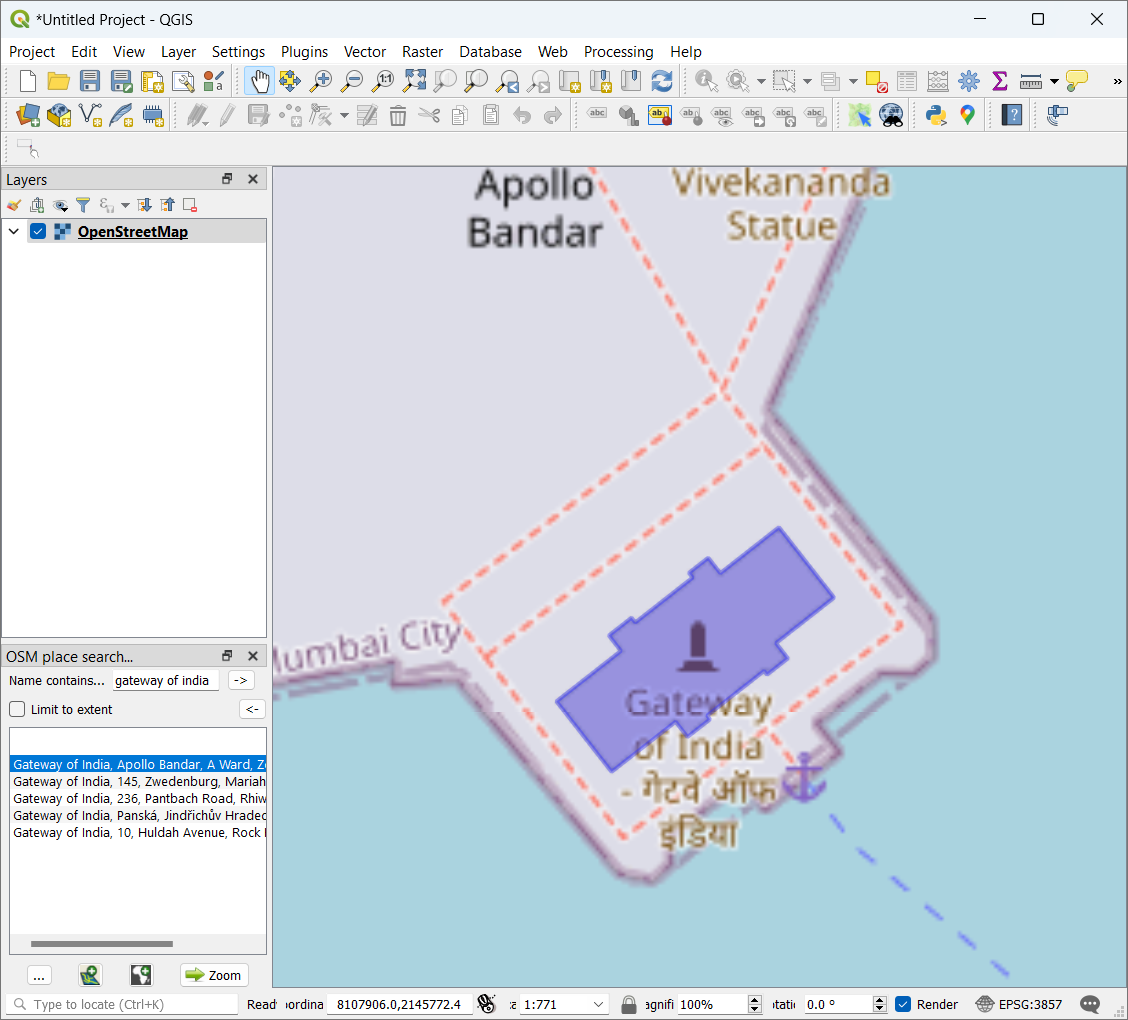
* Go to Project → Properties → Set CRS to EPSG 3857
* Go to View → Panels → select OSM Place search



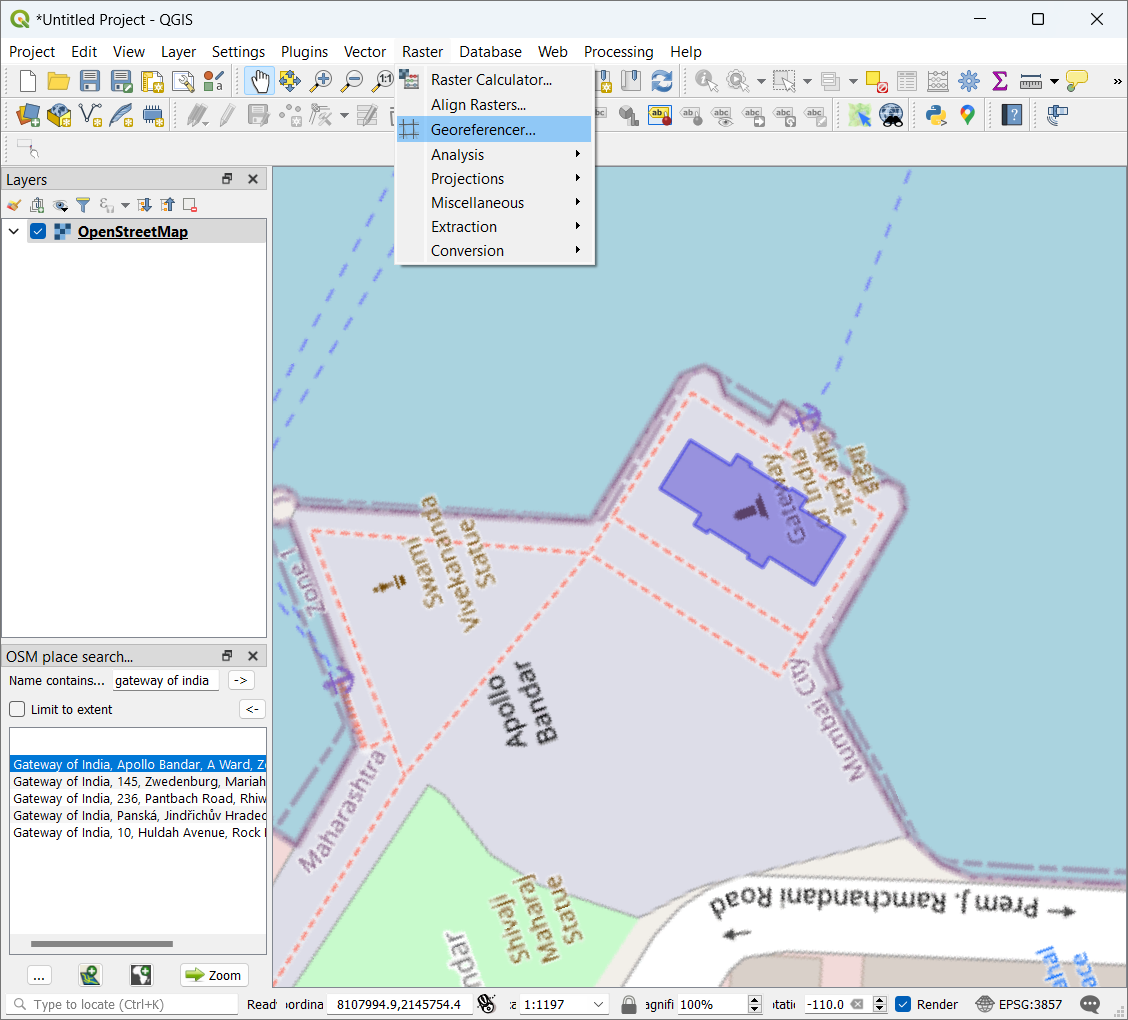
* The Gateway of India, Mumbai is located at 18.92°N 72.83°E
* Search Gateway of India in OSM Search Panel



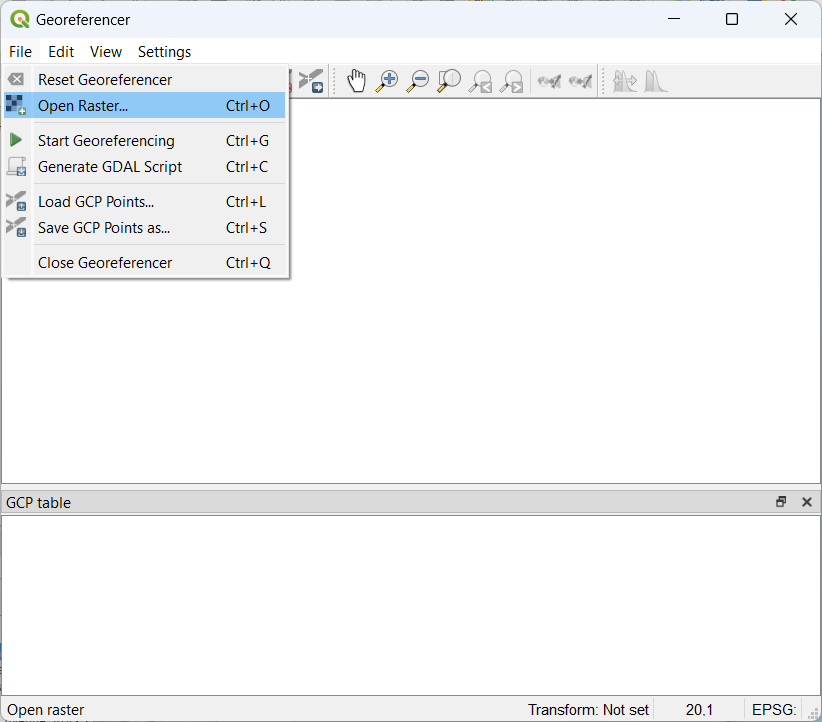
* Zoom in to appropriate level.
* The map will appear like this



* Go to Raster → Georefrencer



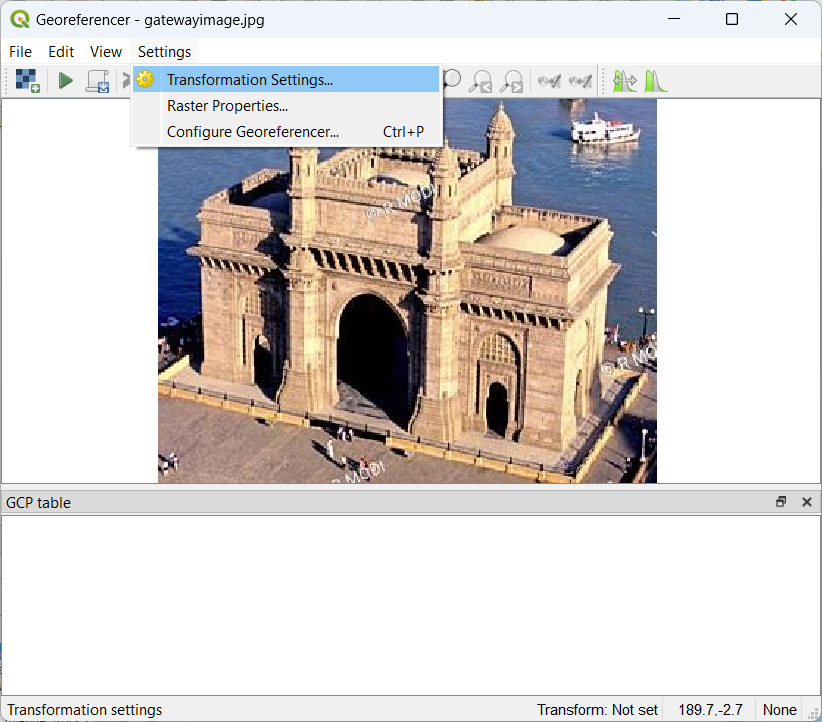
* A new Georeferencer window will open
* File --> Open Raster

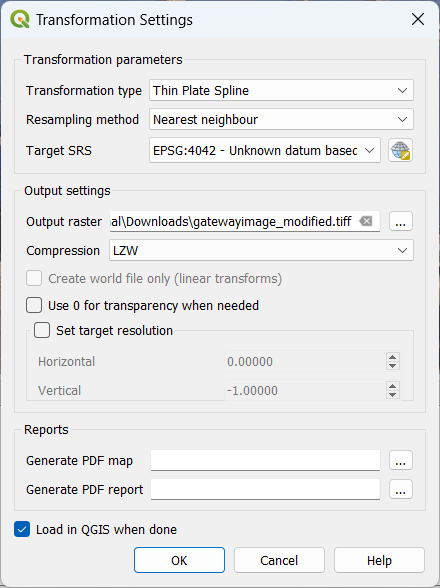


* Select file “Gateway\_Imagery.tif”

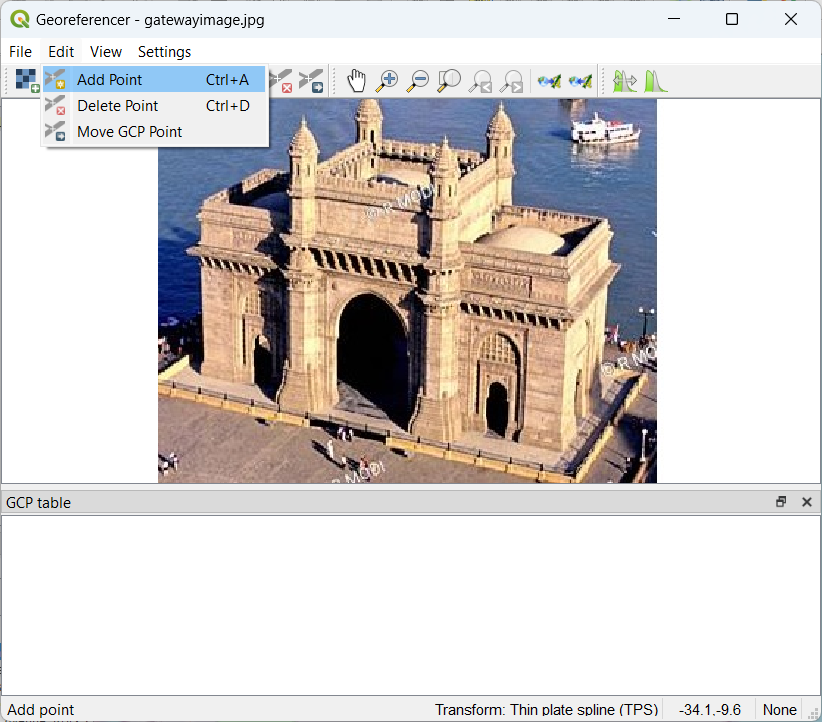


* Go to Settings →Transformation Settings

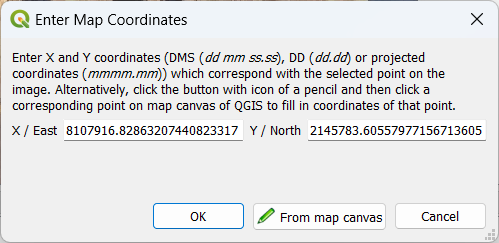




* Go to Edit → Add Point



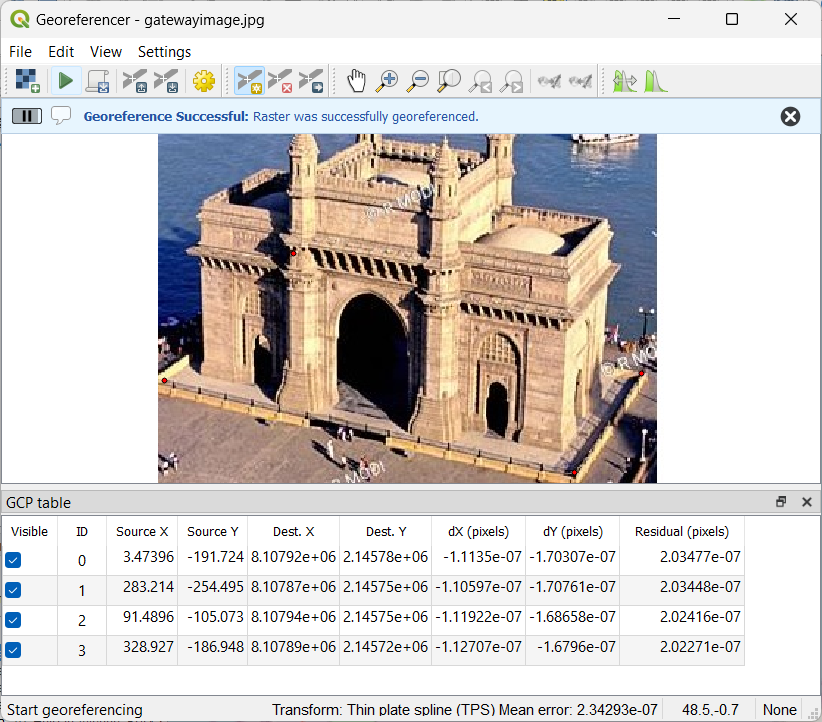
* Select the set of control points.





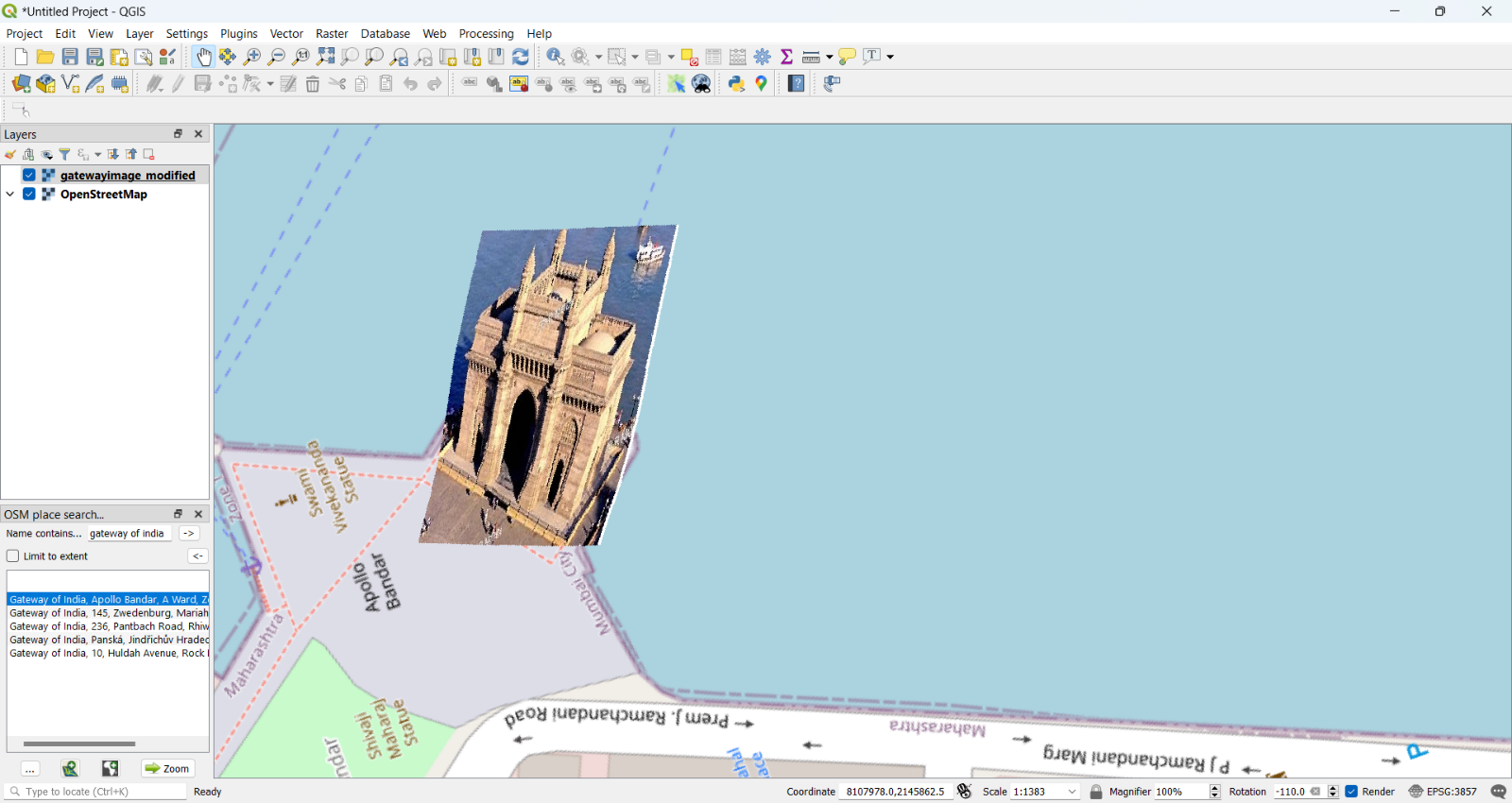


* Go to File → Start Georeferencing or Press the button in Georegerencing Window.
* The progress indicator will appear





* Observe that the aerial image of the Gateway of India is georeferenced on OSM in the map canvas.



**Conclusion:** The above project has been performed and executed successfully.

**Project Link:** https://qgiscloud.com/DishaBhave/GeoreferencingProject1/?l=gatewayimage\_modified&bl=mapnik&t=GeoreferencingProject1&e=8107734%2C2145669%2C8108091%2C2145839

**Github Link:** https://github.com/Disha18021/QGIS/tree/main