**MAP-1**

**MAP DESCRIPTION AND ANALYSIS**

1. **Introduction:**

The Kamrup Metropolitan district is very significant district of Assam which consist of six circle namely Dispur revenue circle, Chandrapur revenue circle, Sonapur revenue circle, North Guwahati revenue circle, Guwahati revenue circle and Azara revenue circle.

1. **Aim:**

To prepare the location map of government hospitals and private hospitals in Kamrup Metropolitan district.

1. **Softwares used:** QGIS 3.4
2. **Data used:** Google earth map and Census of India data
3. **Methodology:**

The following methodology is adopted to prepare this map –

1. Extraction of location of hospitals both government and private from Google Earth Pro in KML format.
2. Conversion of KML file to shapefile in QGIS
3. Preparation of circle wise map of Kamrup Metropolitan district using Census of India map as base map. Digitize the georeferenced base map taking geographic CRS.
4. Overlay hospital location on the digitize circle map of Kamrup Metropolitan district.
5. Use different symbols for different type of health care facilties.
6. Preparation of layout in print composer in QGIS using suitable grid, scale, labels, legends and north arrow.
7. Export final output in jpeg and pdf format.
8. **Potential application of map:**

Creation of this map helps in knowing the circle wise health infrastructure facilities in the district. Chandrapur and North Guwahati circle have less hospital facilities, with proper intitiative by government new hospitals will be opened in such areas.

1. **Complexity:**

Updated district map is not available for North-Eastern States. Kamrup Metropolitan district is separated from Kamrup district in February 2003. But no updated map is available for Assam in Survey of India website or shape file provided for mapathon. Similar with other districts of North East India.

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