**MAP-2**

**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 hospital population ratio in the Kamrup Metropolitan district.

1. **Softwares used:** QGIS 3.4
2. **Data used:** Population and circle wise location of hospitals from Census of India data,2011
3. **Methodology:**

The following methodology is adopted to prepare this map –

1. Identification of hospital circle wise both government and private hospitals.
2. Circle wise population is join with attribute data of circle map in csv format then updated attribute data.
3. In QGIS-3.4 creation of thematic map by categorization based on data population and hospital ratio.
4. Preparation of layout in print composer in QGIS using suitable grid, scale, labels, legends and north arrow.
5. Export final output in jpeg and pdf format.
6. **Potential application of map:**

Creation of this map helps in knowing the circle wise population and hospital ratio. This map helps in distribution of epidemic vaccine hospital wise. Number of hospital and population helps in calculating the number of days required for complete vaccination of any circle.

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.

\*\*\*\*\*\*\*