

Types of workers

Methodology

The Political map of the state has been downloaded from the Survey of India, 2011. The map was then geo-referenced in QGIS platform. The project CRS selected was EPSG: 4326, WGS 84. There were total 13 GCP points taken covering entire state and distributed homogeneously. The final mean error of the geo-referenced map was 0.126426.

The Workers data was downloaded from Population enumeration section of Census of India, 2011. The excel data was then attached to the Attribute table of the QGIS window and pie diagram was made to represent the workers data in a better way.

Complexities:-

After setting the properties to make the pie diagram, few pie(s) of two-three districts became invisible. Then, project was restarted and data was manually entered into attribute table again which gave favourable results.

The labels of the district became invisible when pie tab as selected to be overlay on digitized base map of Assam.

The duplicate copy of digitized base map was made to avoid changes in the reference map.

Applications/Uses:-

- 1- The workers map can be used in research works done by students and research scholars in their paper to study about the workers composition of the Assam state.
- 2- The map can be used by officials and district planners to reduce the inter-district and intra-district backwardness under Regional planning umbrella.
- 3- The map helps in comparing the different districts main, marginal and non-workers population to form a larger narrative of the state and any particular district as whole.
- 4- The inset map showing the total working population further gives a comprehensive look to the main map helping to study the district wise imbalances.
- 5- The map can be used to compare the changes changing scenario of workers over time eg. 2001, 2011, 2021 etc.
- 6- The map is highly suited to study in depth about the miserable condition of workers (large share of marginal and non-workers in district as compared to main workers.)
- 7- The map can used to find the co-relation between various other attributes like Total working population and State Domestic Product etc.