Regional transport network map in RangaReddy District

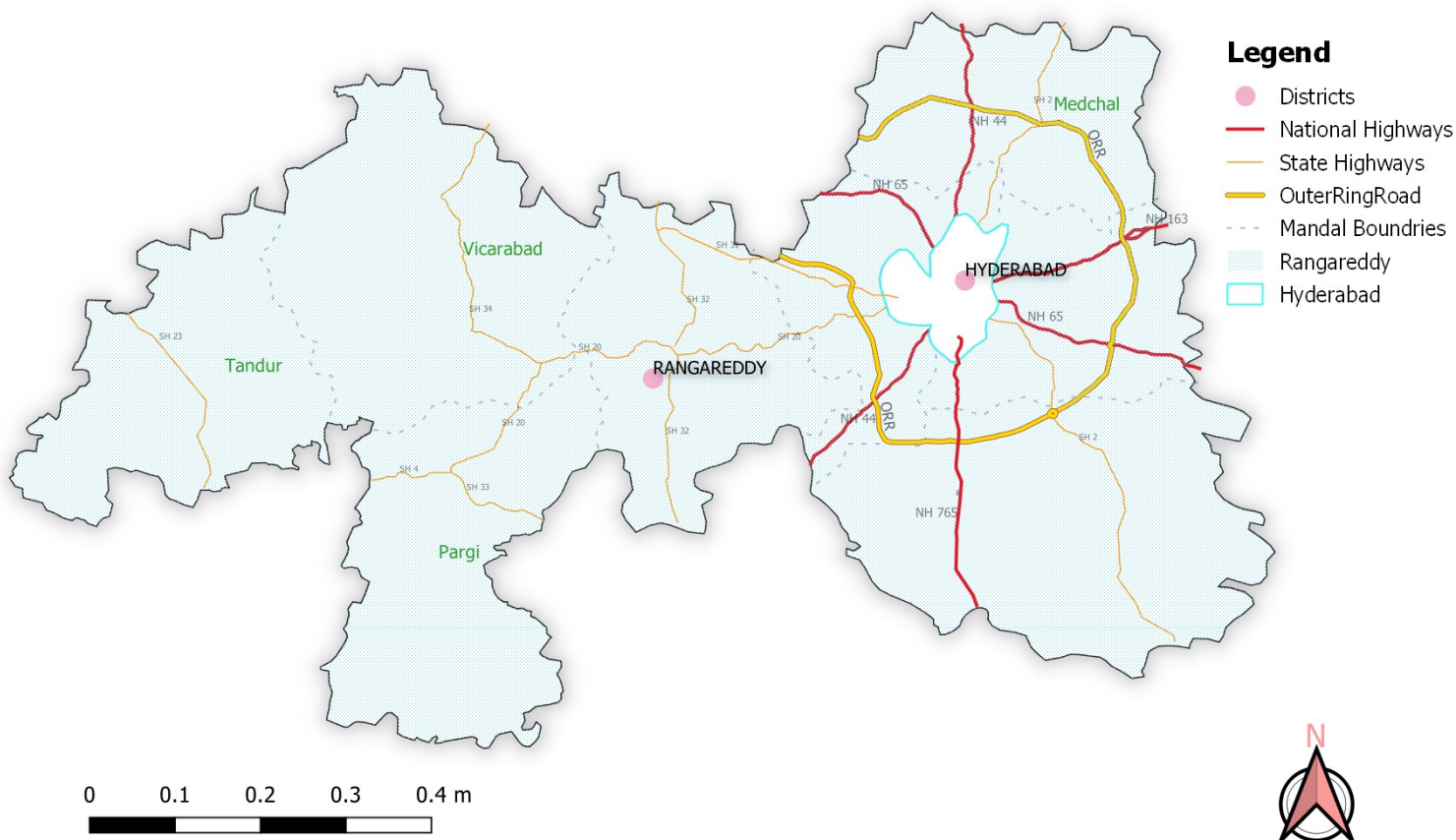## Map description and analysis

Introduction :
Our goal is to build a clean and easily understood road transportation map of Rangareddy district, using ISRO's BHUVAN SATELLITE DATA. While doing this map we have learned how to collect required data and use it to make useful maps with the help of new technologies like QGIS.

ISRO DATA:
The ISRO data that has been used to do the road transportation or road network is collected from Bhuvan 2D. From this Bhuvan 2D, the area of interest was selected and then tracing of the National highways and State highways was done using the option called "draw tools". In the draw tool, draw line and draw point tools are used. "Draw lines", are used for tracing of the road lines and "draw points", are used to locate, label and name particular areas. And it is also used for tagging or mentioning specific regions , places or mandals.

Potential application:

- Road network or road transport map is mainly useful in the present pandemic situation for transportation of vaccines and other medical equipment quickly with efficiency.
- It is comparatively easy and cheaper to construct and maintain roads.
- Road transport system establishes easy contact between farms,fields,factories and markets and provides door to door service.
- Roads can negotiate high gradients and sharp turns which railways cannot do. As such, roads can be constructed in hilly areas also.
- Roads act as great feeders to railways, so without good and sufficient roads, railways cannot collect sufficient produce to make their operation possible.
- Perishable commodities like vegetables,fruits and milk are transported more easily and quickly by roads than by railways.

Legend

- Districts
- National Highways
- State Highways
- OuterRingRoad
- Mandal Boundries
- Rangareddy
- Hyderabad

Medchal
Vicarabad
Tandur
Pargi
RANGAREDDY
HYDERABAD

NH 44
ORR
NH 65
NH 163
NH 765
SH 23
SH 34
SH 32
SH 20
SH 33
SH 4
SH 2

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