

# Major District Roads Networks of Kerala in OpenStreetMap

Project Talk

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# Road networks in Kerala

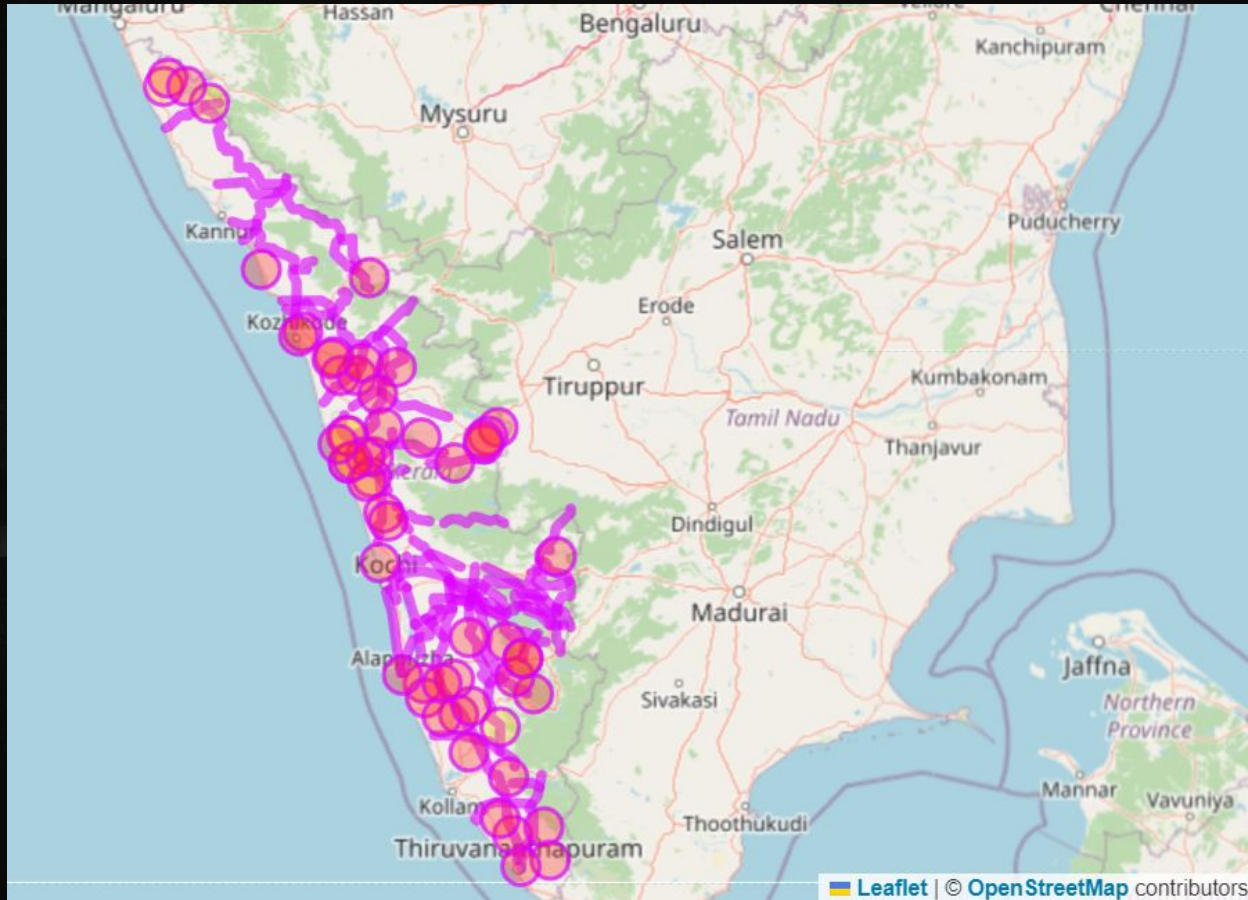
- The State has a total road length of 2,30,934.18km.
- The NHs, considered to be the primary network, carries 40 per cent of the total traffic, and the SHs and MDRs – the secondary road network – carries another 40 percent of the road traffic.

(As per Economic Review 2022 State Planning Board)

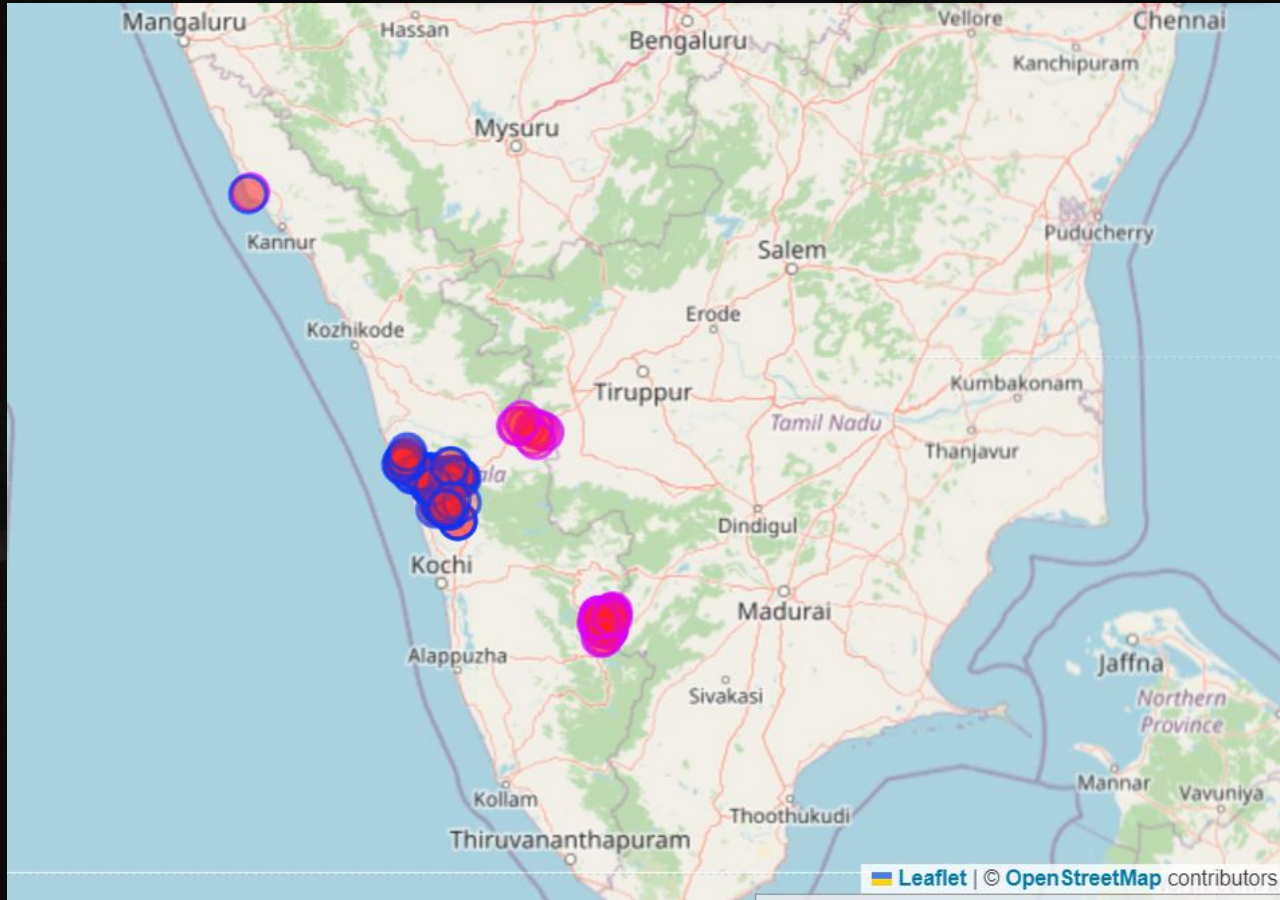
# About the Project

- There are different types of classification of road networks in like NHs, SHs, MDRs..etc
- Major District Roads (MDRs) are roads interconnecting major towns and economic centers in a district.
- Kerala has about 25,394.32 kms of MDR network with 5784 stretches of roads

# Current SH network map in OSM



# Current MDR network map in OSM





# MDR roads

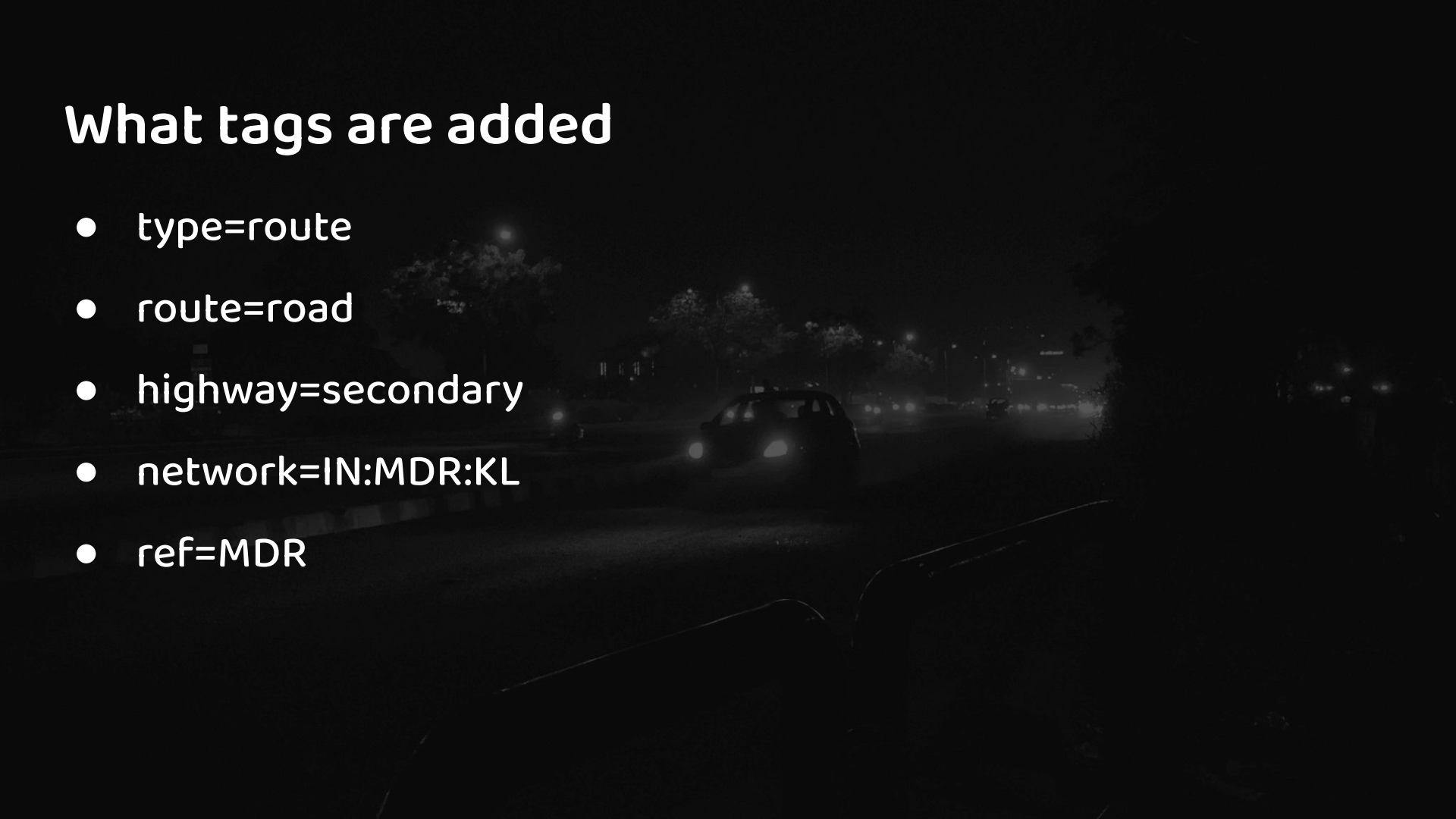


# Why this Project?

- The project helps to build a freely available and editable map of major road network in Kerala by adding tag and other major details to OSM
- The current state of road data is inadequate with missing or incorrect road names, classifications and tags.
- The project aims to contribute to improved navigation, emergency response, infrastructure development, and socio-economic growth in Kerala.

# What tags are added

- type=route
- route=road
- highway=secondary
- network=IN:MDR:KL
- ref=MDR





# Project Plan

- Focus on updating and enhancing the MDR road network in Kerala
  - Data Collection
  - Data Validation and OSM Editing
  - Quality Assurance
  - Documentation of the data

# Challenges

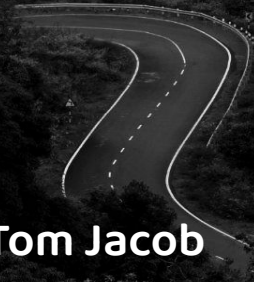
- Missing or incorrect ids, names, classifications and tags.
- Lack of available open data



# Sustainability plan

- Focuses on ensuring the long-term impact and maintenance of the updated MDRs network data in OSM for Kerala.
- We recognize the importance of ongoing community involvement that advancements to sustain the project's outcomes.
  - Community Engagement
  - Capacity Building
  - Collaboration with Stakeholders
  - Documentation and Open Data Advocacy

# Thank you



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