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आज़ादी का
अमृत महोत्सव



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS



NEED FOR MULTIMODAL INTEGRATION IN SPECIAL TERRAINS

– CASE STUDY NORTHEAST INDIA

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15th Urban Mobility India
Conference & Expo 2022

PRESENTED BY:

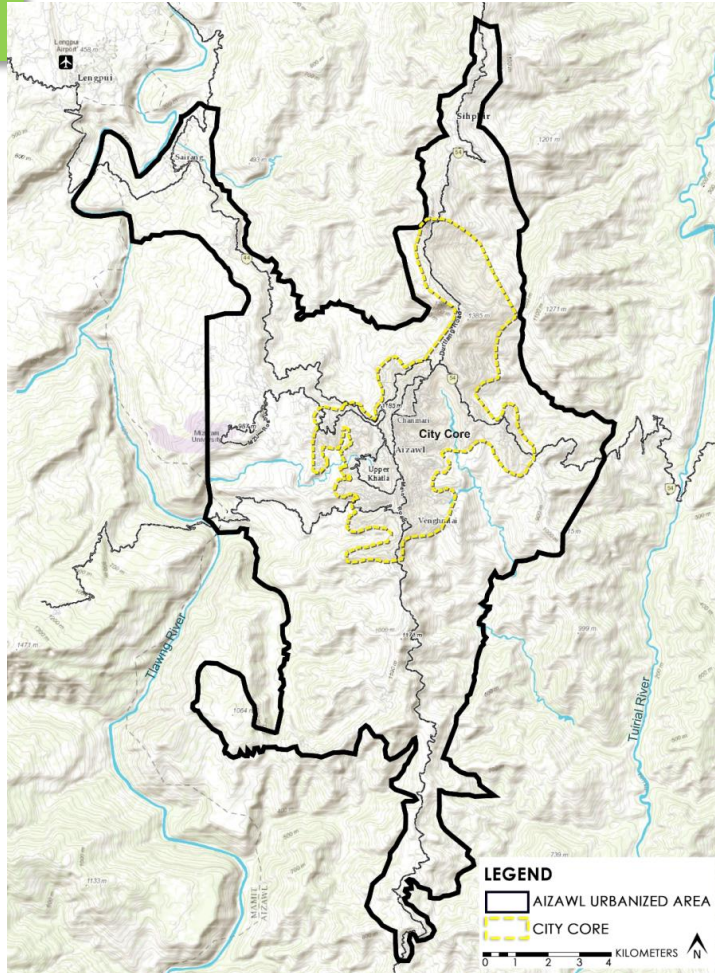
- ADITI SINGH
- AMIT KUMAR

URBAN MOBILITY IN NORTH EAST STATES

Mott MacDonald initiatives in Northeast states:

- Agartala, Tripura
- Aizawl, Mizoram

AIZAWL PROJECT PLANNING DESIGN AND MANAGEMENT CONSULTANCY



Objective: Support GoM to prepare Aizawl Sustainable Urban Transport Project, which will implement selected high-priority sub projects/ projects identified through CMP



Output 1- Prepare Comprehensive Mobility Plan (CMP)- basis for priority projects identification



Output 2- Undertake Feasibility studies, DPRs and project preparatory activities for ensuing projects- Support project readiness for purpose of financing and implementation



Output 3- Strengthen project implementation capacity of executing agency- to carry forward urban transport planning and project implementations

Implementing Agency: Urban Development and Alleviation Department (UD&PA)

Funded By: Asian Development Bank

DEVELOPMENT OF INDUSTRIAL ESTATES

Objective: To improve readiness of integrated industrial infrastructure development projects in and around **15 industrial estates in 6 districts of Tripura**

Executing Agency: Department of Industries and Commerce, Government of Tripura (GoT)

Implementing Agency: Tripura Industrial Development Corporation Limited

Funded By: Asian Development Bank



DEVELOPMENT OF INDUSTRIAL ESTATES

S. No.	Industrial Area	Acres	District & Town
1	Bodhjungnagar Industrial Area	535.73	West Tripura (near Agartala)
2	R. K. Nagar Industrial Area	222.16	West Tripura (near Agartala)
3	Sonamukhi Industrial Estate	-	Unakoti (Near Kailasahar)
4	Dukli Industrial Estate	52.37	West Tripura (near Agartala)
5	Lalchhari Industrial Estate	52.14	Dhalai District
6	Dewanpassa Industrial Estate	46.28	North Tripura District
7	IIDC Sarasima Industrial Estate	32.55	South Tripura District (Belonia)
8	IIDC Jalefa Industrial Estate (SEZ)	41.27	South Tripura (Sabroom)
9	IIDC Santirbazar Industrial Estate	18.29	South Tripura (Santirbazar)
10	Nagichera Industrial Estate	31.02	West Tripura (near Agartala)
11	Kumarghat Industrial Estate	45.66	Unakoti District, Kumarghat
12	Badharghat Industrial Estate	20.52	West Tripura (near Agartala)
13	Dhajanagar Industrial Estate	18.79	
14	A. D. Nagar Industrial Estate	8.41	
15	Dharmanagar Industrial Estate	7.95	North Tripura District

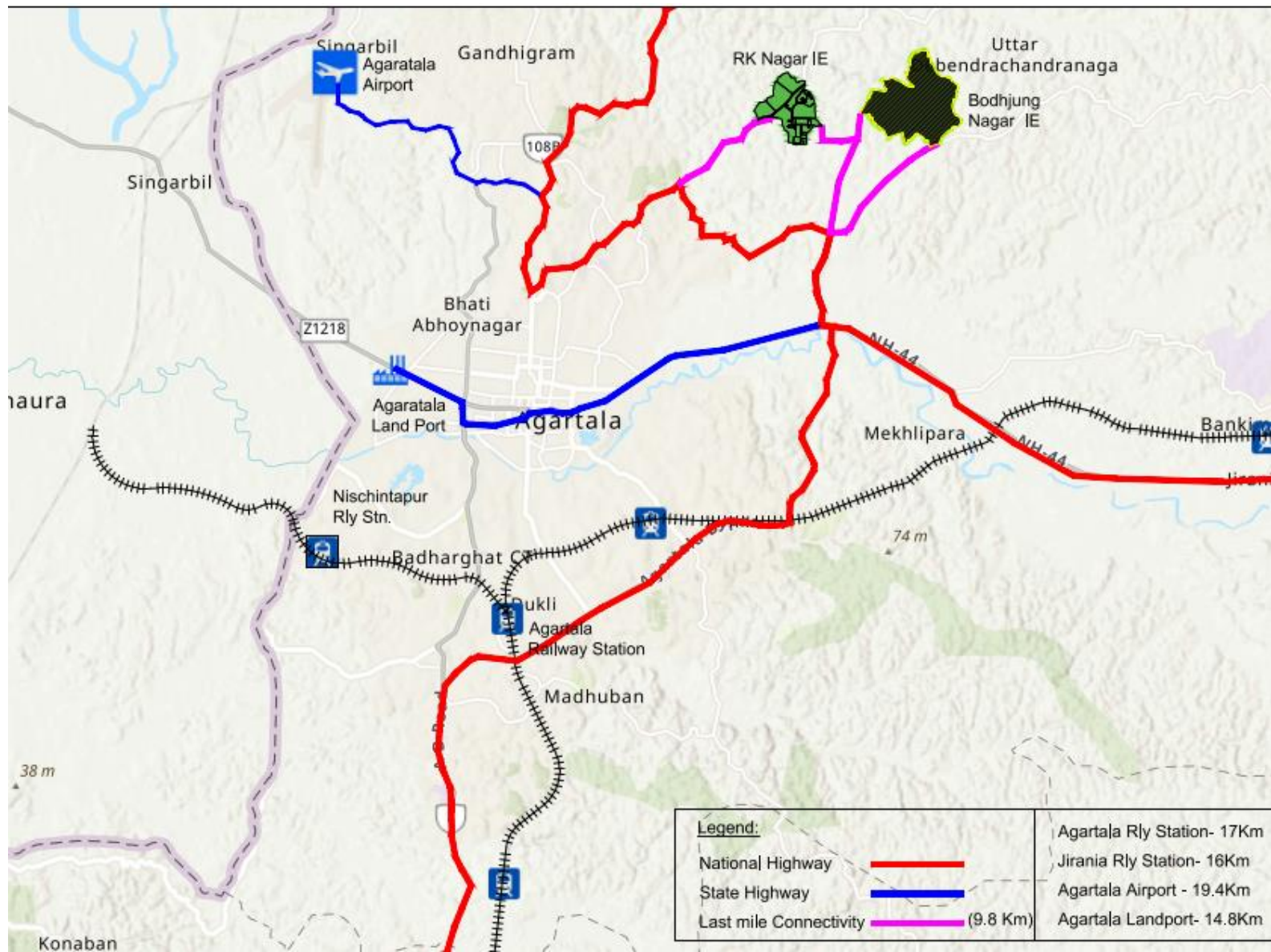
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CONNECTIVITY

BODHJUNG NAGAR AND RK NAGAR



CHALLENGES

1

Have international borders

2

Topographical constraints

3

Poor connectivity with rest of the country

4

High disaster proneness – Earthquake Zone 5

5

High cost of Travel in urban areas

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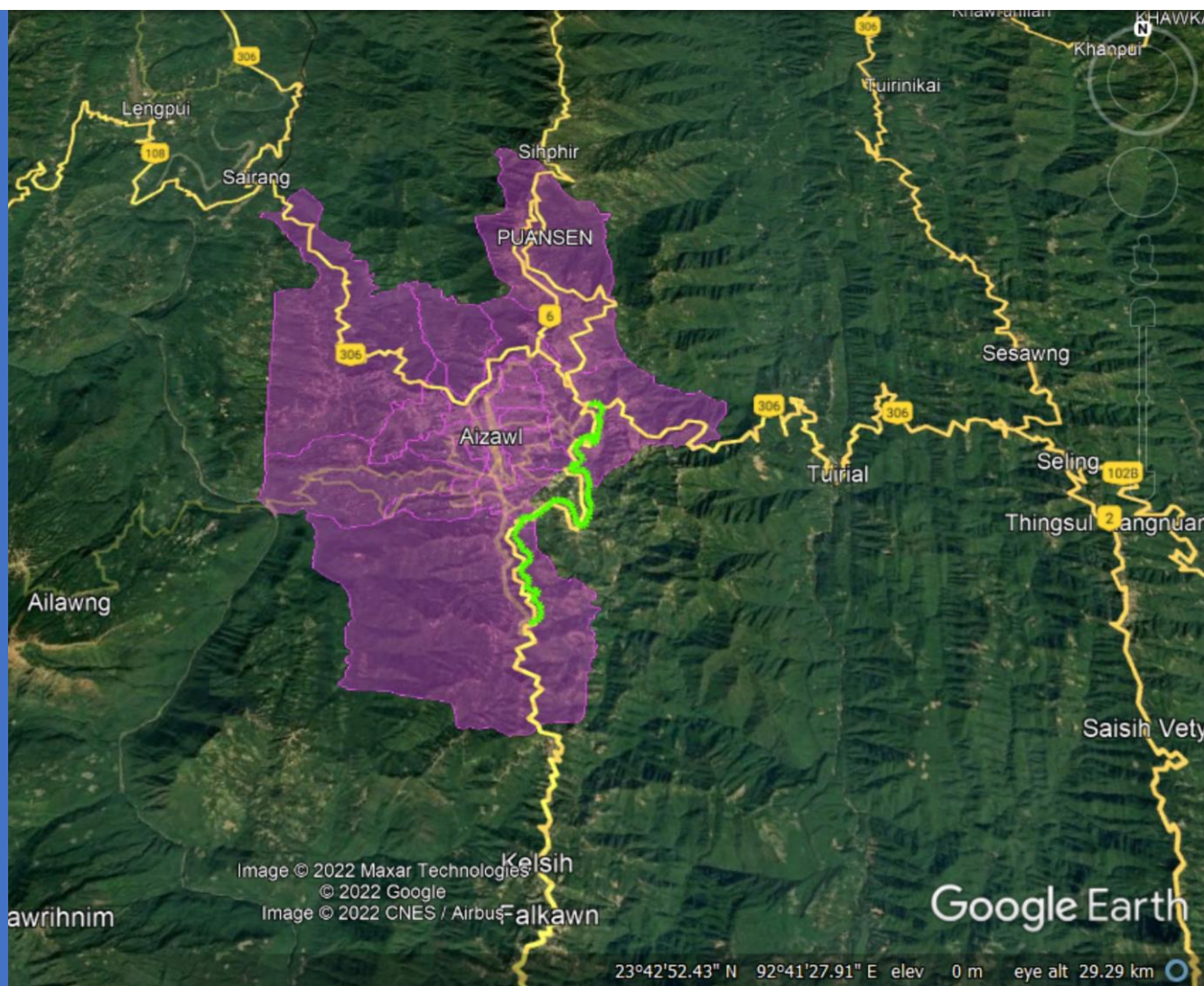




PLANNING FOR INTEGRATION IN AIZAWL

Aizawl City

- Area under AMC – 103 sqkm
- Present Population of AMC estimated at 3.6 lakh
- Future projections by MP-2040 is **8.0 lakhs by 2040**
- 429 km road length



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1

Average age of
vehicles

Two wheeler – **3.5 yrs**

Car - **5 yrs**

Two wheeler taxi – **2.8
yrs**

Car taxi – **6.2 yrs**

2

Road space
**80% has less
than 8m RoW**

**90% of roads
have no
footpaths**

3

Staircases 850,

Car Taxi stand
129,

Bike taxi stand
41 and

93 Bus stops
across city

4

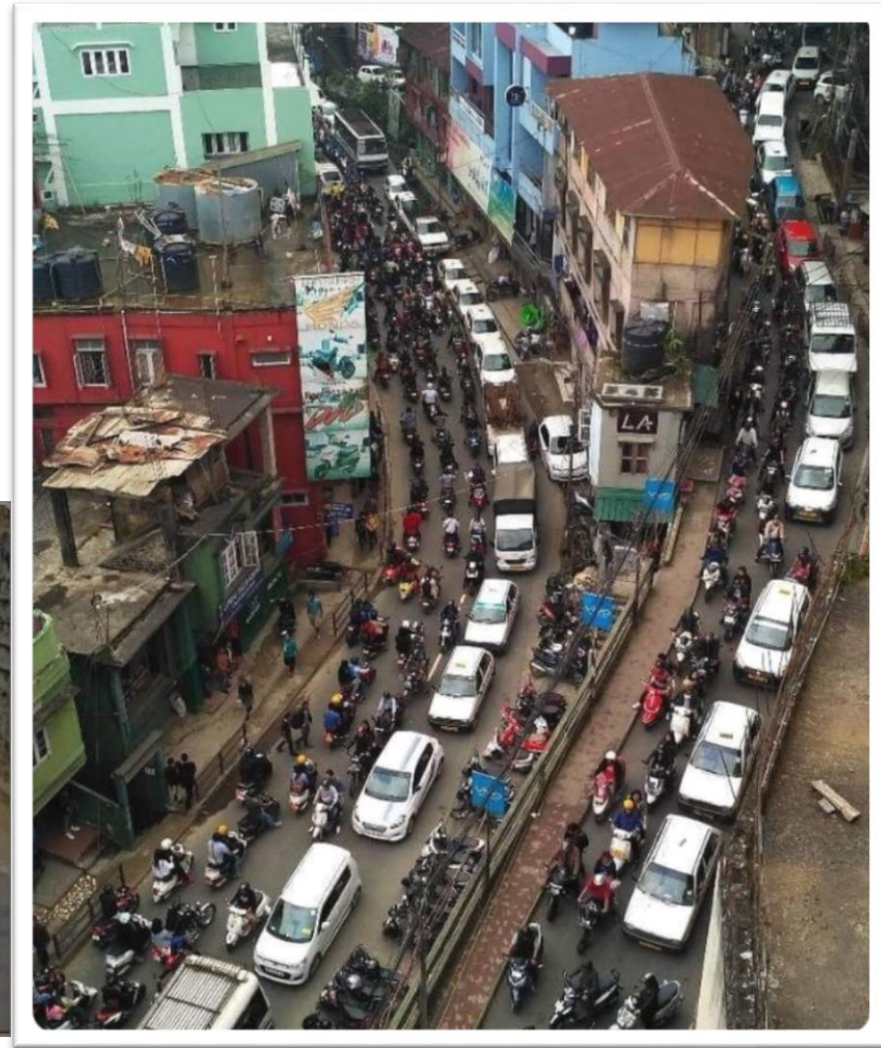
Cost of
travel
10% of
average
HH income

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THUMPS UP: TRAFFIC DISCIPLINE



WAY AHEAD



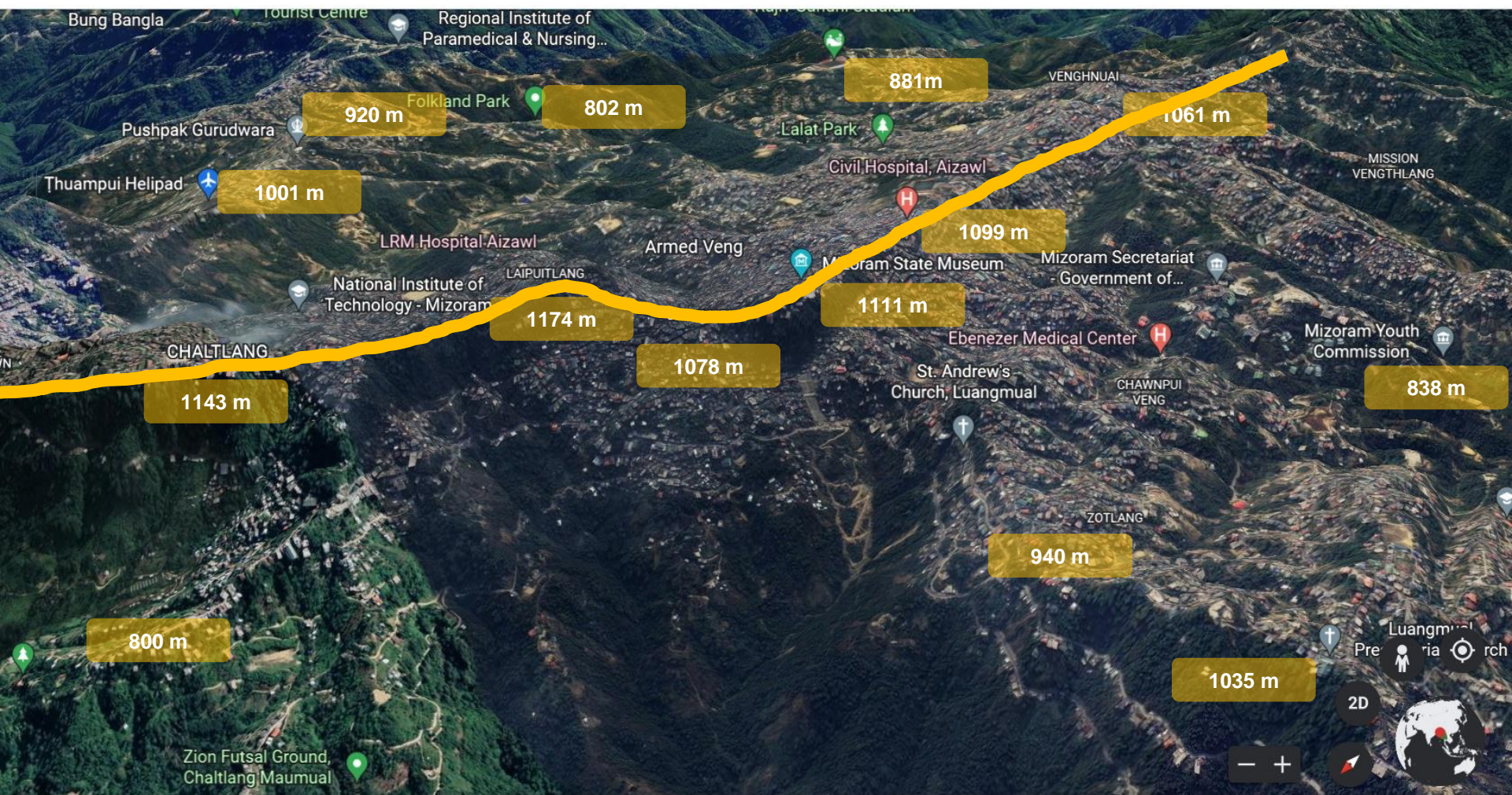
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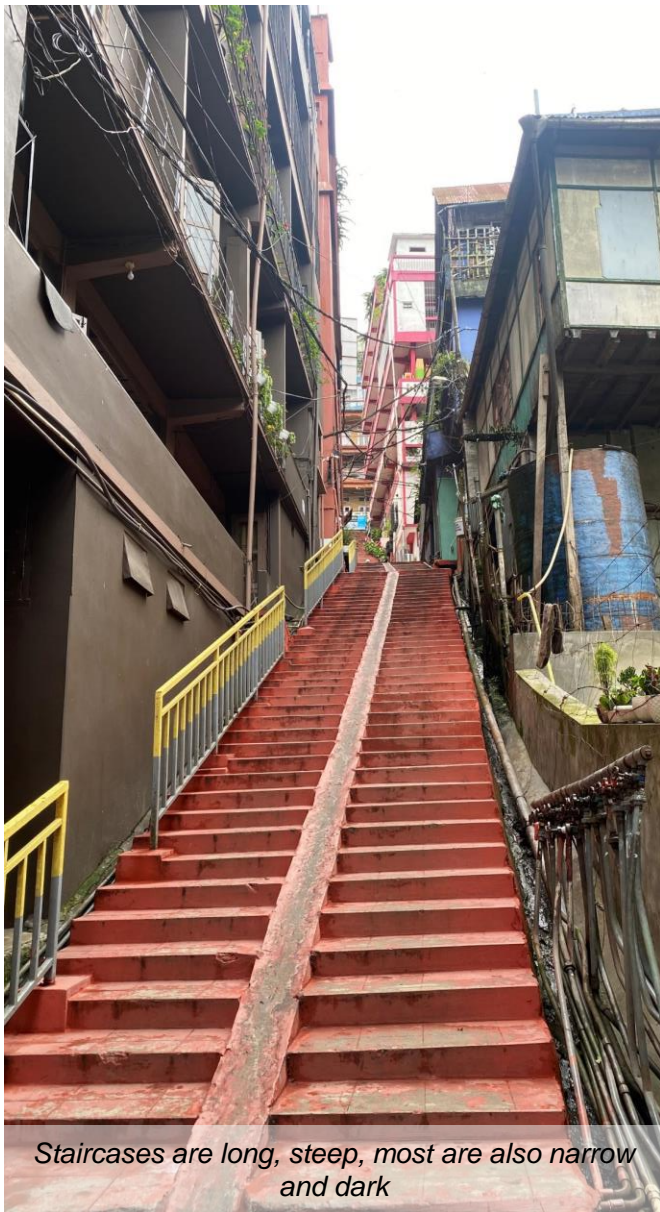
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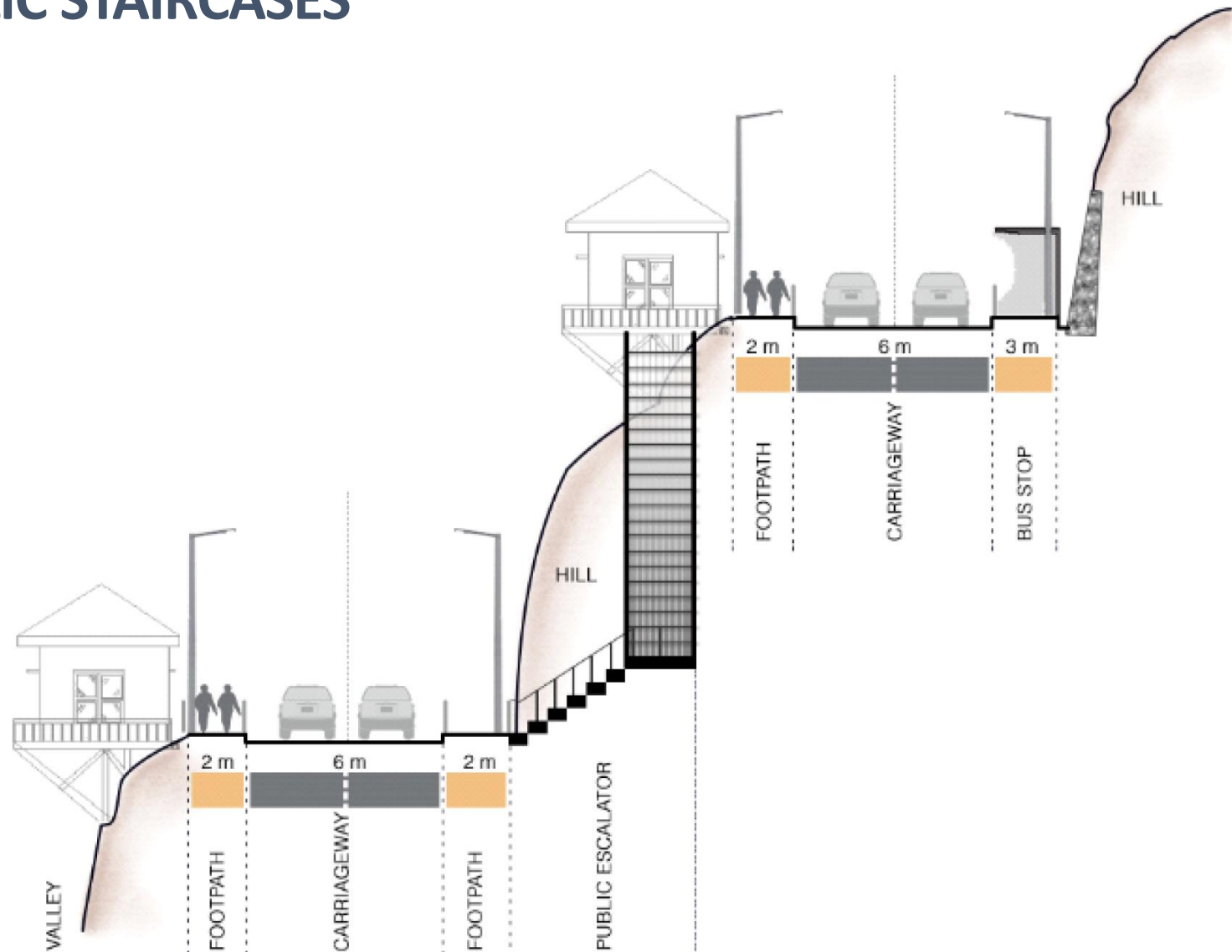
INTEGRATION

- **Non Motorised Transport**
- **Public Transport through Ropeways and Funiculars**

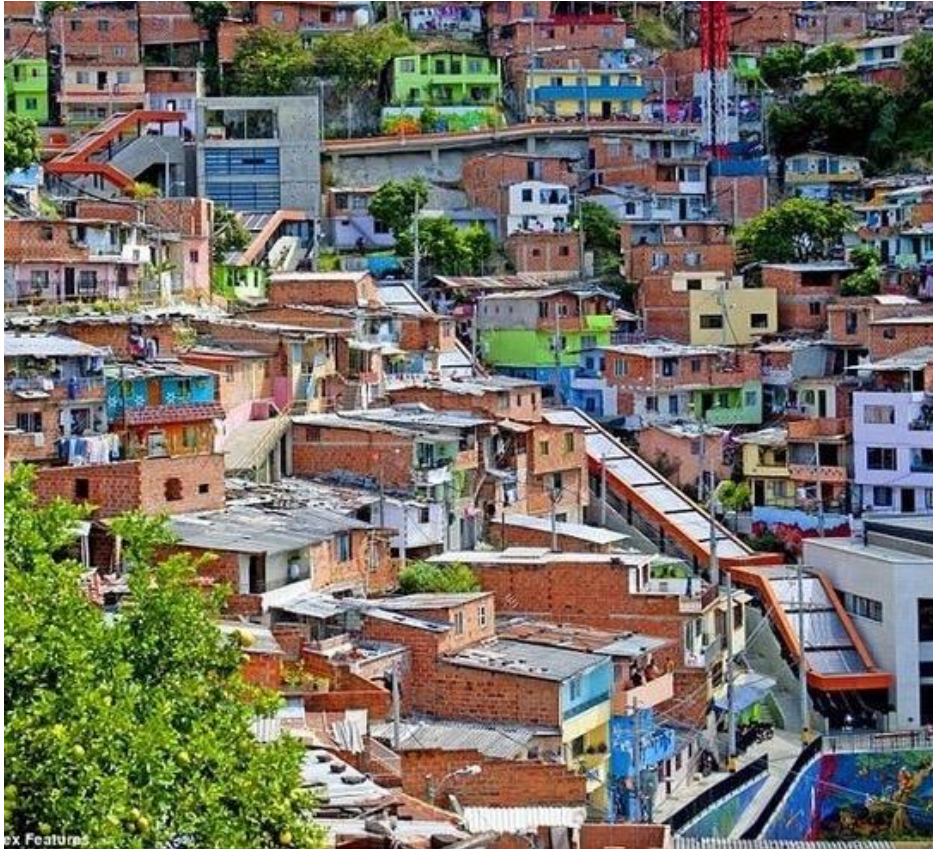




PUBLIC STAIRCASES



MEDELLIN, COLOMBIA



Comuna 13 neighborhood - 231,000 residents
Opened in 2011
Previously: 28 stories of elevation (350 steps)
25 minutes arduous walk → comfortable 6 minutes
384 meter long – split in 6 sections

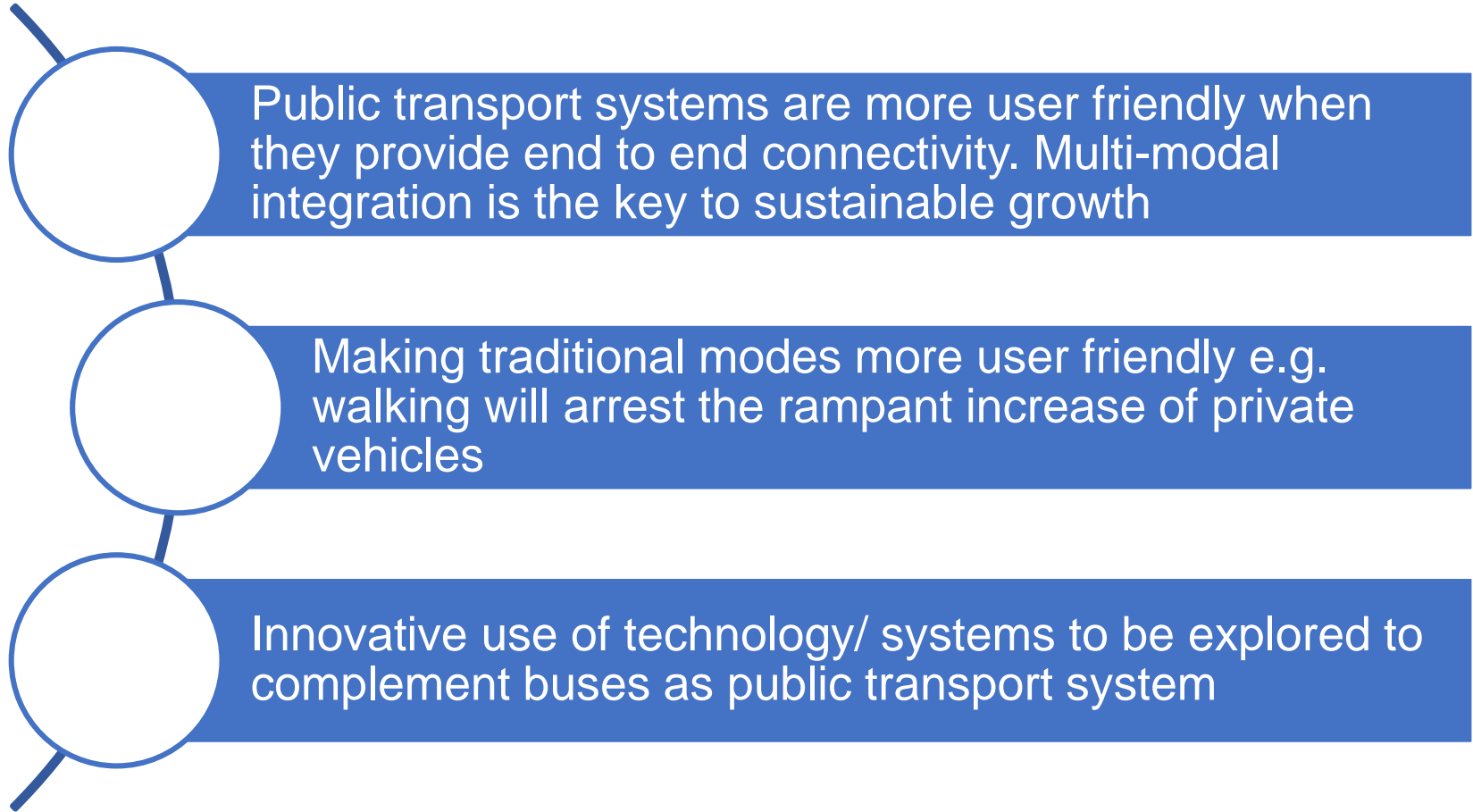




ROPEWAYS AND FUNICULARS



CONCLUSION



THANK YOU