

Achieving Sustainability – Through:

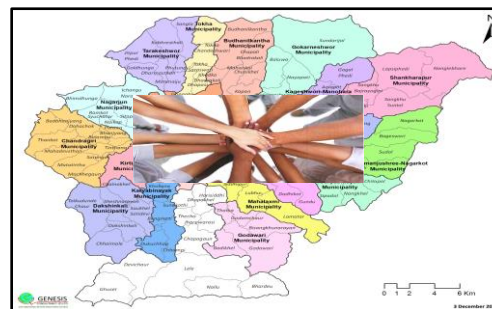
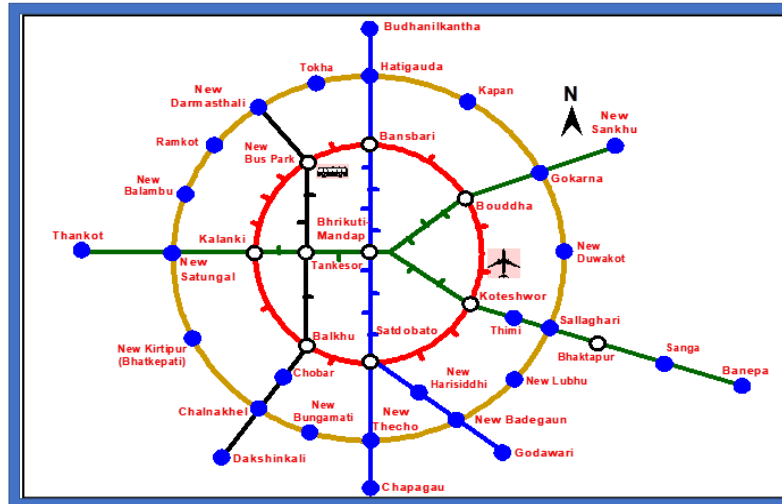
- Promoting Environmentally Sustainable Transport (EST) such as MRT, electric vehicles (EVs), bicycle and pedestrian lanes, smart traffic lights, green spaces.
- Safeguarding of heritage and historical sites and preservation of vernacular architecture and natural environment.
- Encouraging efficient and integrated coordination amongst all municipalities.
- Public /community/stakeholder's participation and engagement at various levels of governance.

Healthy and sustained lifestyle with conserved culture, heritage and pristine environment



Disclaimer: Due credits to various sources of photographs and maps.

Schematic Plan of Metro Rail Development with Integrated Municipalities & Transportation Systems



- Kathmandu Line
- Patan Line
- Bishnumati Line
- Chakrapath Line
- Valley Line
- Underground Station
- Overground Station



Greater Kathmandu Valley Metro Rail Advocacy (GKV-MRA) Group

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Integrated, Safe and Sustainable Public Transportation System



A Vision for Metro Rail Development in Greater Kathmandu Valley

Mission Statement

Advocacy for An Integrated Public Transportation System for Kathmandu Valley with Metro Rail System at the Core.



By Greater Kathmandu Valley Metro Rail Advocacy (GKV-MRA) Group

Challenges

IMPROVE AIR QUALITY FOR HEALTH SECURITY



CONSERVE HISTORICAL & HERITAGE ASSETS



MANAGE TRAFFIC CONGESTION, ACCIDENTS AND URBAN SPRAWL



The Integrated Public Transport System includes 1) Metro Rail Transit at the core, 2) Bus Rapid Transit, 3) Commuter bus for the last mile, 4) Bicycle and pedestrian designated roads and lanes and 5) Pedestrian zones in cultural and heritage sites.

GKV-MRA Group's Objectives:

- **ADDRESS** prevailing issues of inadequate and unsafe public transportation system, severe congestions from haphazard urban development.
- **ENHANCE** safety, inclusive accessibility and efficiency through an Integrated Public Transportation System (IPTS).
- **REVITALIZE** Greater Kathmandu Valley without compromising on her internationally recognized historical and cultural assets and natural environment.
- **ADVISE** on scientific solutions for metro rail development to promote environment, public health, and economy.
- **SHARE** accrued national and international experience on metro rail development project.
- **SUPPORT** appropriate governance framework such as "The KV Public Transport Authority" and "KV Development Authority".

Approach

GKV-MRA Group aims to mobilize national and international expertise, knowledge and experience for building awareness about how metro rail development could be perceived to rejuvenate urban development in the context of Kathmandu Valley and beyond.

Outcome

An IPTS with MRT provides:

- Efficient movement of people using less land space than conventionally required by automobiles;
- Cities with public space for recreation, commercial usage and green spaces;
- Control over carbon emission, air pollution and thus significantly contributing to the overall improvement in the quality of life;
- Enhanced national image through conserved culture, heritage and pristine environment;
- Rejuvenation of Kathmandu Valley as an economic hub thus contributing to the national economy.

Planned Development Phases

Short Term (5 years)	Medium Term (5-10 years)	Long Term (10+ years)
Set up a fully mandated agency, e.g. Kathmandu Valley Public Transportation Authority	Reclaim streets and turn into parks and sites of cultural and heritage significance	Fully integrated Public Transportation System network
Prepare project definition for the first Metro Rail line including strategic environmental assessment and Transit Oriented Development (TOD) options	Conduct Environmental Impact Assessment and complete construction of the first Metro Rail. Commence TOD projects. Study feasibility of additional Metro lines	Successful Operation and Maintenance of first Metro Rail. Connect Metro with National / Regional Rail System
Run BRTs in four directional corridors, consider reviving trolley Bus as one of the BRTs	Run additional BRTs (if demand exists)	Expand and maintain as per demand
Run electric commuter buses in the communities linking to BRTs	Run more commuter buses	
Provide bicycle-prioritized/ designated roads and safe bicycle lanes on other roads	Expand bicycle corridors and pedestrianize more heritage city blocks.	
Provide preference to heritage conservation, free space and greenery		