Enhancing Social Inclusion and Innovations in Urban Transport Systems in Asia Pacific Cities: Pokhara Metropolitan City, Nepal

Virtual Expert Group Meeting (EGM)

11 Oct, 2023
Presentation Overview

- Introduction
- SUTI Assessment
- Inclusive Transport Policies at national and city level
- City specific survey and data analysis
- Conclusion and recommendation
Pokhara Metropolitan City (PMC): An Introduction

Area 464.26 sq. km
Administrative Units (wards): 31
Population: 513504, female slightly more than male

City of Lakes
Tourism capital of Nepal
Connected by 3 national highways, one international airport
HQ of Kaski District/Gandaki Province
Largest Metropolitan (area)
Second Largest Metropolitan (population)
SUTI Assessment

Data sources: Primary, secondary reports, when no data then national average

Data period: 2019-2023

Average SUTI value: 47.14
To provide access for all, promote environment friendly mode, prioritize public transportation….

Inclusive Transport Policies

National Level:

✓ Constitutional provisions: (non discrimination, social justice and right to employment in state structures)

✓ Access for all, promotion of environment friendly mode, prioritization of public transportation

✓ National Transport Policy (new drafted but not approved yet), National sustainable transport strategy

✓ Vehicle and Transport Management Act, Regulations

✓ GESI Guidelines (MoPIT)

✓ GESI components on other documents
Inclusive Transport Policies

Promotion of Mass Transportation, Electric Vehicles and NMT

PMC Level:
✓ Vision: Pokhara 2100
✓ Universal design concept
✓ GESI focused inclusive society
✓ Traffic Management Act
✓ GESI Guidelines (MoPIT)
✓ GESI components on other documents

Fare concession
Reserved seat
Wheelchair accessible physical facilities
Smart Transport System

ICT Policies, Act
- Clean Feed
- Broadband
- Satellite
- Electronic Transaction
- IT system directives
- …...

Smart Transport Technology
- Online ticketing
- Embossed number plate
- Smart driving licences
- RAIMS
- RAMS
- GPS vehicle tracking

Applications
- Ride Sharing app
- Sajha app

Issues:
- Lack of clear vision, policy on implementing ITS
- Fragmented efforts
- Resource constraint
Smart Transport System

Issues:
• No centralized database system even at federal level
• Hard to find local level transport related data

Population Data
• Central Bureau of Statistics
• .......

Department of Roads, MoPIT
• 3 days traffic count (160 stations across the country)
• Pavement condition survey
• Limited to National Highways

Others
• Statistics of Local roads (DoLI, 2016)
• Aggregated crash data records by Traffic Police
• Vehicle registration, Driving License (DoTM)
PMC Statistics (Census 2021)

Total Population: 513,504

Population with Disability: 1.9%

Female with Disability: 1.8%

Male with Disability: 2.2%

Features:
- More young age population
- Male more literate than female
- Disability mainly physical and low vision

Literacy Rate:
- Literate male: 94.2%
- Literate female: 83.7%
Descriptive analysis of survey data

**Features:**

- 567 HH surveyed (one respondent from each HH)
- More than 90% form students, service, business and housewife
- More than 90% has SLC or higher education
- About 18% some sort of disability
- 77% owned vehicles (86%) powered two wheelers
- Low penetration of electric vehicles

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Descriptive analysis of survey data

Features:
- Education and work trips amounts more than 75% of trips
- Public bus is preferred mode for those trips
- Bicycle trips are relatively low
- Very low (<10%) women involved in public transportation
- Seat reservation is the special provision for person with disability, women and elders
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Summary

Need:
- Vision, Mission and Goals
- Policy, plans and programs
- Proper institutional setup
- Strong political commitment
- Sustainable use of technology
- Balance between development and preservation

- Need for data driven decision making
- Capacity building
- Sustainable policy/plan based interventions
- Universal accessibility to maintain its name and fame
- Inclusive development
Thank you