



Data Requirement and Availability

TO MEASURE INDICATORS
DEVELOPED FOR LCMP

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Overview of Indicators developed

1. **Mobility and accessibility- Modal shares**
2. **Mobility and accessibility- Travel time**
3. **Mobility and accessibility- Trip length**
4. **Mobility and accessibility- land use parameters**
5. **Infrastructure quality, ease and comfort**
6. **Safety**
7. **Security**
8. **Affordability**
9. **Environmental impacts-Emissions, Fuel consumption**
10. **Environmental Impacts-land resource depletion**
11. **Health Hazards**
12. **Economic Indicators**



Measuring indicators requires Detailed HH surveys and Modelling exercise

- All modes
 - pedestrians,
 - bicycles,
 - public transport (bus formal),
 - public transport (tempos),
 - para-transit (cycle rickshaw),
 - para-transit (auto),
 - motorized two wheeler and
 - cars
- Across all sections of society
 - Slum dwellers,
 - Within the slums, of households living in katcha housing
 - Recent migrants to the city and temporary migrants to the city
 - Households living in relocated sites
 - SC households
 - Minority groups
 - street vendors etc.
 - Where required the data should also be disaggregated by sex.



City profile

Data required	Description	LCMP	CMP
Location	Geographical location	Y	Y
	Climatic condition	Y	
Land area	Total land area	Y	Y
	Growth pattern (Municipal corporation- Master plans)	Y	
	Identification of notified areas (Master plans)	Y	
Regional linkages		Y	Y
Demography	Population growth trend	Y	Y
	Number and size of HH	Y	Y
	Age-sex pyramid (census)	Y	
Socio-economic data	Population by social group* (census/NSSO)	Y	
	Population by income/expenditure at zone	Y	Y
	Vehicle ownership by social group	Y	Y

- Climatic condition
 - To build climate adaptive measures
- Growth pattern in previous years
 - To determine distribution of activities in BAU and alternative scenarios
- Identification of notified areas
 - These are the restricted areas where the urban dynamics of distribution of activities does not occur
- Age-sex pyramid
 - This determine number and type of trips likely to occur (education, work, etc.)
- Population by social group
 - This factor is important for inclusive planning in cities



City structure

Data required	Description	LCMP	CMP
Land use pattern	Map	Y	Y
Population density	Disaggregated at the level of study	Y	Y
Mix intensity	Determined by job-housing ratio or balance in a zone or level of study	Y	
Land consumption by land use		Y	Y

- **Mix intensity**

- It is an important component of urban form having impact on
 - trip length,
 - number of trips and
 - thereby mode choice.
- Data sources- Housing (Census) and Jobs (ITO/NSSO)





Transport Network Inventory - Pedestrians

Along Road

Name of road	Width of footpath (m)		From	To	Length (km)	Encroachment/ other barriers	Pavement condition	Lighting		Clear marking	Segregation tools to separate footpath from MV lane	Barrier free design
	L	R						Left	Right			
						Parking/ vendors/trees/ light poles/ other services	Rated	y/n	y/n	Direction/properly/ zebra crossing / intersect	kerbs/ green belt/ fences/ etc.	Access at entry/ guiding tiles/ audible

At Intersection

Name of intersection	Type of intersection	Type of crossing	Signalized	Pedestrian accentuated signal	Traffic calming tools	Crossing distance	Barrier free access
	At grade/ flyover/ clover leaf, etc.	Level/ raised/ grade separated	y/n	y/n	Rumble strips/ speed breakers		guiding tiles/ audible pedestrian crossing



Transport Network Inventory – NMV

Along Road															
Name of road	Width of NMV lane (m)		From	To	Length (km)	Encroachment	Pavement condition	Lighting		Clear marking	Segregation tools to separate NMV lane from other modes				
	L	R						L	R						
						Parking/ vendors	Rated	y/ n	y/n	Direction/ property/ intersection	In existing CMP from footpath only				
At Intersection															
Name of intersection		Type of intersection		Type of crossing		Signalized		NMV accentuated signal		Traffic calming tools		Crossing distance		Other facilities	

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_15883

