PARKING POLICY 2.0 & PARKING MANAGEMENT PLAN

Bengaluru





Directorate of Urban Land Transport

Urban Development Department, Govt. of Karnataka.

Parking Policy, 2012

BBMP adopted DULT's Parking Policy in March 2012 where parking is no longer a free service.

Detailed Parking Action Plan prepared by the DULT for core Bengaluru area – covering 20 sq. km.

- 85 roads in CBD proposed to include smart parking
- BBMP implemented it on some key roads











PARKING POLICY 2.0

FOR BENGALURU

Final - December, 2020





Parking Policy 2.0

Since the policy adoption in 2012, changes in demand for parking:

- Vehicle numbers have doubled in the last 10 years
- Operations of Namma metro
- TOD zones in the masterplan
- Rapid conversion of residential to commercial use without compliance with parking norms

4 Main Objectives

Parking Policy 2.0

#1
Move from chaotic parking to well organized parking

#2
Move from free
parking to paid
parking

#3
From government
driven parking supply
and management to
market driven parking

#4
From passive
enforcement of
parking regulations to
active management
of parking demand

Streamlining Commercial On-street Parking

- Promoting NMT -Space for 10 bicycles in each parking lot.
- Prioritizing pick-up/drop-off, loading/un-loading
- Prevent long term on-street parking through pricing mechanism
- On-street parking restricted close to junctions, pedestrian crossings & high traffic roads
- On-street **parking prohibited** around transit nodes and MLCPs

Restriction on Residential On-street Parking

- Permit for residents to park for a fee in a designates area/ street
- Permit does not guarantee a parking spot
- Permits not issued to applicants in buildings violating Zonal Regulations



Parking regulations for TOD influence zone

- Reduced building parking norms in TOD Zones
- Residential use buildings
- a. One parking per two dwellings, for DU < 50 sq.m
- b. One parking per Dwelling Unit for DU > 50 sq.m.
- c. 10% of total parking as visitor parking
- d. Additional parking shall be **included in the FAR** & a part of it may be handed over for **public use**
- Multi Sectoral Industrial parks
- a. Provision of **bus-stops** within the premises
- b. Facilitate common parking facilities

Adoption of Technology for Parking Management

- Public parking related information to be integrated in **Central Parking Portal.**
- Private players/operators/start-ups may be encouraged to provide innovative **technology solution** for parking

Central Parking Portal (Interface between User and Civic body)







Smart Parking using Apps – Find a spot

Parking Pricing Strategy

- Base parking fee greater than public transport fare
- Higher pricing for on-street
- **Differential pricing** based on land-use
- Free bicycle parking
- Charges for other vehicles determined based on PCE
- Bulk parking fee mechanism for shared mobility and e-commerce vehicles





Parking on Street 1.5x - 3x



Parking in MLCP

Parking Revenue Utilization



- **Public Transport**
- Infrastructure (bus stop, bus bays, IMTH)
- Extended network
- Subsidy

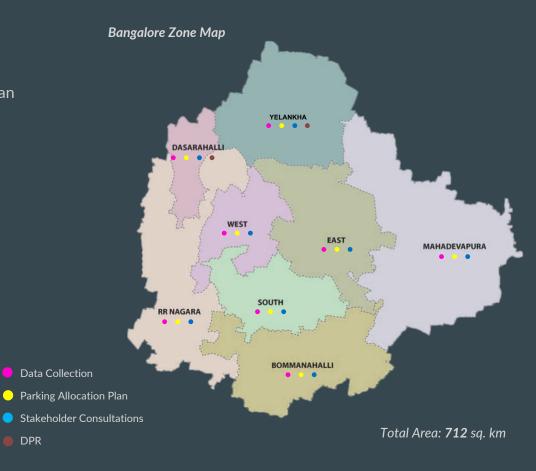
- **Active Mobility**
- NMT
 Infrastructure
- Improve
 - Public Realm

- **Pedestrian Safety**
- Awareness
- Traffic
 Management

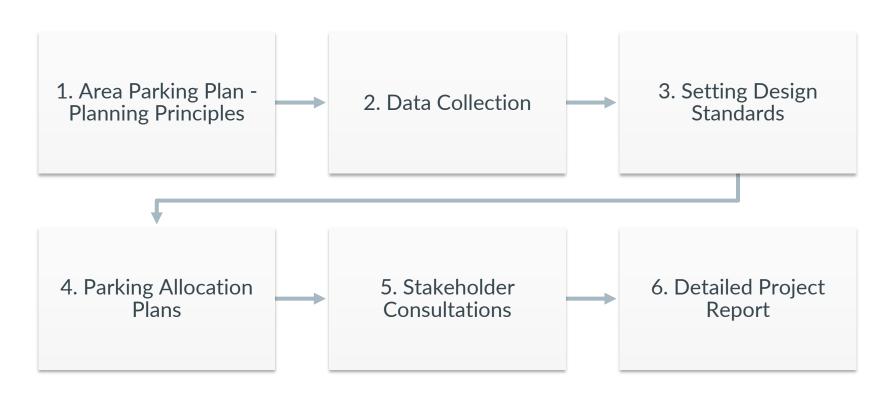
Area Parking Plans

- Policy recommends preparation of parking plans at an area level
- Area Parking Plans to be prepared initially by DULT
- Implementation by BBMP
- Zonal Task Force with BBMP, Traffic Police and Transport Department representatives to review, approve and implement.
- Area Parking Plans being prepared for 8 zones of Bangalore.

DPR



Approach and Methodology



Step 1: Planning Principles

Parking has been provisioned for



Cycle/ SMMS stands at every 200-250 m/ on major roads and close to junctions



Pick-up & drop-off (PND) bays at mid-blocks (centrally located)



Parking spots for people with disability (PWD) near junctions



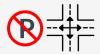
Loading- unloading bays as required in market areas



Auto-stands on roads adjacent to major roads

Step 1: Planning Principles

Parking has not been provided on



10m / 25m buffer from minor / major junctions



250m radius from MLCP / Transit Nodes



On High Density Corridors & major bus routes with high frequency



20m on either side of bus-stops

Step 2: Data Collection





ArcGIS Collector app used for data collection

995
New
C,N
1st main Road
TwoWay
Commerci
aben space
open space
3.5
2
0
0.75
Parallel
Authorised
6
40
0
10
0
1
0
13
0
0
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1

	Landuse_RHS
	Landmark_RHS
	CW_RHS
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=	ParkingType_RHS
-	Legality_RHS
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	Bike_RHS
	PBS_Cycle_RHS
	Cycle_RHS
=	LanduseRemarkRHS
=	PrivateBus_RHS
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Total Road Length Surveyed: 1089 km

Step 3: Setting Design Standards

Parking Bay Type Parking Space Dimensions Four Wheeler 1 Four Wheeler space- 2.5m x 5.5m FW FW FW FW Two Wheeler space 1 Two Wheeler space- 1m x 2m SMMS + Cycle + Two Wheeler 1 SMMS- 1m x 2m 1 Cvcle- 1m x 2m SM 1Auto- 2m x 3m Auto

- Parking in modules of minimum 2 ECS & maximum 4 ECS (in continuity)
- After every 4 ECS, a break in the parking physical/ notional in order to avoid a wall of vehicles
- Each break will be a furnishing zone. Can have landscaping/ signages/ parking meters/ street furniture etc.

Factors considered before allocation of parking



- Road width
- Cycle Network
- Presence of Transit Nodes
- Presence of MLCP



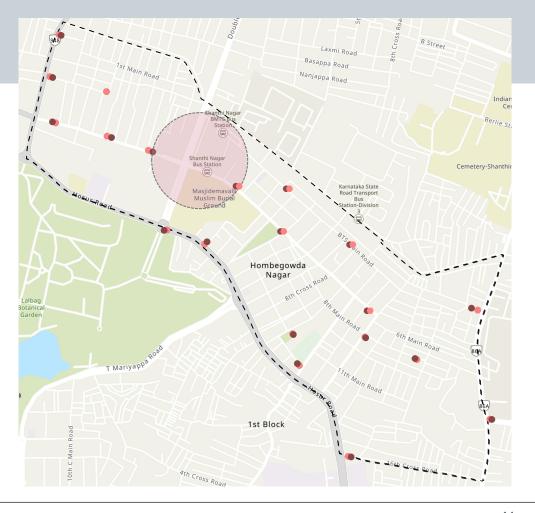
- Cycle
- **Shared Micro** Mobility





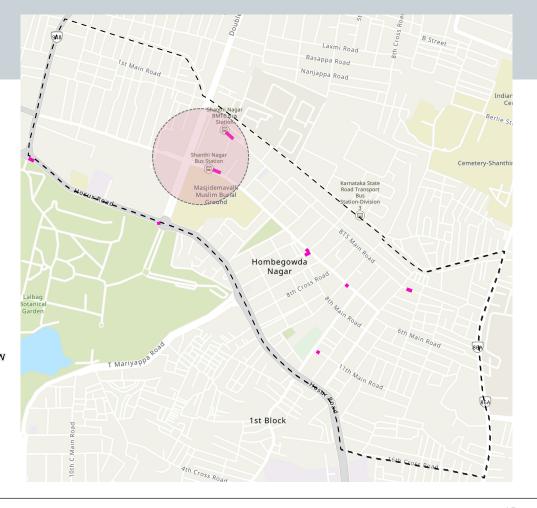


Roads with High Traffic



Factors considered before allocation of parking

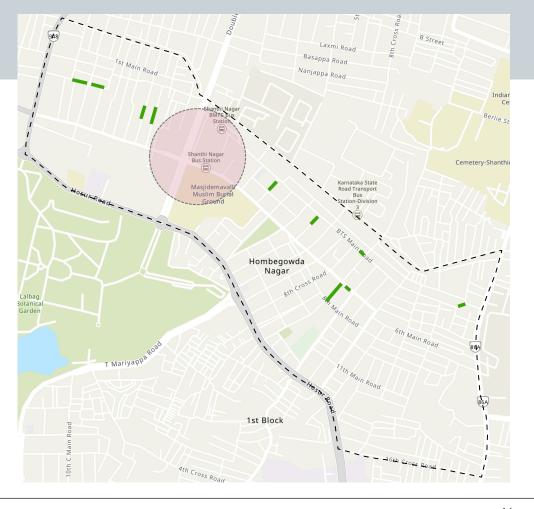




Traffic

Factors considered before allocation of parking

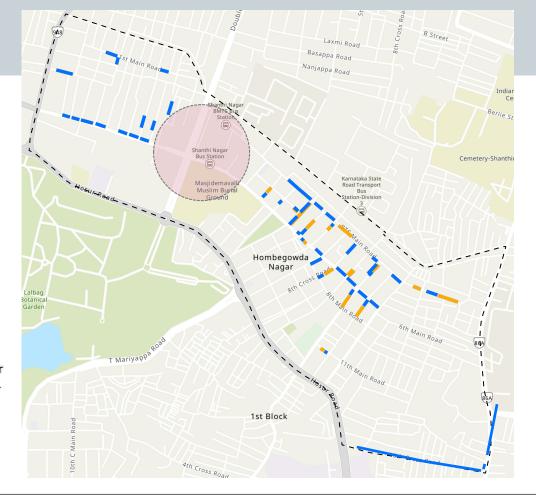




Roads with High Traffic

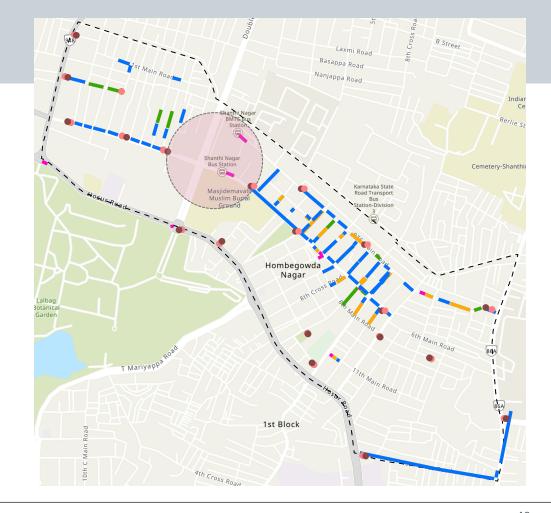
Factors considered before allocation of parking





Roads with High Traffic

,	Vehicle Type	Existing Parking	Proposed Parking
•	Cycle	17	180 👚
•	SMMS	8	135 👚
	Four-Wheeler	435	93 👢
-	Two-Wheeler	1647	1027 🖶
	Loading/ Unloading	-	20 👚
	Autorickshaw	44	33 👢



Step 5: Stakeholder Consultations

Preliminary Task Force Meeting for overview of Parking Policy and Draft Allocation Plans (Task Force – Zonal JC, BBMP officials, Traffic Police, RTO)

Ward-wise Consultations and Joint Site Inspections (with jurisdictional BBMP & BTP officers)

Revision of Parking Allocation Plans by DULT as per feedback received from stakeholders

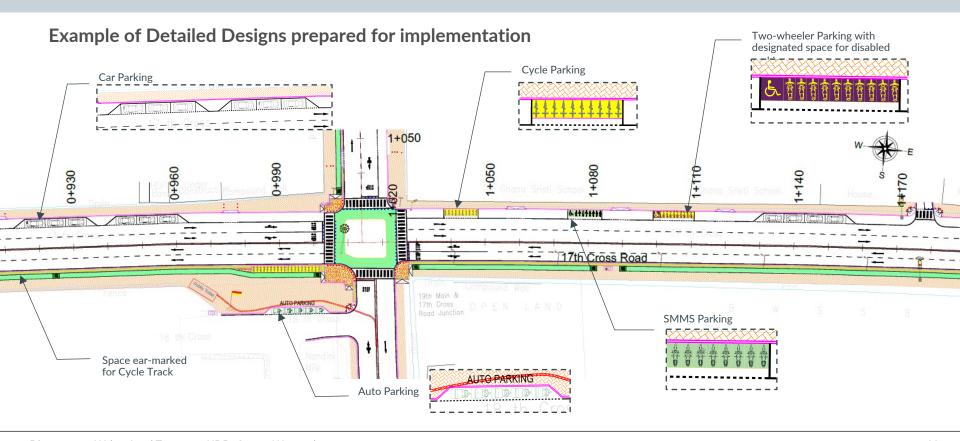
Final Task Force meeting chaired by Zonal JC for appraising on the revised parking allocation plan and obtain concurrence of stakeholders







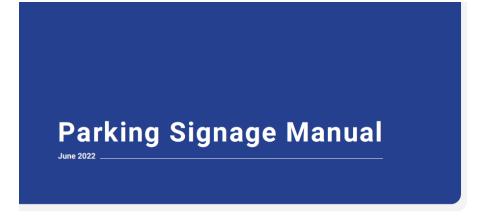
Step 6: Detailed Project Report



Parking Signage Manual

- Parking Signage Manual has been prepared for aiding implementation of Parking Plans
- On approval, it will be uniformly applied throughout the state
- 3 categories of parking signage



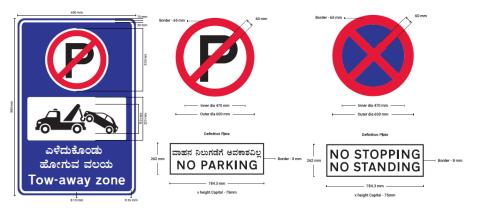




Informatory Signage

Regulatory Signage





Parking Permits*





shaping the way cities move



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