



About

This presentation has been developed by Centre for Environment Education, Prasanna Desai Architects and Innovative Transport Solutions Pvt Ltd for Pune Municipal Corporation under the project for preparation of a Comprehensive Bicycle Plan for Pune. The project is financially supported by the Government of India, Ministry of Urban Development and the Pune Municipal Corporation.

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GROWTH OF MOTORIZED TRAFFIC IS A PROBLEM!

Transportation is one of the main civic issues identified by Pune's citizens.



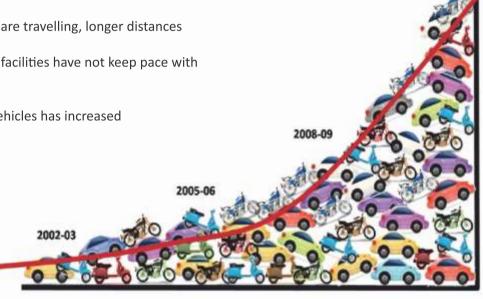
Caught in congestion

Unhealthy

Unsafe

GROWTH OF MOTORIZED TRAFFIC IS A PROBLEM!

- The city has grown, more people are travelling, longer distances
- Public transportation and cycling facilities have not keep pace with • the growth of the city
- The number of personal motor vehicles has increased •



Over 500 cars and two-wheelers are registered everyday in Pune region

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Warrier,

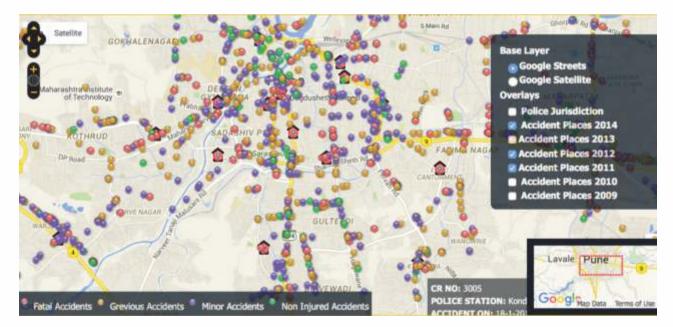
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GROWTH OF MOTORIZED TRAFFIC IS A PROBLEM!

Approximately 1500 road accidents take place annually in Pune The increase in motorized traffic is an underlying cause





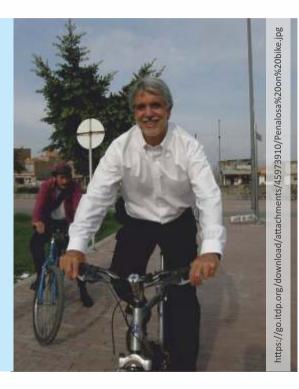
Inspiration

Widening roads and building flyovers are not real solutions. These invite more personal vehicles and increase congestion.

"Trying to solve congestion by building more roads is like trying to put out a fire using gasoline!"

"A great city is not the one that has highways, but one where a child on a tricycle or a bicycle can go safely anywhere."

Enriqué Peñalosa (President of Colombia)



U Turn in Transportation Planning in Pune

- The PMC General Body approved Pune's Comprehensive Mobility Plan in 2012
- The Vision articulated in the Comprehensive Mobility Plan (below) is in line with the National Urban Transport Policy, 2006

"Moving people safely and economically by emphasizing **public transport and non-motorized transport."**



Major Components of Pune's Comprehensive Mobility Plan



Mobility Corridors & road design



Traffic Management



Public Transport



Passenger/ Commercial Terminal



Walk & Cycle



Travel Demand Management



Road Management & Maintenance



New links

Strategy

A number of projects are underway to make the Vision statement of the Comprehensive Mobility Plan a reality. These include adoption of street design guidelines, initiation of work to develop more than 100 km of pedestrian friendly roads, initiation of work on two new BRT corridors, support to PMPML for purchase of buses and organizational strengthening, preparation of a transit hub, etc.

Pune Cycle Plan

- A part of the city's transformation in transportation
- Being prepared in 2016
- Supported by the Ministry of Urban Development, Govt. of India



Safe rides for everyone, everywhere



Terms of Reference

Creation of a city-wide cycle track network and cycle-safe streets

A city-wide Public Bicycle Scheme with a detailed project report for a pilot project

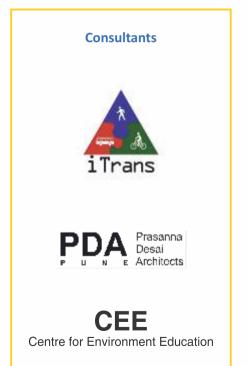
Bicycle Parking Facilities

Integration with Public Transit

Design Guidelines for planning and implementing cycle-friendly infrastructure

Institutional Mechanisms, **Capacity-building and Financial Planning** for implementing the plan

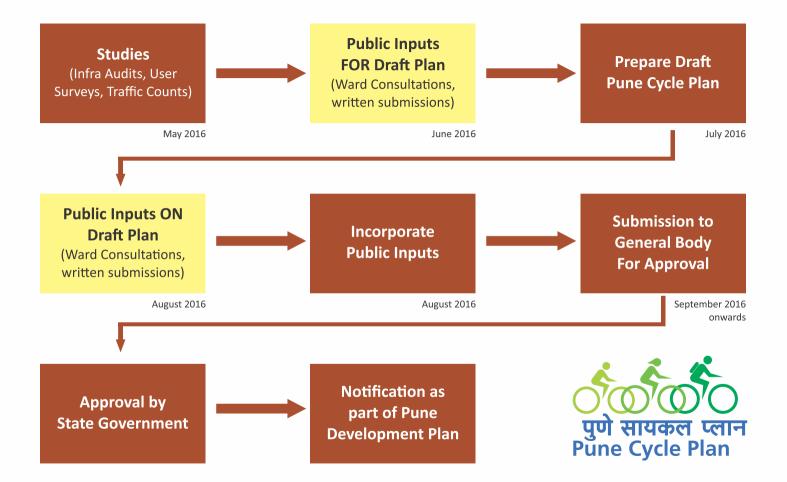
Strategy for **Cycling Promotion** and **Awareness and Education** Campaigns





VISION

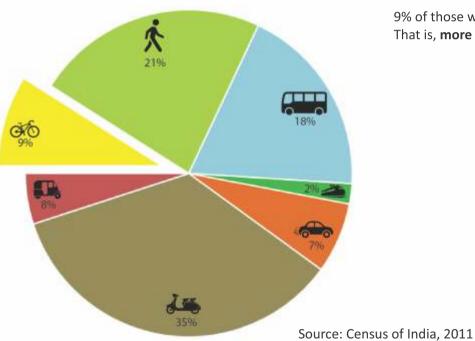
1 Current & Future Cyclists	2 Retain Cyclists	3 Long Trips	4 Short Trips	5 Safe Behaviour
Safe, convenient, comfortable cycling conditions for existing and future cyclists	Current cyclists don't shift to motorized modes	Long distance private trips are converted to cycle + public transport	Short trips are by walk and cycle instead of motorized modes	Supportive, safe behavior by motorists towards non-motorized modes



PUNE CYCLE PLAN



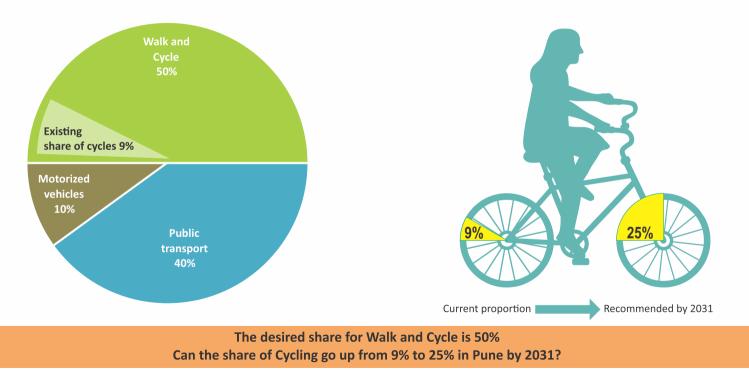
Cycling and other modes of transport in Pune



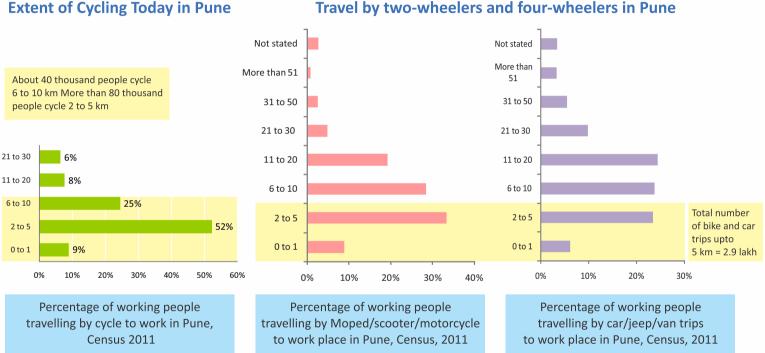
9% of those who travel to work, do so on a cycle That is, **more than 1.6 lakh people cycle to work in Pune**



The Comprehensive Mobility Plan recommends this proportion of modes of transport by 2031







Travel by two-wheelers and four-wheelers in Pune

Could trips up to 5 km be done by bicycle instead of by motorized two-wheeler or car?





Pune's Cyclists



Informal Workers

Students, office goers

Professionals

Delivery men

Home & personal trips Recreational cyclists

How can the city make cycling safe, convenient and attractive for current and future cyclists?

Recreational cycling is a great way to promote cycling. Could recreational cyclists also go to work on cycles?

STUDIES FOR PUNE CYCLE PLAN

EXISTING CYCLE TRACKS – AN OPPORTUNITY

The existing cycle tracks cover over 90km of distance across the city. This can be made usable by connecting the missing links, improving existing designs and strictly preventing other activities in the cycle tracks.



*1. CYCLE TRACK AUDIT - **R**ED **O**RANGE **G**REEN ANALYSIS On-street survey for assessment of width and land-use

NON -CYCLABLE



SEMI- CYCLABLE





CYCLABLE



STUDIES FOR PUNE CYCLE PLAN

- ^{*}2. On-street survey for assessment of width and land-us
- Destination mapping educational institutes, industrial areas, IT hubs, commercial areas, markets, restaurants, theatres, heritage/ tourist spots, gardens and parks, bus stops, railway stations
- 4. Traffic Volume Counts
- 5. User Surveys
- 6. Stakeholders Consultations

Mapping Destinations - Schools in Pune City



*marking in clock wise direction (solapur onwards)



CORE CITY	BANER ROAD	
SOLAPUR ROAD	UNIVERSITY ROAD	
SATARA ROAD	OLD MUMBAI PUNE HIGHWAY	
SINHAGAD ROAD	ALANDI ROAD	
KARVE ROAD	NAGAR ROAD	

*continued



Cycle Network



Segregated cycle track on arterial roads



Painted cycle lane in collector roads



Cycle Network



Traffic calming to make internal streets cycle-safe



Cycle only greenways



Junctions



Identified waiting spaces for cyclists at junctions



Cyclist phase



Cycle Parking





On-street parking

Off-street parking



Examples





Cycle Parking in Perth

Cycle Parking with a quick shower booth in a university campus



Link to Public Transport



Rainbow BRT, PMPML Bus Stops, State Transport Bus stands, Railway Stations





Cycle Parking shelter for security

Cycle Parking right at the station platform



Signage

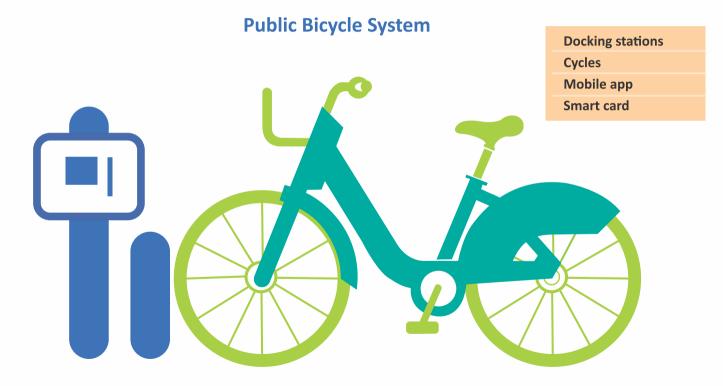


Signage Design Code of Practice, Road markings and Signage

Parking signage at a transit hub showing directions to train station, bus station etc.

Education about signage related to cycling



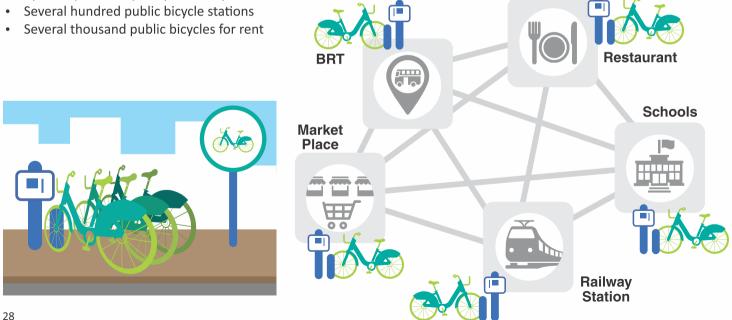




Public Bicycle System

Users can check out a cycle from any cycle station at any time of the day, use it to go anywhere they want to, and then return it to any cycle station located nearby their destination.

A city-wide public bicycle system may have





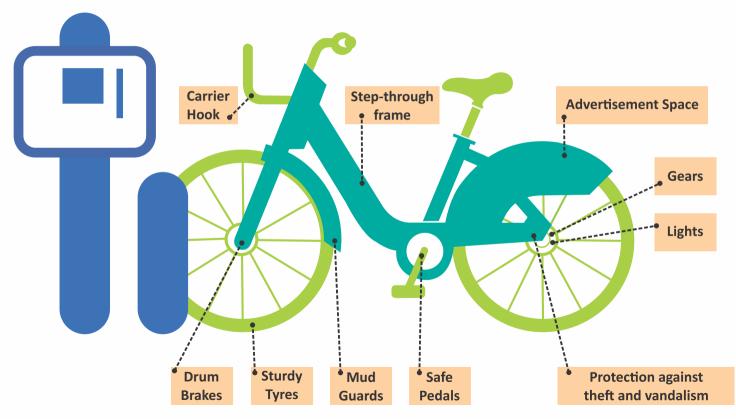


Using Public Bicycle System - 4 Easy Steps









PUNE CYCLE PLAN



Cycle-friendly Infrastructure



Cycle Network

- Cycle tracks •
- Cycle lanes •
- Cycle only • greenways
- Traffic calming • to make internal streets cycle-safe

Junctions

- Cyclist phase •
- Identified • waiting spaces for cyclists
- **Cycle Parking**
- On-street • parking
- Off-street • parking
- Private cycle . parking

Link to Public Transport

- •
- stations

Signage

Code of

•

- practice
- Road marking •
- Signage •
 - Education

- **Public Bicycle**
- Docking stations
- Cycles •

System

- Mobile app •
- Smart card

Bus stops Railway

about signage

PARTNERSHIP POSSIBILITIES

Cycle Friendly Workplaces

- · Infrastructure Convenient cycle parking, shower and clothes line, on-campus cycles, cycles for errands
- Incentives
 - Cyclists arrive 20 mins late or leave 20 mins early
 - Those who cycle for whole month get cash reward.
- Provide easy loans or gift cycles
- Cycle Culture Cycle Day, Cycle Week
- Show cycling activities as part of ISO/TS certification



Cycle Oriented Educational Campus

- Gate management for students to cross safely
- Teach cycling and responsible behaviour, partnership with Traffic Police Road Safety Patrol
- School projects on how students come to school, audit footpaths and cycle routes to school, feedback to PMC
- Cycle Repair Service run by students
- Visible, convenient, secure cycle parking



WARD MEETINGS



Punecycleplan.wordpress.com



Pune Cycle Plan

safe rides for everyone, everywhere

Bench

Pune Cycle Plan 2018

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A Cycle Plan for Pune

पूर्ण सारणका आरहण्डतः * नगरन्त्रविध्वने लिक्ति का

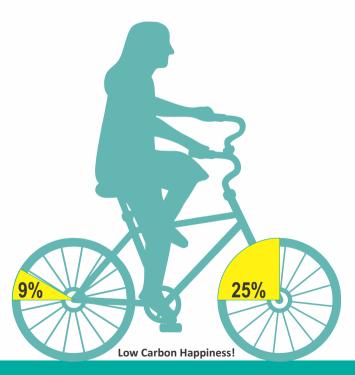
"Plane care for a city unknow pergete Ford cycling, axing public transport and working convenient, convPortable, and/ and attentive. Tell one brea PMC care indeprove are a cycle, but or work unknown you want to pr, for your day to day transf words. I am convenited to address, your concerns."

- Kural Kamar, IAS, Pane Manicipal Commissioner on World Environment Day 2014

The Pune Cycle Plan being prepared in 2016 is your chaose to help make Pune a cycle-friendly city. Join Us1

Facebook.com/Punecycleplan2016







Safe rides for everyone, everywhere

Stay in touch Pune Cycle Plan Traffic Dept Pune Municipal Corporation 3rd Floor, Veer Sawarkar Bhawan Shivaji Nagar, Pune 411005

punecycleplan@gmail.com | https://www.facebook.com/PuneCyclePlan2016 | punecycleplan.wordpress.com