











The Changing Mobility Scenario in Pune City



Pune City 1970-80 (Cycle City)





Pune City 1980 -90 (Moped City)



Pune City 2017-18



1st

in urban governance across 23 Indian cities in ASCIS survey, 2018



1st

in quality of life in India along with Hyderabad, as per Mercer, 2014



9nd

largest varsity in India with 811 colleges



2nd

in India in software exports



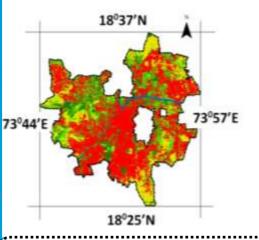
7th

highest GDP among Indian cities at \$69bn, Brookings Institute (2014)



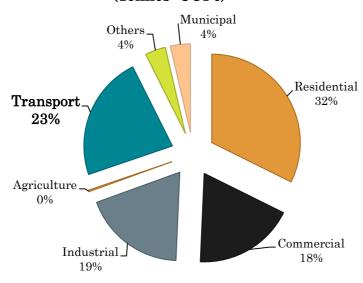
8th

most populous Urban Agglomerations in India



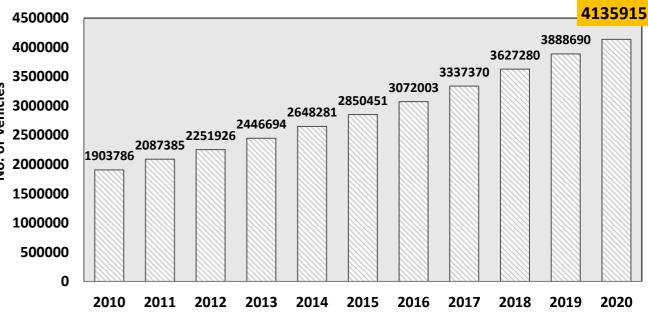
Area: 331.56 sqkm Population: 3.4 million

Sector-wise GHG Emissions (Tonnes CO₂ e)

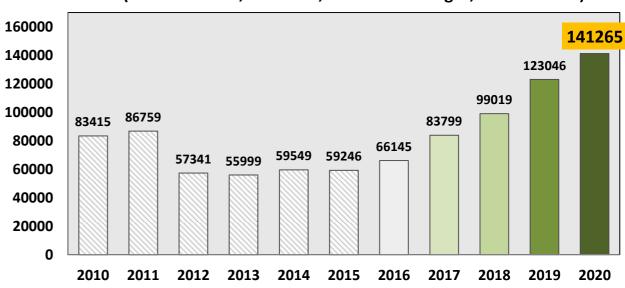


Source: ICLEI – Solar City Master Plan

Total Number of Vehicles



Number of Public Transport Vehicles (Auto-rickshaw, Taxi Cabs, Contract Carriages, School Buses)





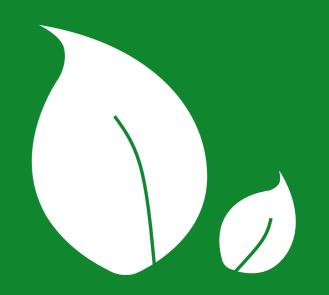
Transportation & Mobility #1 concern of PUNEKARS'

Citizen engagement output - top concerns for citizens of Pune Pan City Initiative **Transportation & Mobility 30%** 0.3 million Citizen Engaged Water Supply & Sewage in Two Months **22**% **Waste & Sanitation** 01 **Environment & Sustainability** 02 Safety & Security 03 2% **Energy** 04 05 06

Pune created a vision that is "future proof"



Pune aspires to become one of the most liveable cities in India, by solving its core infrastructure issues in a "Future-Proof" way, and by making its neighborhoods beautiful, clean, green and liveable



National Level Policies/Schemes

National Urban Transport Policy (2014)

To Ensure Safe, Affordable, Quick, Comfortable, Reliable & Sustainable Access for The Growing Number of City Residents.





सत्यमेव जयते

National Electric Mobility Mission Plan 2020 (2013)

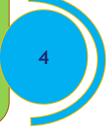
To Achieve a Vehicle Population of About 6-7 Million Electric / Hybrid Vehicles in India by The Year 2020

Faster Adoption & Manufacturing of Hybrid & Electric Vehicles (Fame) (2015)

To Support The National Electric Mobility Mission Plan (NEMMP) 2020 with The Goal of Reaching 6-7 Million Electric/Hybrid Vehicles in India By 2020

Green Mobility Scheme

- To Address Infrastructure For Bus Based Transport To Bring In Private Entrepreneurial Spirit In Operations To Promote Non-motorized Transport (NMT) And Last Mile Connectivity
- To Promote Alternate Fuels And Electric Mobility And Address High Fatalities Of Pedestrians.



Disucssion with stakeholders of Mobility Ecosystem in the city





S S

Nayana Gunde said, "There is a need of 3,200 buses for Pune and Pimpri Chinchwad. At present there are only two thousand buses. Both civic bodies will help to purchase 1600 buses in the next two years. After that each year 150 PUNE: "Private vehicles have changed rapidly, but there is no change in public transport buses, Due to this, more people prefer private vehicles over public vehicles," said State Transport Secretary Ashish Kumar Singh on Friday. He added that considering this, State government is planning to purchase 10,000 buses on the lines of PMPML for the State Transport.

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JL to R) PMPML CMD Neyana Gunde, transport secretary Ashish Kumar Singh,
PMC chief Saurabh Rao, ITDP chief Printiali Deshpande Agashe at the release of.

Int'l transport policy body calculates accessibility across Pune by homes, offices

Outlining the reasons why Metro will not be a hit in the city and why Ltd (PMPML) is still struggling to extend efficient services and draw | Development Policy (ITDP) has presented the results of its study ass (PNT) and how this will help the city to go a long way in terms of put

The report was prepared by the international organisation after stuc the PNT in terms of percentage of people living within a walking dis Three tools were used for compiling the study, which included datal and calculation of ward-wise built up density.







Transportation Initiatives – Based on National Level Policy

NMT TIMELINE

O COMPREHENSIVE MOBILITY PLAN (CMP)

Envisions improving the modal share of non-motorised transport and public transport from 50% to 90% in 2031.

2008



WALK SMART PEDESTRIAN POLICY

Drafted with the vision of making Pune a pedestrian-friendly city by prioritizing pedestrians and cyclists over vehicles.



PROGRAMME (PSP)

Initiated a holistic approach in the design of streets under the USGD, with around 100 km of streets across the city to be redesigned with wide, safe, and continuous footpaths in coming years.



O URBAN STREET DESIGN

Defined the process for designing streets, provides design templates for streets of different right-of-way and highlights the standards for street elements.



2 PARKING POLICY

The first Indian city to adopt a progressive parking policy emphasising efficient parking management as a way to discourage private vehicle use and encourage citizens to use public transport.



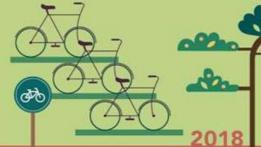
O COMPREHENSIVE BICYCLE PLAN

First city to create a City-wide Bicycle Plan, with a proposal to create 400 kms of cycle-friendly streets. Intended as the primary guidance document for the city to allocate resources, undertake projects and evaluate the outcomes towards achieving the goals set for improving cycling in Pune.

2017

PUBLIC BICYCLE SHARING SYSTEMS

Public Bicycle sharing systems 2017 4 PBS operators to serve as another mode of transport for commuters and provide efficient last-mile connectivity for public transit users.



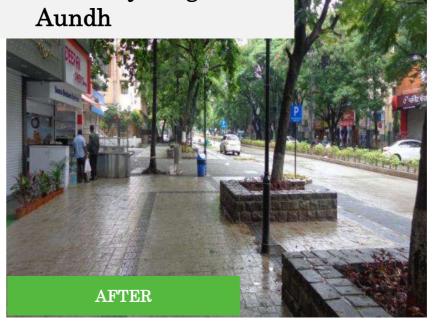
3 URBAN 95 PROGRAMME

Focuses on walkable, mixed-use neighbourhoods that cater for the basic needs of Infants, Toddlers and Caregivers within 15 minutes on foot.



Pune City – Sustainable Transport Planning













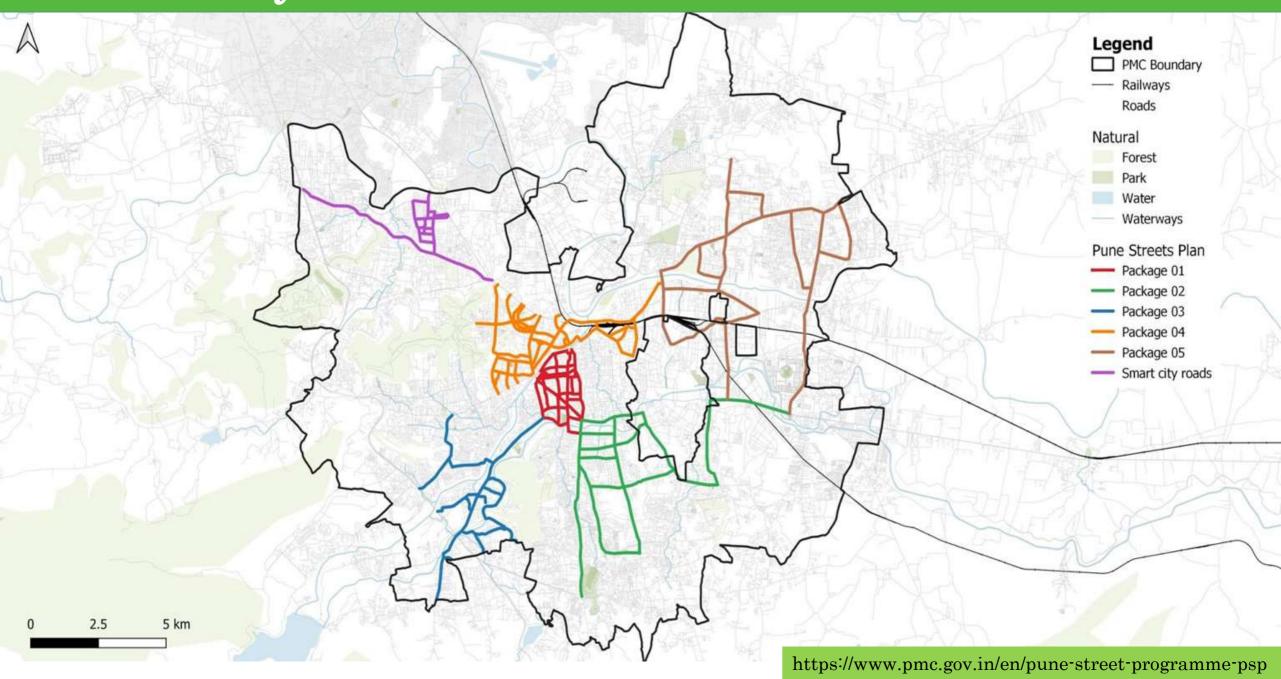
Walk the Talk

Successful implementation of "Pune Street Programme (PSP)"

65 kms of streets completed by 2019



Pune City – Street Plan to retrofit 100km of Street





Creating safer for all, universally accessible streets

Pune City – Urban Street Design Guidelines

STREET ELEMENTS

All people should be able to move safely, smoothly and conveniently



प्रवास नवा, पर्याय नवा

पादचारी प्रथम

Pedestrians FIRST





Make streets safe, clean, attractive and comfortable for people to walk and drive



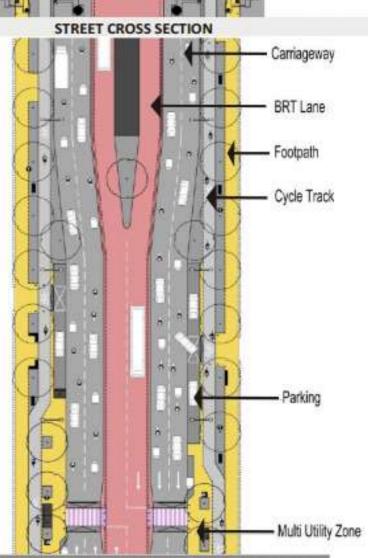




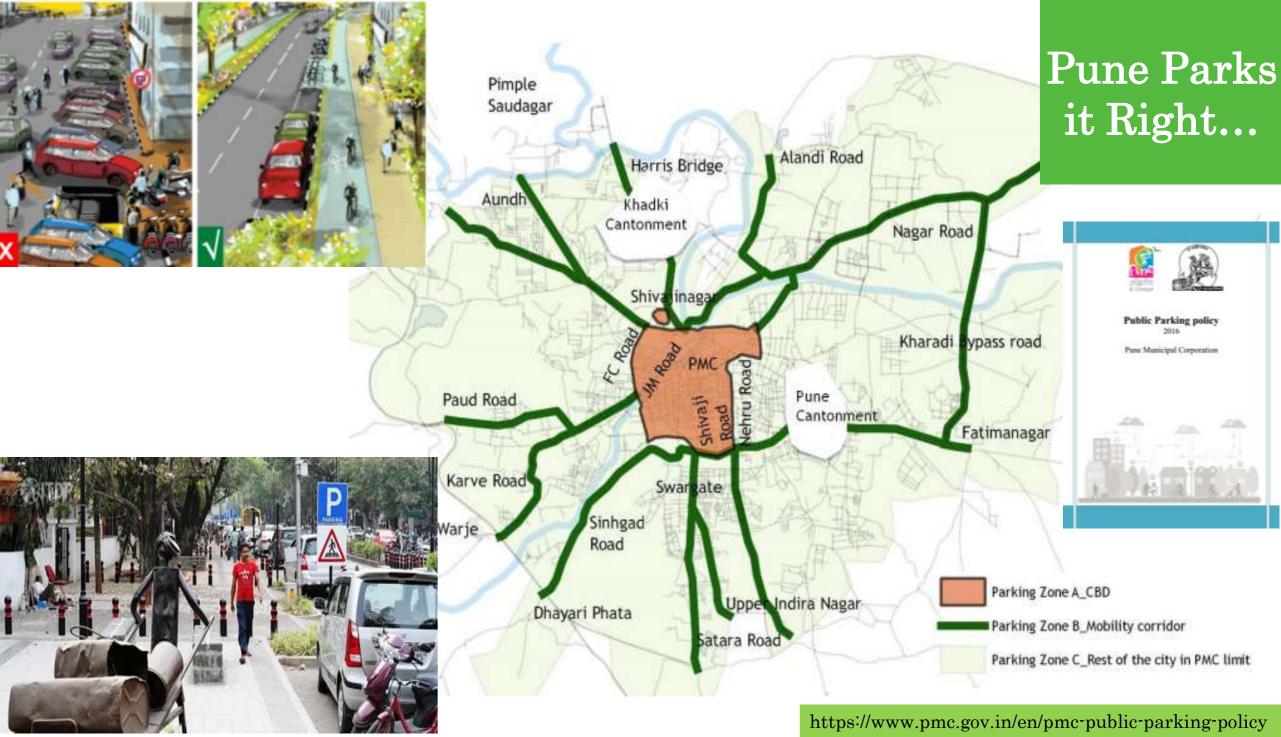
Streets to reduce impact on natural and built environment. To have green streets in the city.



Plantation **Utility and services** Storm water management **Garbage containers Public toilet**

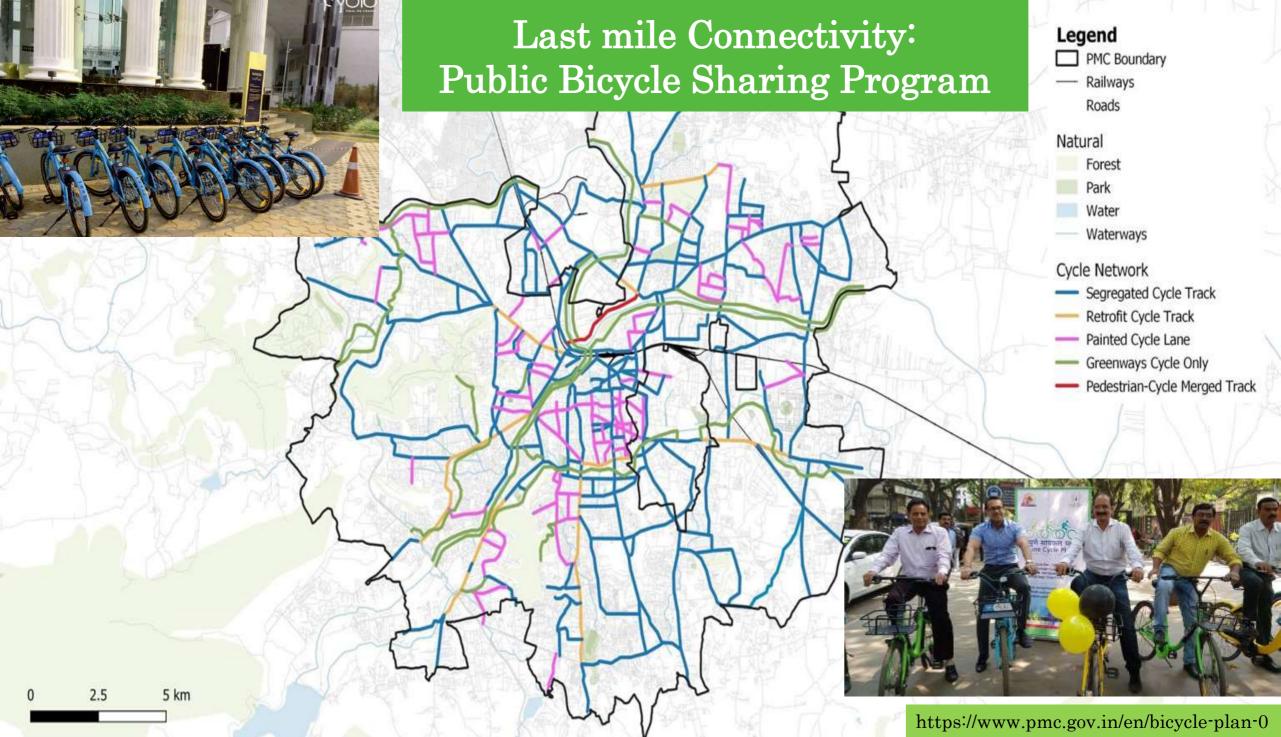


The sketch is only an illustration indicating various street elements and not its technical design'.











URBAN951

Eat Play Socialize

Urban 95 Programme
Child Friendly
Streets

ITI Road

PUNE

HELPS YOU BREATH
CLEANER AIR BECAUSE
OF POLLUTION
CONTROL

 CO_2

30533 THOUSAND TONS PER YEAR

NOx

276 THOUSAND TONS PER YEAR

SO₂

THOUSAND TONS PER YEAR

PARTICULATE MATTER

36 THOUSAND TONS PER YEAR

HC

490 THOUSAND TONS

CO

1069 THOUSAND TONS

/MetroRailPune

Mass Transit System: METRO

ROUTE MAP PUNE METRO RAIL PROJECT



@metrorailpune

metrorailpune

www.punemetrorail.org

Pune pilots a '*Rainbow*' Bus Rapid Transit System (BRT)

PMC Boundary

RailwaysRoads

Forest Park Water Waterways

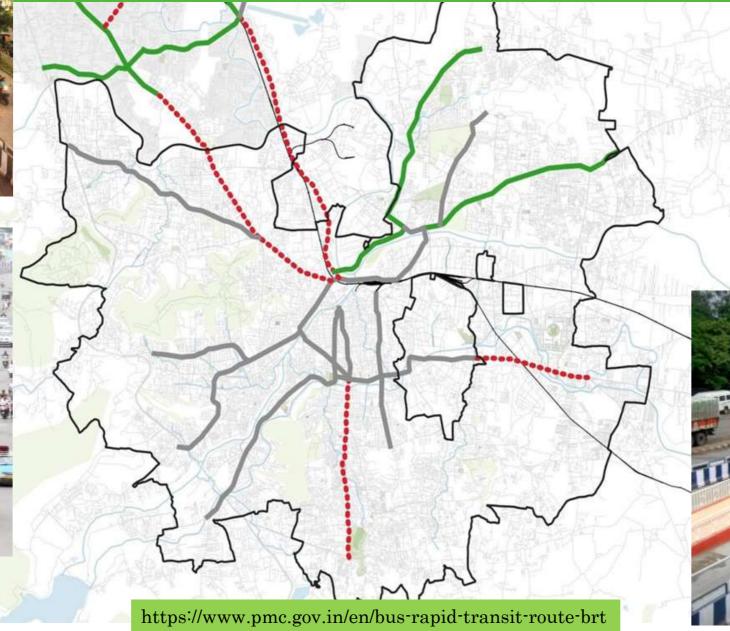
BRTS Corridor

Operational BRT corridors

Planned BRT corridors

••• BRT corridors under construction/redesign

Natural



2.5

5 km

Pioneer in Electric Buses 142 E-buses plying..

Out of Total Bus-fleet 70% CNG buses..









Preparation of Air Quality Action Plan of Pune City under National Clean Air Program (NCAP)



TARGET

National level target of 20-30% reduction

of PM2.5 and PM10

ncentration by 2024.

Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

Swiss Agency for Development and Cooperation SDC









APPROACH

Multi-sectoral & Collaborative.

TENURE

Mid-term five (5) years action plan

to begin with keeping 2019 as base

year. Further extendable to 20-25

years in long-term after mid-term review of the outcomes.

OBJECTIVES

Stringent implementa

measures for prevention control and abatement of air pollution. Augment and streng then air quality

monitoring network across the country. · Augment public awareness and

capacity building

tion of mitigation

- Mainstreaming and integration into the existing policies and programmes of GoI including NAPCC.
- Use Smart Cities framework to launch NCAP in the 43 smart cities falling in the list of 102 non-attainment cities

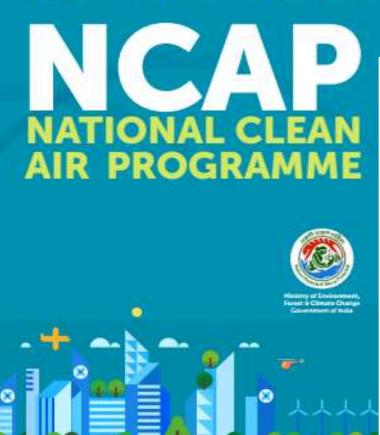






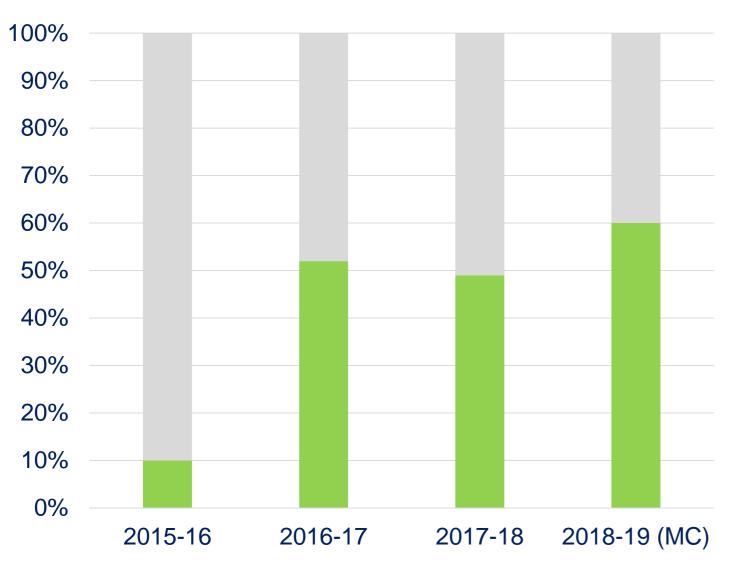






Prioritizing People in Budgets & Governance



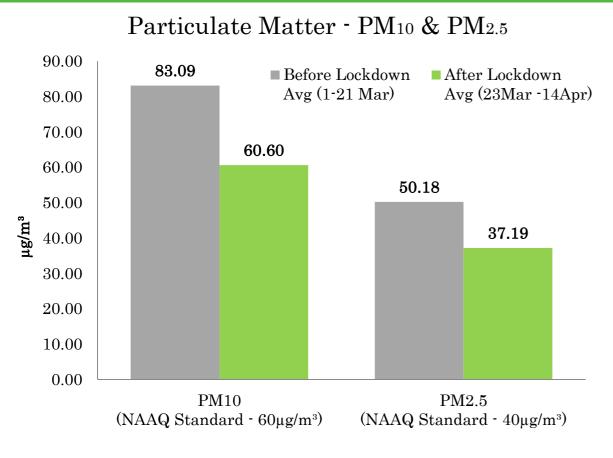


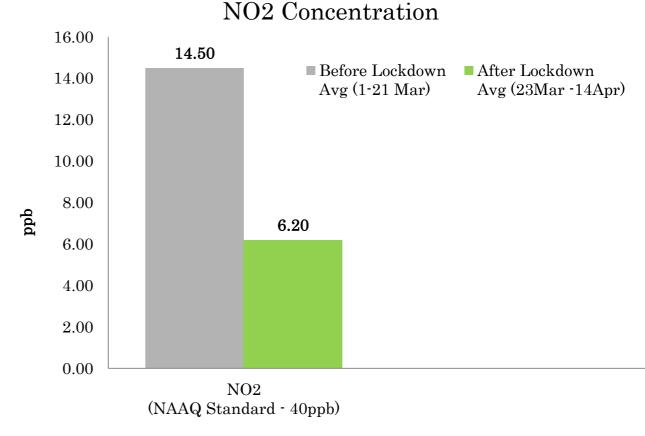


Since 2011, the 3wheeler Auto-rickshaws running on petrol & diesel are given a subsidy of Rs. 12,000/- to convert to CNG

Auto-rickshaws taken benefit: 16,836

Covid -19 Lockdown - Reduction in Air Pollution























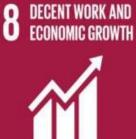
SDG 13 –

Climate Action

CLIMATE





















12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION











Take Urgent Action to Combat Climate Change

it's Impacts

Inspiring other Cities..

















2016: Yichang, China

2017: Santiago, Chile

2018: Dar es Salaam, Tanzania

2019: Fortaleza, Brazil

Pune wins Sustainable Transport Award 2020!

Shreya Gadepalli, ITDP South Asia Director, accepted the Sustainable Transport Award on the behalf of the city of Pune, India from the First Lady of the city of Fortaleza, Brazil, Carolina Cunha Bezerra.



