



सत्यमेव जयते

Ministry of Urban Development
Government of India



PUNE Smart City Development Corporation Limited

पुणे
स्मार्ट सिटी
डेव्हलपमेंट
कॉर्पोरेशन लिमिटेड



PUNE
SMART CITY
DEVELOPMENT
CORPORATION LTD.

Pune holds an important place for both Maharashtra and India



8th
in country in terms of
Urban Agglomerations
population size



6
Million population by 2030
equivalent to Denmark's
population today



1, 065
Billion GDP value,
ranks 5th in the country



2nd

largest varsity in the country
with 811 colleges



2nd

in India in software exports,
contributes 9%



best city in the country on
quality of life



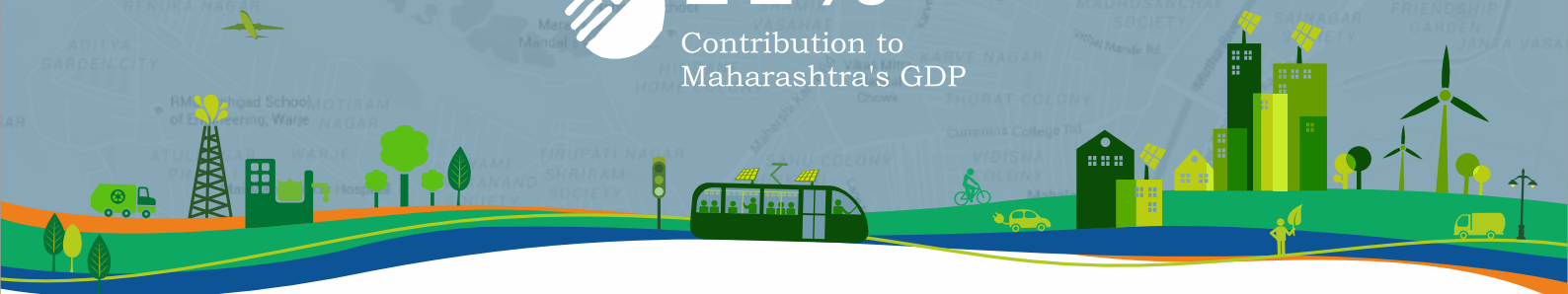
100RC

Selected among 100rc by
Rockefeller foundation



11%

Contribution to
Maharashtra's GDP



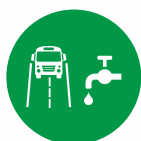
SMART CITIES
MISSION

PAN CITY
DEVELOPMENT

LOCAL AREA
DEVELOPMENT

THE VISION

Leveraging its rich cultural and natural heritage, strong human capital and strong business environment as key strengths, Pune aspires to become one of most livable cities in India by solving its core infrastructure issues in a “Future Proof” way, and by making its neighborhoods beautiful, clean, green, and livable.



Module 1:
Physical Infrastructure

Total Lifetime Cost: 1070 Cr.



Module 2:
Affordable Housing

Total Lifetime Cost: 40 Cr.



Module 3:
Customer Care

Total Lifetime Cost: 26 Cr.



Module 4:
River Water Cleaning

Total Lifetime Cost: 9 Cr.



Module 5:
Riverfront

Total Lifetime Cost: 105 Cr.



Module 6:
Goods & Services

Total Lifetime Cost: 322 Cr.



Module 7:
ICT – with RoW (Right of Way)

Total Lifetime Cost: 220 Cr.



Module 8:
ICT – without RoW (Right of Way)

Total Lifetime Cost: 615 Cr.



Module 9:
Smart Lighting

On PPP model



Module 10:
Open Spaces

Total Lifetime Cost: 5 Cr.



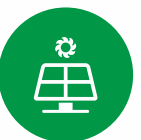
Module 11:
Skill Development & Health Care

Total Lifetime Cost: 20 Cr.
& CSR Initiative



Module 12:
Smart Grid

On IPDS scheme



Module 13:
Solar

On RESCO model



Module 14:
Startup Zone

On PPP model



Module 15:
Transit Hub

On PPP model

MODULE 1: Physical Infrastructure - Transport



Road & Road Widening

45 km of uniform RoW across the locality



Redesign of Streets

27 km of streets with RoW > 18 m, with universal accessibility



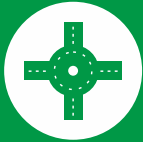
Footpath's Retrofit

60 km of footpaths will be redesigned/retrofitted



Bus Stops

54 state of the art bus stops to be revamp



Junction Redesign

Redesigning of 14 junctions in Aundh-Baner-Balewadi



BRTS

An additional corridor of 8 km is planned along the river front



Non – Motorized Streets

With pedestrian plazas, street vendors, mom & pop stores etc.

MODULE 1: Physical Infrastructure - Water



Adequate Water Supply

5 pilot DMAs that will be provided with 24X7 water supply



Waste Water Recycling

revamp existing STPs and build new STPs



Storm water use

Additional storm water drainage infrastructure



Rain Water Harvesting

Rainwater harvesting project is envisaged in LAD



Helium leak detection

successfully identify invisible leaks throughout the water system and fix the piping as required.



Naidu STP – Energy Generation

Making Naidu STP with 115 MLD treatment capacity into an energy neutral plant



Fire Stations

Two fire stations in the area

MODULE 2: Affordable Housing



Building Affordable Housing

In the ABB area, 300-400 affordable houses will be built by 2020

MODULE 3: Customer Care



Creation of world class consumer centre.

It will be the single point of contact for grievance, enquiries, billing information and payment



Customer Mapping & Survey

A full-fledged customer survey

MODULE 4: River Water Cleaning



River Water Cleaning

Beautify the river:
Massive sewage treatment,
use of river cleaning technologies
(such as root-zone technology)



Riverfront Development

ABB's 3.5-km stretch of
riverfront will developed into
a world-class recreation hub

MODULE 6: Goods & Services



Bicycles

Public Bicycle sharing system
across an area 16.3 sq. km ABB



100 Electrical buses

100 electric buses in ABB region



Express Airport Services

10 buses running between ABB
and airport



E - Rickshaws

100 e-rickshaws, will boost bicycle
sharing and walk ability by ensuring
last mile connectivity



Smart Metering (Water)

100% of connections in the
ABB region



Solid Waste Management

A Sanitation & Waste Action Team
will be formulated equipped with 3
modern road sweeping machines,
3 garbage collection trucks



Sanitation

74 world-class public toilets, refurbishment
of existing 10 toilets 30 drinking water
fountains 357 "smart dustbins"

MODULE 7: ICT with RoW



Security

100% CCTV
coverage integrated
with a 911 dispatch
call center



IT Connectivity

Provide wireless
internet throughout
integrated command
and control center



Pilot DMA for 24x7 Water

Transformation of
DMA's into 24x7 water
supply zones Bulk and
consumer metering,
erection of
communication systems

MODULE 8: ICT – without RoW



Smart Parking (LAD)

A smart multi-level
car Parks across



Adaptive Traffic control system

Across all 319 signals
in Pune (with solar
powered and UPS
backups)



Bus ITMS

Equipped with services
like in-bus Wi-fi,
surveillance systems with
panic buttons and
monitoring of violations



Command Control Centre

This control center will be used to implement green corridors and serve as back-end for citizen traffic apps and portals.



Intelligent Road asset Management

The GIS based mapping



E - Challan

E-challaans generated could be paid off by electronic transfers and would be traceable



Smart Domestic Meters

Opportunity to adopt smart metering in their households



E - Governance

Comprehensive integrated solution

Establishment of an Intelligent Operations Center (IOC)

Connected Communities: Pune Smart "DigiTel" Card or MI card



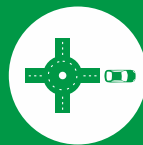
Online billing

A comprehensive online bill payment mechanism needs to be set



Total Smart parking (Pan city)

7 smart multi-level car Parks across the city.



Traffic Modelling

Understand demand related patterns of traffic movement in Pune



Smart Commercial Meter

Help in reducing water consumption and wastage as real time consumption information



Bulk Meter

Collect real time data on flow & direction of water and view everything on a comprehensive dashboard.



Mobile app and website

A user friendly website

An IVR system to reduce wastage of time

A mobile base app to improve accessibility

MODULE 9: Smart Lighting



Open Space

To increase the % of open spaces from approx 4% to 10% .

MODULE 10: Open Spaces



Open Space

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MODULE 11: Skill Development



Low income skill development and healthcare

To equip 800 individuals with vocational training

MODULE 12: Smart Grid



Electricity distribution – smart grid and metering

To minimize distribution losses and to promote electricity savings

MODULE 13: Solar



Solar energy supply

To ensure that atleast 10% of the Smart City's energy requirement comes from solar - make ABB area maximum solar city

MODULE 14: Start Up



Start up Zone

To create a culture of innovation and promote mixed-use development.

MODULE 15: Transit Hub



Transit hub

To facilitate long distance commute, a multi-modal transit hub will be created at the entry point to Pune in ABB.



PUNE SMART CITY DEVELOPMENT CORPORATION LTD.

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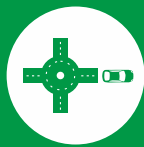
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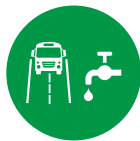
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