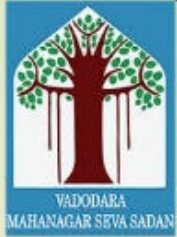




VADODARA SMART CITY PROPOSAL

City Strategic Blueprint



Focus Area 1 (FA1) : Improving Quality Of Life

- Livable and compact city with state-of-the-art facilities
- Resilient physical infrastructure to cater increasing urban density



Focus Area 2 (FA2) : Enriching Vadodara's Socio-Economic Environment

- Ensure social inclusiveness
- Build upon Vadodara's legacy of being educational hub & a learning center
- Trigger economic development and create employment opportunities to attract trained human capital from across the country



Focus Area 3 (FA3) : Center for Arts & Heritage

- Leverage upon natural and built heritage
- Culturally rich city with increased opportunities for trade and commerce



Focus Area 4 (FA4) : Improve Urban Mobility

- Comprehensive system to ease mobility and increase last mile connectivity
- Designing accessible and well connected neighborhoods



Focus Area 5 (FA5) : Transparent & Responsive Governance

- Reflecting citizen aspirations in formulation & implementation of policies and projects
- Use of technology for doing more with less

Vadodara City Vision & Goals



City Vision

Conserve and enhance Vadodara's rich culture and heritage through its sensitive transformation into a vibrant city that fosters equitable and sustainable development and offers better quality of life to all its citizens

City Goals

- **Livable and compact city with state-of-art facilities**
- **Resilient physical infrastructure to cater increasing urban density**
- **Ensure social inclusiveness**
- **Build upon Vadodara's legacy of being an educational hub and a regional learning center**
- **Achieve economic vibrancy and create copious employment opportunities to attract investments and trained human capital from across the country**
- **Leverage opulent natural and built heritage**

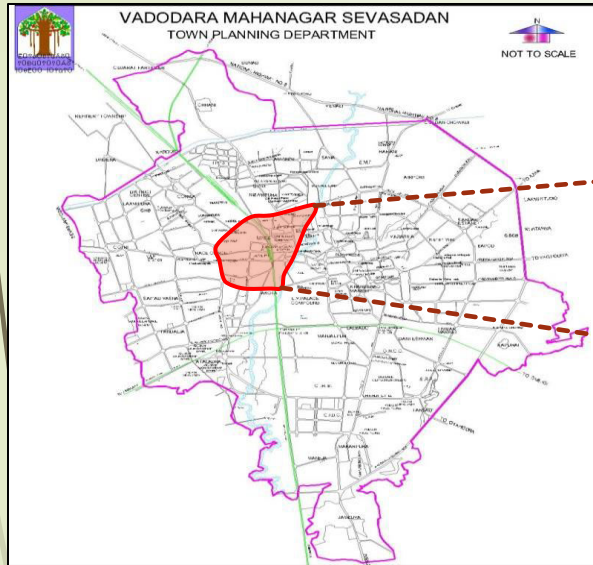
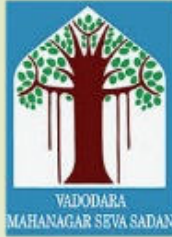
Vadodara City Vision & Goals



City Goals

- **Develop culturally rich and eclectic city with enhanced opportunities for trade and commerce**
- **Comprehensive system to facilitate ease of mobility**
- **Design accessible and well connected neighborhoods**
- **Robust regulatory framework and its implementation module for imminent resiliency**
- **Reflect citizen aspirations in formulation and implementation of policies and projects**

Area Based Development



**Retrofitting
+
Redevelopment**



Re-development



Key Features of ABD –

- Approx. 1698 Acres (part of Ward no. 6 , 7 & 10)
- Viswamitri River on East side
- M S University
- Railway Station
- Central Bus Station
- City Bus Depot
- Sayaji Baug(Kamati Baug)
- Town Hall

Key Statistics of ABD –

- Population - 67637
- Household - 23170

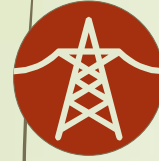
SMART CITY's TWIN MODEL
Retrofitting having Redevelopment
=(**1698 acres**)

Area Based Projects - Retrofitting



Improving Quality Of Life (FA1)

- *Smart Street lights*
- *Rooftop solar project*
- *Multi utility duct*
- *Dust Bin Free Zone*
- *Neighborhood Waste Management*
- *Multiple Common Toilet Blocks*
- *Rain water harvesting & its policy for users*
- *Deep water recharging through RWH*
- *24X7 Water Supply*
- *Water ATM*
- *Place making- Footpath- Junction improvement & street redesign, Disable friendly*
- *24x7 health facility*
- *Wifi*



Enriching Vadodara's Socio-Economic Environment(FA2)

- *Additionalities to Vishwamitri Riverfront*
- *Ecology Park*
- *Slum free area - in situ with Yoga & Meditation Centre in the building*
- *Smart Hawker Zones*
- *Vocational training, artisan centre and counseling*
- *Library with digital facilities*
- *E Learning (digital inclusiveness)*

Area Based Projects - Retrofitting



Center for Arts & Heritage (FA3)

- *Revamping of Heritage Structures & parks*
- *Voice enabled map based apps for Heritage and Culture tourism preferment*
- *Heritage tourist Bus*
- *City Identity Centre*

Improve Urban Mobility(FA4)

- *Development of City Square*
- *Multi Level Car Park (MLCP)*
- *NMT - bicycle sharing NMT Infrastructure(Cycle Track, walk ways, underpass, zebra crossing etc)*
- *E Rickshaw on feeder route*
- *Circular bus service route for School children*

Transparent & Responsive Governance(FA5)

- *Retrofitting of Fire Station and Upgrading with high-tech facilities*
- *STP upgrading and decentralization with SCADA implementation*
- *Smart water meters*
- *Smart Electric Meter*
- *i-Poles integrated with Command and Control Center*
- *Smart School Management System for Municipal schools*



Pan City Projects



Project Urban Jeevan (Improving Quality of life)

- *HMIS and Health Card*
- *Smart Water solutions (SCADA for Water Network, Bulk Metering)*



One Vadodara app (Ensuring responsive governance)

- *Good Citizen Service Delivery (“ Maru Vadodara” Module)*
- *Virtual Tour module with voice navigation system*
- *Cultural event planner with calendar*
- *Vadodara Setu, Service Delivery app for Sr. Citizens*



Urban Mobility (Enabling better connectivity)

- *Public Information System at bus stops (Bus Stop refurbishing)*
- *City buses augmented with Smart features*
- *Smart Bus Terminus*



Project Utility Plus

- *Integrated Operation Centre & Command and Control Centre*
- *24x7 dedicated control room with Quick Response Team*
- *GIS (On Surface and Underground) and ERP*



ABD Project Cost



Project Name	Project Cost (Rs. Cr)
IMPROVING QUALITY OF LIFE	
Smart Street lights	10.2
Rooftop solar project	16.0
Multi utility duct	122.5
Dust Bin Free Zone	50.4
Neighborhood Waste Management	12.0
Multiple Common Toilet Blocks	1.0
Rain water harvesting	40.0
Deep water recharging through RWH	3.2
24X7 Water Supply	60.0
Water ATM	0.6

ABD Project Cost



Project Name	Project Cost (Rs. Cr)
ENRICHING VADODARA'S SOCIO-ECONOMIC ENVIRONMENT	
Additionalities to Vishwamitri Riverfront	477.4
Ecology Park	30.0
Slum free area - in situ with Yoga & Meditation centre in the building	259.5
Smart Hawker Zones	6.0
Vocational training, artisan centre and counseling	4.0
Library with digital facilities	2.2
E Learning (digital inclusiveness) - Corporation School + Smart Night Classes for Adult education	2.4

ABD Project Cost



Project Name	Project Cost (Rs. Cr)
CENTER FOR ARTS & HERITAGE	
Revamping of Heritage Structures & parks	50.0
Voice enabled map based apps for Heritage and Culture tourism preferment	8.0
Heritage tourist Bus	3.5
City Identity Centre	4.0

ABD Project Cost



Project Name	Project Cost (Rs. Cr)
IMPROVE URBAN MOBILITY	
Development of City Square- Redevelopment of Area around railway station	175.0
Multi Level Car Park (MLCP)	40.4
NMT - bicycle sharing	6.0
NMT Infrastructure(Cycle Track, walk ways, underpass, zebra crossing etc)	38.0
E Rickshaw on feeder route	4.8
Circular bus service route for School children	1.0

ABD Project Cost



Project Name	Project Cost (Rs. Cr)
TRANSPARENT & RESPONSIVE GOVERNANCE	
Retrofitting of Fire Station and Upgrading with high-tech facilities	5.0
STP upgrading and decentralisation with SCADA implementation	19.0
Smart Water meters	40.0
Smart Electric Meter	36.0
i-Poles integrated with Command and Control Center	16.0
Smart School Management System for Municipal schools	0.7
TOTAL ABD INITIATIVES CAPES	1676.6

Pan City Project Cost



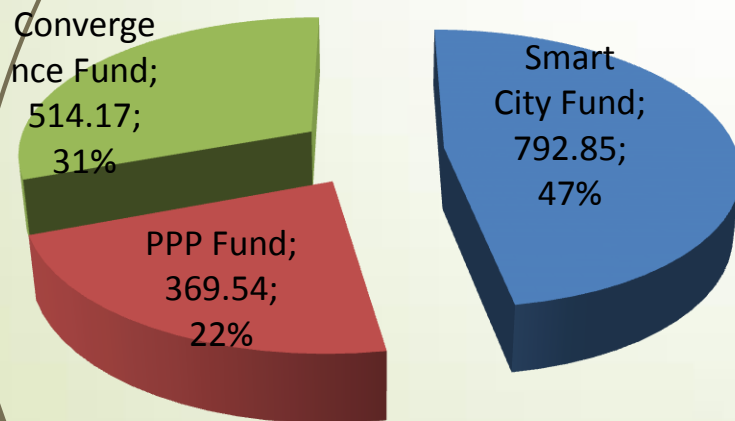
PROJECT NAME (SORTED AS STRATEGIC BLUEPRINT)	Project Cost
<i>PROJECT URBAN JEEVAN</i>	
HMIS & Health Card	35.0
Smart Water solutions	36.1
<i>ONE VADODARA MOBILE APP</i>	3.1
<i>URBAN MOBILITY</i>	
Smart Buses enabled with GPS tracker and CCTV for fleet tracking	81.6
Bus stops with ETA board, schedule and route display	24
Smart bus terminus	20
<i>PROJECT UTILITY PLUS</i>	
IOC & 24x7 dedicated control room with Quick Response Team	75
GIS	43
ERP	15
TOTAL PAN CITY CAPEX COST	332.8

Proposal Financial Summary

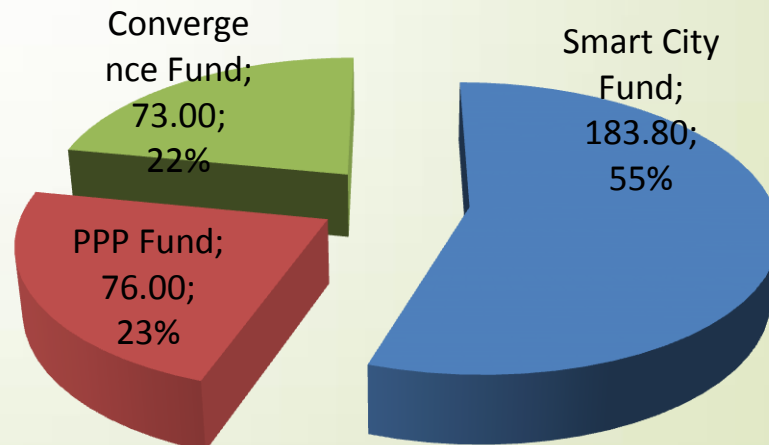


SCP Funding	ABD		PAN	
	Amount(Rs. Cr)	%	Amount(Rs. Cr)	%
Smart City Fund	792.85	47.3	183.80	55.2
PPP Fund	369.54	22.0	76.00	22.8
Convergence Fund	514.17	30.7	73.00	21.9
Total	1676.56		332.80	
TOTAL SMART CITY FUND (Rs. Cr)	976.65			
TOTAL SCP COST (Rs. Cr)	2009.4			

SCP ABD PROJECTS FUNDING



SCP PAN PROJECTS FUNDING



Convergence



Sr	MISSION NAME	HOW CONVERGENCE WILL BE ACHIEVED?
ABD initiatives		
1	Atal Mission for Rejuvenation and Urban Transformation (AMRUT)	Sewerage (80%) <ul style="list-style-type: none"> • Up gradation of Sayaji Bagh of 8.5 MLD (Rs. 12 crores) • De-centralization STP of 3 MLD at Vadiwadi Water Supply (Rs. 3.2 crores) • Smart water metering (50%) (Rs. 20 crores)
2	Housing for all (PMAY)	<ul style="list-style-type: none"> • Slum free area (100%) (Rs. 253 crores)
3	Swachh Bharat Mission	<ul style="list-style-type: none"> • Multiple common toilet (50%) (Rs. 50 lakhs) • Dust Bin Free Zone (50%) (Rs. 25.2 crores) • Neighborhood waste Management (20%) (Rs. 2.4 crores)
4	Integrated Power Development scheme (IPDS)	<ul style="list-style-type: none"> • Smart Electric Meter (50%) (Rs. 18 crores) • Smart Street LED Light- (Rs. 50 lakhs)
5	National Skill Certification and Monetary Reward Scheme (NSDC)	Vocational training centres, Artisan centre and Counselling centres (85%) (Rs. 3.4 crores)
6	National Solar Mission (JNNSM)	Rooftop solar project (30%) (Rs. 4.8 crores)
7	State Government Fund	<ul style="list-style-type: none"> • Additionality to Vishwamitri Riverfront (30%) (Rs. 143.2 Crore) • Ecology Park (30%) (Rs. 9 Crore)
Pan City Initiatives		
1	National Health Mission (NHM)	Health Management Information System and sanctioning of health cards (1 crore)
2	Project cost allocated for City Buses	Cost for procuring CNG buses allocated by ULB (72 crore)



VADODARA
MAHANAGAR SEVA SADAN

Thank You