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1	Citizen participation	A smart city constantly shapes and changes course of its strategies incorporating views of its citizen to bring maximum benefit for all. (Guideline 3.1.6)	The City begins identifying priorities and projects to pursue without consulting citizens.	City undertakes citizen participation with some select stakeholders. The findings are compiled and incorporated in some projects or programme. Very few major decisions are shared with citizen until final projects are unveiled.	City conducts citizen engagement at city level and local area level with most stakeholders and in most areas. The findings are compiled and incorporated in projects or programs.	City constantly conducts citizen engagement with people at each ward level to incorporate their views and these shape priorities and development projects in the city. Multiple means of communication and getting feedback such, both face-to-face and online are utilized. The effectiveness of city governance and service delivery is constantly enhanced on the basis of feedback from citizen.	<p>Scenario 2</p> <p>City undertakes citizen participation at various instances with selected stakeholders whenever there is an upcoming new project or program</p> <p>For instance, while retrofitting of central bus station was undertaken a couple of years ago, a robust stakeholder consultation was done with market committee, transporters/ travelers and elected representatives.</p>	<ul style="list-style-type: none"> - VMC has its own Twitter handle, YouTube channel, MyGov task under smart city sub dashboard - VMC has its grievance redressal mechanism through toll free number, online portal - Periodic sabhas, meetings with citizen forum, senior citizen group, NGO's, CII, elected representative - Mass outreach activities such as weekly funstreet and annual Vadfest provide a good platform for citizen interaction 	<p>Scenario 4</p> <p>To enhance two way communication</p> <p>Consultation and reflection of citizen opinion while making decision for the city</p> <p>Improve sense of ownership and responsibility of public facilities amongst citizen</p> <p>Periodic citizen engagement event to disseminate information and receive feedback</p> <p>Legacy of Gaekwad governance to be retained through proactive governance</p>	<p>Initiatives</p> <p>P 1.1 Good Citizen Service Delivery (“Maru Vadodara” Module)</p> <p>P 1.3 Vadodara Setu, Service Delivery app for Sr. Citizens</p> <p>P 1.4 Basic and statutory information dissemination with citizen interaction forum</p> <p>A31 City Identity center</p> <p>city</p>

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2	Identity and culture	A Smart City has a unique identity, which distinguishes it from all other cities, based on some key aspect; its location or climate; its leading industry, its cultural heritage, its local culture or cuisine, or other factors. This identity allows easy answer to the question “why in this city and not somewhere else”. A Smart City celebrates and promotes its unique identity and culture. (Guideline 3.1.7)	There are few architectural monuments, symbols and festivals that emphasise the unique character of the city. Built, natural and cultural heritage is not preserved and utilised or enhanced through physical, management and policy structures.	Historic and cultural resources are preserved and utilised to some extent but limited resources exist to manage and maintain the immediate surroundings of the heritage monuments. New buildings and areas are created without much thought to how they reflect the identity and culture of the city.	Historic and cultural resources are preserved and utilised and their surroundings are well-maintained. Public spaces, public buildings and amenities reflect the cultural identity of the city.	Built, natural and intangible heritage are preserved and utilised as anchors of the city. Historical and cultural resources are enhanced through various mediums of expression. Public spaces, open spaces, amenities and public buildings reflect local identity and are widely used by the public through festivals, events and activities.	Scenario 2 Historic and cultural resources like MS University campus, Vishwamitri River, all lakes, Sayajibaug, LaxmiVilas Palace, NyayMandir, Khanderao administrative building, MaharajFatehsigh Museum, Navlakhi ground etc are being preserved and being utilized for various activities to some extent But adequate measures haven't been taken to preserve, conserve and maintain most of these built forms and their vicinity which is a threat to city identity Substantial unplanned growth and sprawl during late 60's failed to reflect city's identity	1. a. Vadodara is known to host the largest Garba festival of the country with highest footfall b. Vadodara holds an annual Vadfest /literary festival c. Vadodara hosted largest bookfair of Gujarat 2. VMC budget for heritage, culture and natural resources is 3. Vadodara known as the Cultural Capital of Gujarat, was previously the capital of princely state of Baroda which encompassed present day Mumbai	Scenario 4 Built, natural and intangible heritage are preserved and utilised as anchors of the city. Historical and cultural resources are enhanced through various mediums of expression. Public spaces, open spaces, amenities and public buildings reflect local identity and are widely used by the public through festivals, events and activities Separate budget to be earmarked for rejuvenating water bodies (lakes and Vishwamitri river), to establish crocodile ecology park, for renovation of heritage structures To place Vadodara in the list of top 5 most preferred cultural destination of the country	ABD initiatives A1. Heritage and Culture destination- A1.1 Renovation of Heritage buildings A1.2 Adaptive Reuse of Heritage Building A1.3 Heritage Walk A1.4 Facade Lighting A2 Heritage Tour Bus A3 Tourist Information Centre A7.3 Rejuvenation of Sayaji Bagh & Sardar Bagh A18. Vishwamitri River Rejuvenation A City Identity Center Pan City Initiatives P 2.2 Virtual tour with augmented reality mobile platform and eye gear Cultural event planner with online booking

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3	Economy and employment	A smart city has a robust and resilient economic base and growth strategy that creates large-scale employment and increases opportunities for the majority of its citizens. (Guideline 2.6 & 3.1.7 & 6.2)	There are some job opportunities in the city but they do not reach all sections of the population. There are a high number of jobs in the informal sector without sufficient facilities.	There is a range of job opportunities in the city for many sections of the population. The city attempts to integrate informal economic activities with formal parts of the city and its economy.	There are adequate job opportunities for all sections of society. But skill availability among residents can sometimes be a challenge.	There are adequate job opportunities for all sections of income group and skill levels. Job-oriented skill training supported by the city and by industry. Economic activities are suited to and build on location and other advantages of the city.	<p>Scenario 3</p> <p>There are adequate job opportunities for all sections of society. But skill availability among residents can sometimes be a challenge.</p> <p>Key Performance Indexes:</p> <ol style="list-style-type: none"> 1) 3 industrial estates 2) MNCs 3) 3 SEZs 4) Industrial parks <p>Vadodara has 12312 MSME units which cater to 152993 employees</p> <p>Skill set required as per current market scenario is a challenge</p>	<ul style="list-style-type: none"> - Employment ratio is high - Commercial built up area is large - Serves as regional center for trade, commerce and transit for Bharuch, Surat, Ahmedabad, Godhra, Indore, part of Rajasthan and Maharashtra 	<p>Scenario 4</p> <p>There are adequate job opportunities for all sections of income group and skill levels. Job-oriented skill training supported by the city and by industry. Economic activities are suited to and build on location and other advantages of the city.</p> <p>Enhanced employment ratios</p> <p>Increase in number of IT enterprise and MSME's</p> <p>Increase in commercial retail and enterprise built up</p>	<p>ABD initiatives</p> <p>A17. 3 Artisan centres (1. Shastri Bridge at pumping station, 2. JetalpurGarnala)by support from nearby industry, MoU is already done.</p> <p>A22. 5 Hawker Zone- a. Vadiwadi, b. Near Shastri bridge, c. Near Fine Arts, d. Near swagat restaurant at jetalpur road, e. under jetalpur bridge</p> <p>A14. Vadodara Square at Railway Station</p> <p>A School Management Project</p> <p>Pan City Initiatives</p> <p>P 3.3 Smart Bus Terminus project</p>

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4	Education	A Smart City offers schooling and educational opportunities for all children in the city. (Guideline 2.5.10)	The city provides very limited educational facilities for its residents. There are some schools but very limited compared to the demand. Many schools are in poor condition.	City provides adequate primary education facilities within easily reachable distance of 15 minutes walking for most residential areas of the city. The city also provides some secondary educational facilities.	City provides adequate primary and secondary education facilities within easily reachable distance for most residential areas of the city. Education facilities are regularly assessed through – databases of schools including number of students, attendances, teacher-student ratio, facilities available and other factors.	City provides adequate and high-quality education facilities within easily reachable distance of 10 minutes walking for all the residential areas of the city and provides multiple options of connecting with specialised teaching and multimedia enabled education. Education facilities are regularly assessed through database of schools including number of students, attendance, teacher-student ratio, facilities available and other factors.	<p>Scenario 3</p> <p>City provides adequate primary and secondary education facilities within easily reachable distance for most residential areas of the city.</p> <p>Though city administration manages to assess teachers and student ratio, there is still a gap in regular assessment of attendance and other facilities</p>	<p>City is known to have one of the oldest university of west, Maharaja Sayajirao University. Literacy ratio, level of higher education and college level education of Baroda has always been a benchmark for cities around.</p>	<p>Scenario 4</p> <p>City provides adequate and high-quality education facilities within easily reachable distance of 10 minutes walking for all the residential areas of the city and provides multiple options of connecting with specialised teaching and multimedia enabled education. Education facilities are regularly assessed through database of schools including number of students, attendance, teacher-student ratio, facilities available and other factors. Educational facilities been provided for workers and adults</p>	<p>ABD initiatives</p> <p>A15. Library with digital facilities (2 inside MS University)</p> <p>A16. E Learning (digital inclusiveness) - Corporation School + Smart Night Classes for Adult & old age education(1. Vadiwadi, 2. SayajiGanj-Maganbhai School, 3. Fatehgung-MaharanaPratap School no. 6, 4. Akota Police-line School</p> <p>A17. Vocational training, artisan centre and counseling</p> <p>A School Management System</p> <p>Pan City projects:</p> <p>P 2.2 Virtual heritage tour to apprise users of the place's history and legacy associated with heritage</p>

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5	Health	A Smart City provides access to healthcare for all its citizens. (Guideline 2.5.10)	Healthcare is difficult for citizens to access – demand for healthcare often exceeds hospitals’ ability to meet citizen needs.	The city provides some access to healthcare for its residents but healthcare facilities are overburdened and far from many residents. Access to preventive healthcare is only easily available for some residents.	City provides adequate health facilities within easily reachable distance for all the residential areas and job centres of the city. It has an emergency response system that connects with ambulance services.	City provides adequate health facilities at easily accessible distance and individual health monitoring systems for elderly and vulnerable citizens which are directly connected to hospitals to prevent emergency health risks and to acquire specialised health advice with maximum convenience. The city is able to foresee likely potential diseases and develop response systems and preventive care.	Scenario 3 City provides adequate health facilities within easily reachable distance for all the residential areas and job centres of the city. It has an emergency response system that connects with ambulance services.	City has 3 major hospitals and 108 call centre facility already exists. Mobile van is also running on monthly basis in each ward. About 230 private hospitals and health care centers present.	Scenario 4 City provides adequate health facilities at easily accessible distance and individual health monitoring systems for elderly and vulnerable citizens which are directly connected to hospitals to prevent emergency health risks and to acquire specialised health advice with maximum convenience. The city is able to foresee likely potential diseases and develop response systems and preventive care. ABD other initiatives like open air gym, NMT, Public Bicycle, Open spaces, Rejuvenation of green spaces, parks etc, Water quality, water ATM, Slum free project, additionality to Vishwamitri riverfront, neighborhood waste management will indirectly improve the health of citizens	ABD initiatives A4. Urban health Centre (1. Near Pandya Bridge 2. Jetalpur) A7.4 Open Air Health club, A9. Water ATM A14. Neighbourhood Waste Management A19. Slum free area A29 Public Bicycle Sharing Additionality to Vishwamitri Riverfront PAN CITY initiatives P 1.1 HMIS & Health Card

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6	Mixed use	A Smart City has different kinds of landuses in the same place; such as offices, housing, and shops, clustered together. (Guidelines 3.1.2 and 3.1.2)	The city has mostly separated uses and areas are focused either on residential, commercial, or industrial, with little co-existence of uses. The average resident cannot walk to the closest market or shop near his or her home. For almost everyone, going to work or going shopping for basic needs requires a journey by automobile or bus of more than 15 minutes. Land use regulations prevent putting commercial or office locations in residential neighbourhoods and vice versa.	In some parts of the city, there is a mixture of land uses that would allow someone to live, work, and shop in close proximity. However, in most areas, there are only small retail stores with basic supplies near housing. Most residents must drive or use public transportation to access a shop for food and basic daily needs. Land use rules support segregating housing, retail, and office use, but exceptions are made when required.	Most parts of the city have housing, retail, and office buildings in close proximity. Some neighbourhoods have light industrial uses within them, (e.g. auto repair, craft production). Land use rules allow for mixed uses.	Every part of the city has a mix of uses. Everyone lives within a 15-minute trip of office buildings, markets and shops, and even some industrial uses. Land use rules require or encourage developers to incorporate a mixture of uses in their projects.	Scenario 2 In some parts of the city, there is a mixture of land uses that would allow someone to live, work, and shop in close proximity. However, in most areas, there are only small retail stores with basic supplies near housing. Most residents must drive or use public transportation to access a shop for food and basic daily needs. Land use rules support segregating housing, retail, and office use, but exceptions are made when required.	There are 15-20 MSMEs and IT Companies operating out of selected area. The enhanced mixed – use development based on Town planning 26 TP schemes coming up in this city TP Schemes are 8, 10, 25, 28-50. Mixed use development of Central Bus station is already developed and has been operational since Feb 2014	Scenario 4 Every part of the city has a mix of uses. Everyone lives within a 15-minute trip of office buildings, markets and shops, and even some industrial uses. Land use rules require or encourage developers to incorporate a mixture of uses in their projects. Redevelopment initiative – Integrated Vadodara square will cover railway and City bus with commercial, parking and restaurants.	A28. Integrated Vadodara Square for offices and spaces for retail and commerce A29. Multi-Level Car Park (MLCP) having shops and Food plaza Pan City Initiatives P 3.3 Smart bus Terminus

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7	Compact	A Smart City encourages development to be compact and dense, where buildings are located close to one another and are ideally within a 10-minute walk of public transportation, forming concentrated neighbourhoods. (Guidelines 2.3 and 5.2)	The city is expanding rapidly at its periphery into undeveloped land, rural or natural areas, or along industrial corridors - both formally and informally. Formal new development is occurring in a way that is "sprawling," meaning that the buildings spread across a wide area and are far from one another. Residents or tenants find it easier or safer to travel by automobile because it takes a long time to walk between destinations and there are busy roads separating buildings. Large pockets of land in the inner-city are vacant. New developments at the periphery tend to be large-scale residential developments, often enclosed with a gate and oriented to the automobile.	The city has one or two high density areas - such as the city centre, or historic areas, where buildings are concentrated together and where people can walk easily from building to building and feel as though they are in centre of activity. Most of the city consists of areas where buildings are spread out and difficult to walk between, sometimes with low-density per hectare. Regulations tend to favour buildings that are separated from one another, with lots of parking at the base and set-back from the streets. The city likely has some pockets of under-utilized land in the centre. New formal developments at the periphery tend to be large-scale residential developments, often enclosed with a gate and oriented to the automobile.	The city has multiple high density clusters that are easy to walk around where buildings are close together. However, the city actively encourages development to occur on under-utilized parcels of land into high-density, walkable areas. When new formal large-scale development projects happen at the periphery, they are encouraged to be dense and compact, with buildings that are close together and line the streets. The city actively encourages or incentivizes re-development of under-utilized parcels in the inner-city, especially those located close to public transportation.	The city is highly compact and dense, making the most of land within the city. Buildings are clustered together, forming walkable and inviting activity centres and neighbourhoods. Regulations encourage or incentivize re-development of under-utilized land parcels in the city centre. Buildings are oriented to the street - - and parking is kept to a minimum, located below ground or at the back of buildings. Public transport and walking connects residences to most jobs and amenities. Residential density is at an optimal with affordable housing available in most areas.	Scenario 2 The city has one or two high density areas - such as the city centre, or historic areas, where buildings are concentrated together and where people can walk easily from building to building and feel as though they are in centre of activity. Most of the city consists of areas where buildings are spread out and difficult to walk between, sometimes with low-density per hectare. Regulations tend to favour buildings that are separated from one another, with lots of parking at the base and set-back from the streets. The city likely has some pockets of under-utilized land in the centre. New formal developments at the periphery tend.	Vadodara city has CBD at Railway station, Alkapuri and old city area. Old city area is very dense area and has heritage structure as well.	Scenario 4 The city is highly compact and dense, making the most of land within the city. Buildings are clustered together, forming walkable and inviting activity centres and neighbourhoods. Regulations encourage or incentivize re-development of under-utilized land parcels in the city centre. Buildings are oriented to the street - - and parking is kept to a minimum, located below ground or at the back of buildings. Public transport and walking connects residences to most jobs and amenities. Residential density is at an optimal with affordable housing available in most areas.	<p>ABD initiatives</p> <p>A28. Integrated Vadodara Square at railway station</p> <p>A29. Multiple MLCP with commercial development- a. in front of joy alukas(250 cars), b. sayajinagargruh(150 cars), c. model farm(400 cars), d. Railway station MLCP (500 Two wheeler,75 Auto rickshaw, , Four wheeler340, Bus 35)</p> <p>Pan City Initiatives</p> <p>P 3.3 Smart Bus Terminus</p> <p>P3.2 Eco friendly buses with WiFi</p>

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8	Public open spaces	A Smart City has sufficient and usable public open spaces, many of which are green, that promote exercise and outdoor recreation for all age groups. Public open spaces of a range of sizes are dispersed throughout the City so all citizens can have access. (Guidelines 3.1.4 & 6.2)	The city has very few usable public open spaces and very few usable green spaces. Available recreational spaces are located far away and are dispersed at long distances around the city. The few available public open spaces offer a limited variety of experiences for all sections of population and age groups such as places for sport, places for rest, and places for play.	A variety of public open spaces is available in some neighbourhood, but is not available in all the areas of the city or is located far away from residential areas. Many of the open spaces have access restrictions, or are not well-maintained. A variety of types of public open spaces may be lacking, such as natural areas, green areas, parks, plazas, or recreation areas.	Most areas of the city have some sort of public open space. There is some variety in the types of public spaces in the city. However, public spaces are sometimes not within easy reach or access of more vulnerable populations and are more restricted in poorer neighbourhoods.	Public open spaces are well dispersed throughout the city. Every residential area and work space has access to open space at 10 minutes walking distance. Open spaces are of various types - natural, green, plazas, parks, or recreation areas - which serve various sections of people. Public spaces tend to truly reflect the natural and cultural identity of the city.	Scenario 3 Most areas of the city have some sort of public open space. There is some variety in the types of public spaces in the city. However, public spaces are sometimes not within easy reach or access of more vulnerable populations and are more restricted in poorer neighbourhoods.	There are 42 gardens in the city. In which Sayaji bagh of 1.5 sqkm area is centrally located in the city. Public bicycle sharing project is already going in Sayaji Garden only.	Scenario 4 Public open spaces are well dispersed throughout the city. Every residential area and work space has access to open space within 10 minutes walking distance. Open spaces are of various types - natural, green, plazas, parks, or recreation areas - which serve various sections of people. Public spaces tend to truly reflect the natural and cultural identity of the city. Place making in the area will help to get better Walkability. Rejuvenation of Sayaji bagh and Sardar bagh and Vishwamitri river rejuvenation will help to reflect the natural and identity of the city	Initiatives A7.Place making- widening & redesign of street, Junction improvement, Rejuvenation of open spaces & green spaces, Open air health club A.18Additionality to Vishwamitri Riverfront Integrated Vadodara Square

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9	Housing and inclusiveness	A Smart City has sufficient housing for all income groups and promotes integration among social groups. (Guidelines 3.1.2)	Housing is very limited and highly segregated across income levels. Population growth far exceeds the creation of new housing. The poor live in informal settlements with limited to no access to basic services, and are concentrated in a few areas. The wealthy live in separate enclaves. Those in the middle have few, if any options.	Housing is available at most income levels but is highly segregated across income levels. Population growth slightly exceeds the creation of new housing. The wealthy and the middle class have housing that meets their needs at costs appropriate to their income. The poor live in informal settlements.	Housing is available at all income levels, but is segregated across income levels. The growth of supply of housing almost meets the rate of population growth. Increasingly, lower and middle-income people can find housing in areas that are conveniently located.	A wide range of housing is available at all cost levels. The supply of housing is growing at pace with population. Affordable, moderate, and luxury housing are found clustered together in many areas of the city	Scenario 2 Housing is available at most income levels but is highly segregated across income levels. Population growth slightly exceeds the creation of new housing. The wealthy and the middle class have housing that meets their needs at costs appropriate to their income. The poor live in informal settlements.	Slum free city plan of action, number of houses & housing requirements have been studied under BSUP, RAY & PMAY.	Scenario 4 A wide range of housing is available at all cost levels. The supply of housing is growing at pace with population. Affordable, moderate, and luxury housing are found clustered together in many areas of the city. Reading room with slum redevelopment will improve education level. E learning centre, vocational training centre heritage bus will also improve inclusiveness	ABD initiatives A19. Slum free area - in situ with skill development program, wellness and De-addition center in the building

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10	Transport	A Smart City does not require an automobile to get around; distances are short, buildings are accessible from the sidewalk, and transit options are plentiful and attractive to people of all income levels. (Guidelines 3.1.5 & 6.2)	Personal automobile centric city with very few modal options. Long trip lengths for daily commute to work and education. Accessing various areas by walking or cycling is difficult. Women and vulnerable sections find it very difficult to move independently in the city. There is limited public transport. Vehicles cause high air and noise pollution levels in the city. Vehicles dominate public spaces and affect their effective functioning.	The street network system is elaborate but public transport choices are restricted. Public transport can be too expensive or unaffordable for the poor. Pedestrian infrastructure is only available in select areas. The majority of investments focus on reducing traffic congestion through the creation of more roads.	Network of streets are fairly complete. Public transport covers most areas of the city. However last mile connectivity remains incomplete and affects transport options. Foot paths are accessible in most areas, whereas concerns of safe crossings and security throughout the day remain. Parking zones are demarcated but absence of pricing increases over utilization of parking lots.	Street network is complete and follows a clear structure. Public transportation network covers the entire city and intensity of connection relates with the demand. Plenty of options of public transport are available and affordable for all sections of the society. There is multi-modal integration at all mass transit stations and organized-priced on street and off street parking. Walking and cycling is prevalent.	Scenario 1 Vadodara could not leverage from JNNURM. Personal automobile centric city with very few modal options. Long trip lengths for daily commute to work and education. Women and vulnerable sections find it very difficult to move independently in the city. Accessing various areas by walking or cycling is difficult. There is limited public transport. Vehicles cause high air and noise pollution levels in the city. Vehicles dominate public spaces and affect their effective functioning.	1. City bus Service is poor (cl. 8.1 CMP Vadodara) 2. City bus service is limited to the VMSS area only 3. Less public parking lot available in the city which leads to illegal on-street parking (cl. 5.2.6 CMP Vadodara)	Scenario 4 Street network is complete and follows a clear structure. Public transportation network covers the entire city and intensity of connection relates with the demand. Plenty of options of public transport are available and affordable for all sections of the society. There is multi-modal integration at all mass transit stations and organized-priced on street and off street parking. Walking and cycling is prevalent. Multimodal hub at railway station and Improving city bus service will reduce the traffic in the city. NMT infrastructure and PBS will help in accessing areas by walking/cycling. Development of MLCP will provide better parking facilities and parking policy in the city will be implemented.	ABD Initiatives A2. Heritage Bus A28. Integrated City Square adjoining Railway station A30 Public bicycle sharing pilot scheme A31. NMT infrastructure A32. E-rickshaw A33. Circular route bus for School children Pan City initiatives P 3.1 Bus Stop Refurbishment P 3.2 Procuring new CNG eco friendly buses P 3.3 Smart Bus Terminus P 4.1 ITMS

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11	Walk-able	A Smart City's roads are designed for pedestrians, cyclists and vehicles; and road safety and sidewalks are paramount to street design. Traffic signals are sufficient and traffic rules are enforced. Shops, restaurants, building entrances and trees line the sidewalk to encourage walking and there is ample lighting so the pedestrian feels safe day and night. (Guidelines 3.1.3 & 6.2)	The city is designed mainly for the automobile. Daily life without a car requires long bus rides. Walking is difficult and often dangerous; there are few pavements, existing pavements need repair and lack trees to provide shade for pedestrians, and marked pedestrian crossings are rare. New buildings have their main entrances set-back from the street, sometimes with large driveways or parking lots separating them from the street, and sometimes are enclosed by gates. Traffic signals are often disobeyed	Older areas of the city see a mix of pedestrians, cyclists, and vehicles but newer areas are focused mainly on the automobile. In the new areas, there are few pavements and main entrances to new buildings are not accessible from the front of the street. Large driveways or parking lots often separate them from the street, and sometimes are enclosed by gates. In these areas, traffic signals are disobeyed.	The city has a good network of pavements and bike lanes. Buildings in most areas of the city are easily accessible from the pavement. However, traffic signals are sometimes disobeyed and it can feel difficult to cross the street.	The city is highly walkable. Pavements exist on every street and are maintained. Trees line many sidewalks to provide shade for pedestrians. Buildings in most areas of the city are easily accessible from the sidewalk. Traffic signals control the flow of automobiles and are enforced. A network of bike lanes exists to promote cycling as a means of transport. Traffic rules are followed and enforced with great seriousness.	Scenario 1 The city is designed mainly for the automobile. Daily life without a car requires long bus rides. Walking is difficult and open dangerous; The roads in the city are of good quality and good no of trees to provide shade for pedestrians, New buildings have their main entrances set-back from the street, sometimes with large driveways or parking lots separating them from the street, and sometimes are enclosed by gates. Traffic signals are controlled by Traffic guards in the city.	Pedestrian facilities are poor. Table 5.72 (CMP Vadodara) Unregulated parking issue exists	Scenario 4 The city is highly walkable. Pavements exist on every street and are maintained. Trees line many sidewalks to provide shade for pedestrians. Buildings in most areas of the city are easily accessible from the sidewalk. Traffic signals control the flow of automobiles and are enforced. A network of bike lanes exists to promote cycling as a means of transport. Traffic rules are followed and enforced with great seriousness Widening & redesign of street will give comfort to pedestrian users for better usability. Cycle tracks will help to drive a cycle in safe mode.	ABD initiatives A7.1 Widening & Redesign of street A7.2 Junction improvement A7.5 No vehicle zone at Kadak bazaar A28. Integrated Vadodara Square adjoining Railway station A30. Public bicycle sharing pilot scheme A31. NMT infrastructure (cycle tracks, walkways etc)

A	B	C	D	E	F	G	H	I	J	K
	Feature	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment of the city (for Pan-City solution) or area (for Area-based development), with regard to each feature	Basis for assessment, and /or quantitative indicator Optional) – only if data exists	Projection of “where the city wants to be” with regard to the feature/indicator	Input/initiative that would move the city/area from its current status to Advanced status (Scenario 4)
12	IT connectivity	A Smart City has a robust internet network allowing high-speed connections to all offices and dwellings as desired. (Guideline 6.2)	City has no major plans to bring increased high speed internet connectivity to the public.	The city has made plans to provide high speed internet connectivity through the existing framework.	The city makes has high speed internet connectivity available in most parts of the city.	The city offers free wifi services to provide opportunity for all the citizens to connect with high speed internet across the city.	Scenario – 2 The city has made plans to provide high speed internet connectivity through the existing framework.	The city has already begun work for laying OFC and 63% has work has already been done.	Scenario – 4 The city offers free wifi services to provide opportunity for all the citizens to connect with high speed internet across the city for all government sites accessible 24x7 free of cost The city has plan for smart school management system which helps to bridge the IT connectivity gap. I poles integrated with command and control centre will give CCTV surveillance, Air quality sensors, ANPR, ambient sensors IT connectivity. E learning school will be implemented through IT connectivity	ABD initiatives A16. E Learning (digital inclusiveness) - Coporation School + Smart Night Classes for Adult & old age education A25. iPoles integrated with Command and Control Center A27. Smart School Management System P4.1.2 Optical Fiber

A	B	C	D	E	F	G	H	I	J	K
	Feature	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment of the city (for Pan-City solution) or area (for Area-based development), with regard to each feature	Basis for assessment, and /or quantitative indicator Optional) – only if data exists	Projection of “where the city wants to be” with regard to the feature/indicator	Input/initiative that would move the city/area from its current status to Advanced status (Scenario 4)
13	ICT-enabled government services	A Smart City enables easy interaction (including through online and telephone services) with its citizens, eliminating delays and frustrations in interactions with government. (Guidelines 2.4.7 & 3.1.6 & 5.1.4 & 6.2)	Essential Government services are not linked with online platforms. Paper intensive interactions with the local Government continues. Receiving services and response to citizen complaints take a long time. There is limited availability of data to monitor service delivery.	Some of the public services are provided online and infrastructure for total digitalization is not in place. Service delays occur regularly in some sectors. Responses to citizen inquiries or complaints are often delayed. No integration between services and billing.	Most of the services are provided online and offline. Data transparency helps monitoring. Systems and processes to better coordinate between various Government agencies are being developed.	All major services are provided through online and offline platforms. Citizens and officials can access information on accounting and monitor status of projects and programs through data available on online system. Robust data infrastructure system shares information and enhances internal governmental coordination.	<p>Scenario - 3</p> <p>Most of the services are provided online and offline. Data transparency helps monitoring. Systems and processes to better coordinate between various Government agencies are being developed.</p> <p>All Services are computerized and online payment facility for Property Tax, Prof. Tax, Vehicle Tax etc is available also payment collection through Ward office, 33 branches of banks and IVRS facility is made available for citizen.</p> <p>For Senior Citizen and Women; taxes are collected from their home on request by VMC representative.</p>	www.vmc.gov.in	<p>Scenario – 4</p> <p>All major services are provided through online and offline platforms. Citizens and officials can access information on accounting and monitor status of projects and programs through data available on online system. Robust data infrastructure system shares information and enhances internal governmental coordination.</p> <p>In addition of this, retrofitting of Fire station with high tech facilities is also proposed.</p> <p>The city has plan for smart school management system which helps to bridge the IT connectivity gap.</p> <p>I poles integrated with command and control centre will give CCTV surveillance, Air quality sensors, ANPR, ambient sensors IT connectivity.</p> <p>E learning school will be implemented through IT connectivity</p>	<p>ABD initiatives</p> <p>A16. E Learning (digital inclusiveness) - Coporation School + Smart Night Classes for Adult education</p> <p>A24. Smart water meters</p> <p>A25. iPoles integrated with Command and Control Center</p> <p>A27. Smart School Management System</p> <p>A29. Multiple MLCP with commercial development</p> <p>Pan City Initiatives</p> <p>P 7.0 ERP for VMC</p> <p>P 1.3 Vadodara Setu, Service Delivery app for Sr. Citizens</p> <p>P 5.0 Integrated Operation Center and Command Control Center</p> <p>P 4.1.1 Digital Display boards</p> <p>P 4.2 GIS (On surface and underground)</p>
14	Energy supply	A Smart City has reliable, 24/7 electricity supply with no delays in requested hookups. (Guideline 2.4)	There is only intermittent electricity supply with regular power shedding. Many residents have to plan their days around when power is available.	Electricity supply and loads are managed as per demand and priority for various functions with clear scheduling, with electricity being available in many areas for most hours of the day.	Electricity is available in most parts of the city for most hours of the day but some areas are not so well-served. Smart metering exists in some parts of the city but not all.	Electricity is available 24 x 7 in all parts of the city with smart metering linked to online platforms for monitoring and transparency.	<p>Scenario 3</p> <p>Electricity is available in most parts of the city for most hours of the day but some areas are not so well-served. Power cut only during preventing and break-down maintenance. No scheduled load shading.</p>	Data from MGVCL	<p>Scenario 4</p> <p>Electricity is available 24 x 7 in all parts of the city with smart metering linked to online platforms for monitoring and transparency. Real time electricity usage will be through smart meter facility</p>	<p>ABD initiatives</p> <p>A26. Smart Electric Meter Multi Utility Duct Pan City</p> <p>P4.2 GIS (on surface & underground)</p>

A	B	C	D	E	F	G	H	I	J	K
	Feature	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment of the city (for Pan-City solution) or area (for Area-based development), with regard to each feature	Basis for assessment, and /or quantitative indicator (Optional) – only if data exists	Projection of “where the city wants to be” with regard to the feature/indicator	Input/initiative that would move the city/area from its current status to Advanced status (Scenario 4)
15	Energy source	A Smart City has at least 10% of its electricity generated by renewables. (Guideline 6.2)	The city does not have any renewable sources of energy and there is no commitment to promote this for the foreseeable future.	The city is preparing plans for ensuring that it gets more energy from renewable sources and is in the process of making commitments in this regard.	Some energy consumed in the city is produced through renewable sources. There are long term targets for higher renewable energy capacities and the city is making plans to achieve these.	At least 10% of the energy used in the city is generated through renewable sources. The city is undertaking long-term strategic projects to tap renewable sources of energy in its region/beyond to increase the percentage of renewable energy sources.	Scenario 3 The city is preparing plans for ensuring that it gets more energy from renewable sources and is in the process of making commitments in this regard.	City has installed solar panel on Narmada canal which generated 14MW electricity. Overall 35% of energy used in the city is generated through solar energy.	Scenario 4 At least 10% of the energy used in the city is generated through renewable sources. The city is undertaking long-term strategic projects to tap renewable sources of energy in its region/beyond to increase the percentage of renewable energy sources. Rooftop solar will be installed on all Govt. buildings, schools, Hotels, etc.	ABD initiatives A20. Rooftop solar project at all govt. buildings
16	Water supply	A Smart City has a reliable, 24/7 supply of water that meets national and global health standards. (Guidelines 2.4 & 6.2)	The city has a poor water supply system with limited water availability. There are no clear targets to achieve higher quality and optimal quantity standards. Unaccounted water loss is above 40%	The city has intermittent water supply and availability. However it is setting targets and processes in place to try to improve its water supply. Unaccounted water loss is less than 30%.	The city has 24 x 7 water supply in most areas but the quality of water does not meet international health standards. Unaccounted water loss is less than 20%.	The city has 24 x 7 treated water supply which follows national and global standards and also available in sufficient quantity and affordable across all sections of the society. Unaccounted loss less than 15%.	Scenario 2 The city has intermittent water supply and availability. However it is setting targets and processes in place to try to improve its water supply. Unaccounted water loss is less than 30%.	(i) Coverage = 70% to 100% House connections (ii) Extent of NRW is 31% (iii) ESR capacity to be increased to 33% of 420 MLD. Continuity - Hours of Supply (iv) 90% Online Grievance Redressal (v) Mahi River WTP Capacity is to be augmented by 150 MLD. 97% Water quality is monitored by VMSS Public Health Laboratory at source, intermediate and distribution. (vi) 66% O&M Cost Recovery (vii) User Charges Collection efficiency 77% to 90%	Scenario 4 The city has 24 x 7 treated water supply which follows national and global standards and also available in sufficient quantity and affordable across all sections of the society. Unaccounted loss less than 15%.	ABD initiatives A8. 24x7 water supply A24. Smart water meter PAN initiatives P 4.2 Bulk Water meter P4.2.1 SCADA for STP

A	B	C	D	E	F	G	H	I	J	K
	Feature	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment of the city (for Pan-City solution) or area (for Area-based development), with regard to each feature	Basis for assessment, and /or quantitative indicator (Optional) – only if data exists	Projection of “where the city wants to be” with regard to the feature/indicator	Input/initiative that would move the city/area from its current status to Advanced status (Scenario 4)
17	Water management	A Smart City has advanced water management programs, including smart meters, rain water harvesting, and green infrastructure to manage storm water runoff. (Guideline 6.2)	The city does not measure all its supply. It does not recycle all waste water to meet its requirements and rain water harvesting is not prevalent. However it has made amendments to improve recycle & RWH in new developments. Flooding often occurs due to storm water runoff in some prone areas.	The city has meters for all its water supply but lacks mechanisms to monitor. Water wastage is very high. Some, but not much, rainwater harvesting exists.	The city has meters for all its water supply with some smart mechanisms to monitor. Rainwater harvesting systems are installed and storm water is collected and stored in water bodies. However, recycling of waste water and re-usage of storm water is limited.	The city has meters for all its water supply. It includes smart mechanisms to monitor remotely. Rainwater harvesting systems are installed and utilised through the city and storm water is collected and stored in water bodies and treated for usage. Recycled waste water is supplied for secondary uses.	Scenario 1 The city does not measure all its supply. It does not recycle all waste water to meet its requirements and rain water harvesting is not prevalent. However it has made amendments to improve recycle & RWH in new developments. Flooding often occurs due to storm water runoff in some prone areas.	RWH Amendment as per January 2012 The byelaws of VMSS were revised on January 18, 2012 CDP Vadodara 2012	Scenario 4 The city has meters for all its water supply. It includes smart mechanisms to monitor remotely. Rainwater harvesting systems are installed and utilised through the city and storm water is collected and stored in water bodies and treated for usage. Recycled waste water is supplied for secondary uses.	ABD initiatives A12. Rain water harvesting A10. Solar Water ATM(150 nos. in the area) A24. Smart water meter PAN initiatives P 4.2 Bulk Water meter
18	Waste water management	A Smart City treats all of its sewage to prevent the polluting of water bodies and aquifers. (Guideline 2.4)	The city is unable to treat all its sewage. Many local sewer lines open on to water bodies and open ground and pollute the environment.	Most waste water is collected and treated before disposal. However the treated water does not meet standards and is not recycled for secondary uses.	All the waste water is collected and treated before disposal. It is also treated to a high standard and some is recycled.	The city has zero waste water because all the waste water is collected, treated and recycled. It meets standards and reduces the need for fresh water.	Scenario 2 Most waste water is collected and treated before disposal. However the treated water does not meet standards and is not recycled for secondary uses.	Most of the STP in city are secondary treatment facility. No water is used for secondary uses.	Scenario 3 Sayaji bagh secondary treatment plant will be upgraded There is APS situated at Vadiwadi which is to be decentralized to tertiary treatment plant. All the waste water is collected and treated before disposal. It is also treated to a high standard and some is recycled for gardening and jetting for cleaning sewerage lines.	ABD initiatives A5. 1 Up gradation of SayajiBagh STP (8.5 MLD) & reuse of treated water for landscaping/gardening A5.2 De-centralized of STP at Vadiwadi (2.5 MLD) and reuse tertiary water to landscaping/gardening Pan City Initiatives P 4.1 SCADA system for STPs

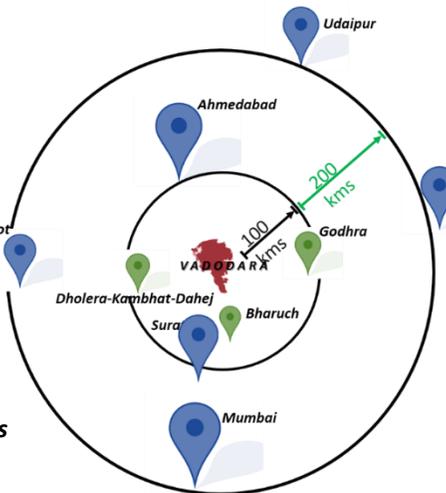
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19	Air quality	A Smart City has air quality that always meets international safety standards . (Guideline 2.4.8)	City does not have plans, policies or programs to improve the air quality. Systems to monitor air quality are absent.	City has programs and projects to monitor air quality and spatialising the data to ascertain reasons for degrees of pollution in the air. A few strategies to decrease air pollution have been implemented.	City has programs and projects to monitor air quality and spatialising the data to ascertain reasons for degrees of pollution in the air. Pollution levels are acceptable.	The city has clean air by international standards. Live Air quality monitoring cover the entire city and data of air quality are mapped.	Scenario 2 City has programs and projects to monitor air quality and specialising the data to ascertain reasons for degrees of pollution in the air. The ambient air quality samples are collected as per the standard norms for ambient air quality monitoring from four locations in the city at Nandesari CETP, GPCB office, Dandiya Bazar & Sterling Gelatin. The parameters determined during analysis include SO2, NOx, O3, NH3, CO, PM10, PM2.5, LEAD, ARSENIC, NICKEL, BENZENE and BENZO-A-PYRENE	http://www.gpcb.gov.in	Scenario 4 The city has clean air by international standards. Live Air quality monitoring cover the entire city and data of air quality are mapped. Introducing electric bus and e-rickshaw and Improving NMT facilities will help to reduce air pollution in the city	ABD initiatives A25. Air quality monitoring sensors on I pole A30. NMT - bicycle sharing A32. E Rickshaw on feeder route Pan City Initiatives P 3.2 Procuring new CNG eco friendly buses
20	Energy efficiency	A Smart City government uses state-of-the-art energy efficiency practices in buildings, street lights, and transit systems. (Guideline 6.2)	City has no programs or controls or incentive mechanisms to promote or support energy efficiency in buildings	The city promotes energy efficiency and some new buildings install energy efficiency systems that track and monitor energy use and savings.	Most new public buildings install energy efficiency systems and some older buildings are also retrofitted to be more energy efficient. Local government conducts counselling and outreach with developer, businesses and residents to adopt energy efficiency strategies	All the existing old and new public buildings employ energy efficiency principles in development and operation and apply for energy rating by national and international forums. Many non-public buildings are also energy efficient because the government promotes energy efficiency through incentives and regulations.	Scenario 2 The city promotes energy efficiency and some new buildings install energy efficiency systems that track and monitor energy use and savings.	City has already installed LED street lights in most of the part of the city.	Scenario 4 All the existing old and new public buildings employ energy efficiency principles in development and operation and apply for energy rating by national and international forums. Many non-public buildings are also energy efficient because the government promotes energy efficiency through incentives and regulations. Smart street light, Rooftop solar project will help to save electricity.	ABD initiatives A11. Smart Street Light A20. Rooftop solar project A32. E Rickshaw on feeder route Pan City Initiatives P 3.2 Procuring new CNG eco friendly buses

A	B	C	D	E	F	G	H	I	J	K
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21	Underground electric Wiring	A Smart City has an underground electric wiring system to reduce blackouts due to storms and eliminate unsightliness. (Guideline 6.2)	City does not have plans for underground electric wiring system.	More than 40% of the city has underground electric wiring system.	More than 75% of the city has underground electric wiring system.	More than 90% of the city has underground electric wiring system.	Scenario 1 City does not have plans for underground electric wiring system.	Discussions with MGVCL	Scenario 3 More than 75% of the city has underground electric wiring system. I-poles which will reduce other cluttered wire poles in the city	ABD initiatives A10. Multi Utility Duct A25. iPoles integrated with Command and Control Center Pan City Initiatives P 4.2 GIS (On surface and underground)
22	Sanitation	A Smart City has no open defecation, and a full supply of toilets based on the population. (Guidelines 2.4.3 & 6.2)	Many parts of the city do not have access to sanitation infrastructure and facilities.	Sanitation facilities are available to 70% of the city's population.	Sanitation facilities are available to 90% of the city's population.	Sanitation facilities are available to 100% of the city's population.	Scenario 3 Sanitation facilities are available to 90% of the city's population.	City has already covered 93%ODF.	Scenario 4 Sanitation facilities are available to 100% of the city's population. Introducing multiple-common toilet will help to achieve 100 % ODF.	ABD initiatives A13. Multiple common toilet booth making Open Defecation Free City (ODF) Sanitation campaign once in a week Mission 100 days for for ‘ Swach Vadodara’

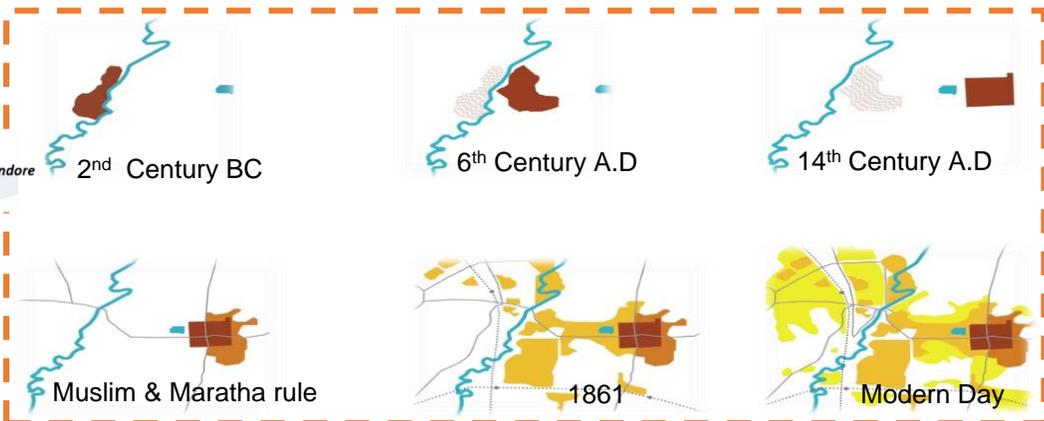
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23	Waste management	A Smart City has a waste management system that removes household and commercial garbage, and disposes of it in an environmentally and economically sound manner. (Guidelines 2.4.3 & 6.2)	Waste collection systems do not pick up waste on a frequent basis and waste often enters into water bodies.	Waste generated is usually collected but not segregated. Recycling is attempted but difficult to implement.	Waste is segregated, collected, recycled and disposed in an environmentally sound manner.	The city reduces land fill caused by waste so that it is minimal. All the solid waste generated is segregated at source and sent for recycling. Organic waste is sent for composting to be used for gardening in the city. Energy creation through waste is considered.	<p>Scenario 2</p> <p>At present 1200TPD waste is generated daily.</p> <p>Present collection efficiency is 100%.</p> <p>There is no mechanism for “segregation at source”</p> <p>Collection of waste is done partially through door to door system and partially through community bins.</p> <p>MSW is transported using mini trucks, trolleys & tricycles directly to landfill site at Atladara, without scientific processing.</p> <p>VMC has tied up with IMA, Vadodara for collection, treatment and disposal of biomedical waste.</p> <p>There are bigger bins at some strategic points but they too are over full or the solid waste is spilled all over the ground.</p>	Section 7.4 of CDP 2012	<p>Scenario 4</p> <p>The city reduces land fill caused by waste so that it is minimal. All the solid waste generated is segregated at source and sent for recycling. Organic waste is sent for composting to be used for gardening in the city. Energy creation through waste is considered.</p> <p>To cater over full or solid waste spilled all over the ground, RFID tag installed smart bins will be placed.</p> <p>Solid waste will be treated under Neighbourhood waste management programme.</p>	<p>ABD initiatives</p> <p>A6. Dustbin free zone</p> <p>A14. Neighbourhood Waste Management and waste to energy mini plant at community level</p>

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24	Safety and security	A Smart City has high levels of public safety, especially focused on women, children and the elderly; men and women of all ages feel safe on the streets at all hours. (Guideline 6.2)	The city has low levels of public safety - most groups of residents feel insecure during most parts of the day in many parts of the city.	The city has medium levels of public safety - some more vulnerable groups feel insecure during some points of the day and in some parts of the city	The city has high levels of public safety - all citizens including women, children and the elderly feel secure in most parts of the city during most time in the day.	The city has very high levels of public safety - all residents feel safe in all parts of the city during all hours of the day.	Scenario 3 The city has high levels of public safety - all citizens including women, children and the elderly feel secure in most parts of the city during most time in the day.	Abhayam call centre help line for women is already running in the city. As per YouGov survey 2012, Vadodara is been selected as safest city in India.	Scenario 4 The city has very high levels of public safety - all residents feel safe in all parts of the city during all hours of the day. To reduce pedestrian accidents, junction improvement and other NMT infrastructure will be upgraded. CCTV coverage will be improved to minimize the crime rate in the city.	ABD initiatives A7.2 Footpath & Junction improvement programme for better crossing of pedestrians A7.5 No vehicle zone at Kadak Bazar A23. Retrofitting of Fire Station and Upgrading with high-tech facilities A25. I Poles-CCTV cameras Pan City Initiative : P 2.3 Vadodara Setu, Service Delivery app for Sr. Citizens P 4.2 GIS (On surface and underground)

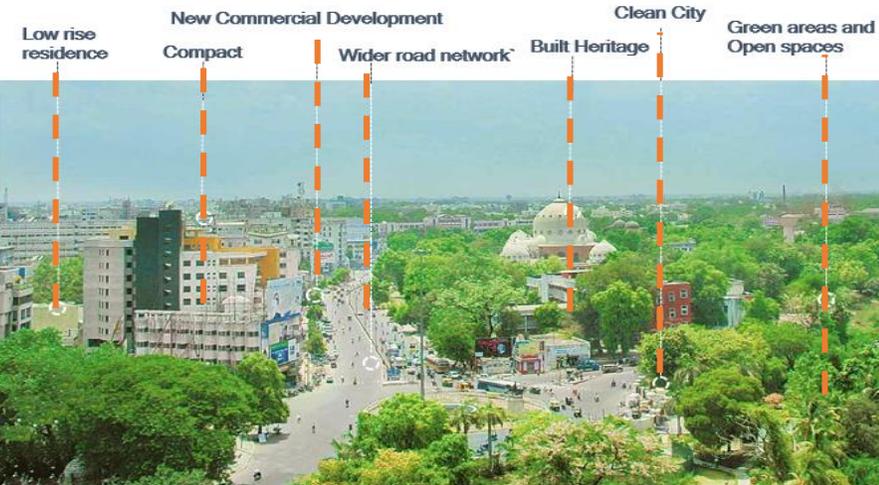
1.1 CITY PROFILE



- Listed Smart Cities & Metropolitan areas
- Other DMICDC Cities, Transit nodes & Industrial towns



CITY EVOLUTION



CITY IDENTITY

D E M O G R A P H I C S



VMC Area: 158.5 sq km
Third largest city of Gujarat
Cultural Capital of state



City Population : **1666703 (2011)**
Population Density : **104 person/hectare**
Population Growth : **14.38%**
Proportion of population to Gujarat : **6.89%**



City Sex Ratio : **934** Child Sex Ratio : **897**
Females : **801,159** Males : **869,647**



Average Literacy Rate : **89.74%**
Female Literacy Rate : **85.85%**
Male Literacy Rate : **93.35%**

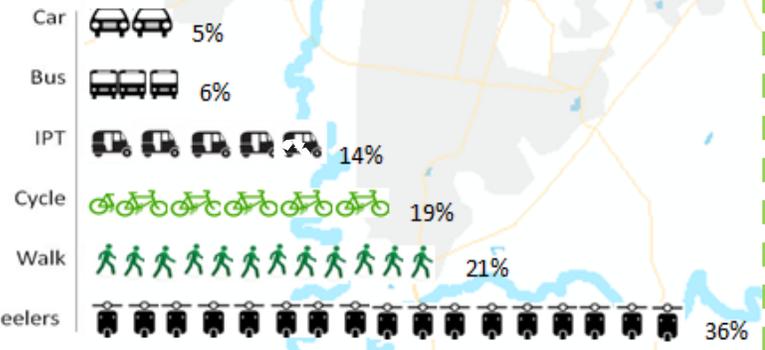
Solid Waste Management

- ✓ 1200 TPD WASTE GENERATION
- ✓ 25 HECTARE FOR SCIENTIFIC DISPOSAL
- ✓ GAS COMPOST GENERATED OUT OF 300 TPD

Water Supply

- ✓ 140LPCD WATER SUPPLY
- ✓ 98% HOUSEHOLD WATER CONNECTION
- ✓ 373 MLD WATER SUPPLIED

Urban Mobility



1.2 CITIZEN ENGAGEMENT

TOTAL CITIZEN PARTICIPATION



National Book Fair
Citizen Outreach –
430012



195276 survey
forms filled



353 responses
/suggestions



Happy Street
Citizen Outreach -
9989



222027 physical
forms received



2325 connections



876 SMS / 298
Letters / 110
emails



Confederation of Indian Industry

178 industry
experts and
vendors



1739 views for
Webinar



71 elected ward
representatives



110 resident field
experts



1472 followers

51%

Mass Citizen Activity Outreach

26%

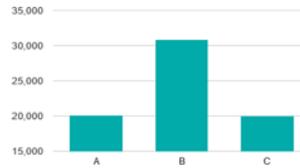
Offline

23%

Online

■ Online ■ Offline ■ Mass Citizen Activity Outreach

Affordable housing for poor
Survey: Vadodara - Smart City Mission



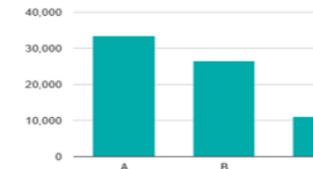
Assured Electricity Supply
Survey: Vadodara - Smart City Mission



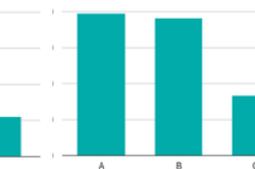
Drainage Facility
Survey: Vadodara - Smart City Mission



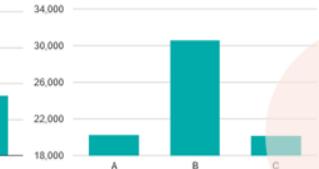
Education Sector
Survey: Vadodara - Smart City Mission



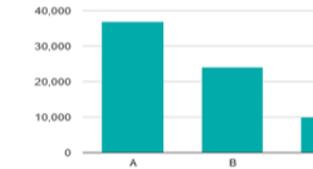
Health Services
Survey: Vadodara - Smart City Mission



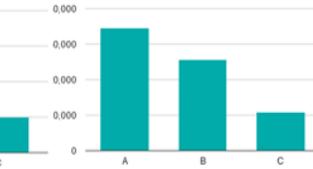
Municipal Administration(Complaint Management)
Survey: Vadodara - Smart City Mission



Water Supply
Survey: Vadodara - Smart City Mission



Safety & Security Citizens
Survey: Vadodara - Smart City Mission



SURVEY RESPONSES

Legends

- A : Satisfied with the service
- B : Should be improved
- C : Needs immediate attention



Evaluate

Apprise the citizens of the initiatives proposed and incorporate the feedback received



Prioritize

Rank the inputs in order of effectiveness, implementation and financial feasibility with the help of industrial experts and elected representatives



Analyze

Probe into the gathered inputs and map it to the KPI's required for substantiating any strategy or intervention proposed



Aggregate

Gather inputs on various issues involving citizen experience with public administrative bodies and service delivery



Define

Specify the framework and parameters within which citizens are supposed to be engaged

CITIZEN ENGAGEMENT STRATEGY

MyGov POLL RESULTS

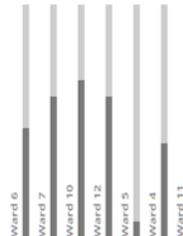
Preferred
Pan City
interventions



Preferred
ABD
interventions



Preferred
area for ABD



1.3 CONSULTATION ROADMAP



ROUND 1

- Gap Analysis of previous proposal
- Webinar by Commissioner, Deputy Commissioner & Mayor addressing the significance of smart city initiatives
- Polling on ABD area & pan city issues to be addressed

ROUND 2

- Leveraging National Book Fair, Happy Street event and mass citizen activities thus increasing citizen cognizance related to smart city features
- Engaging elected representatives, ex-mayors, CII and resident experts in envisaging the vision

ROUND 3

- Informing citizens about final initiatives proposed
- Final consultation with standing committee and public representatives to apprise them of financials and incorporating their feedback

2.1 CITIZEN ENGAGEMENT

TOTAL CITIZEN PARTICIPATION



National Book Fair
Citizen Outreach –
430012



Happy Street
Citizen Outreach -
9989



876 SMS / 298
Letters / 110
emails



71 elected ward
representatives



195276 survey
forms filled



222027 physical
forms received



178 industry
experts and
vendors



110 resident field
experts



353 responses
/suggestions



2325 connections



1739 views for
Webinar



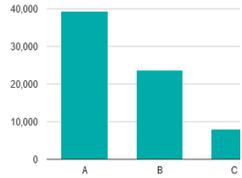
1472 followers

SURVEY RESPONSES

Affordable housing for poor
Survey : Vadodara - Smart City Mission



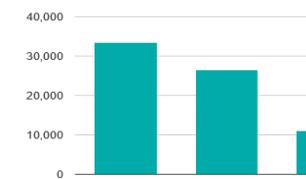
Assured Electricity Supply
Survey : Vadodara - Smart City Mission



Drainage Facility
Survey : Vadodara - Smart City Mission



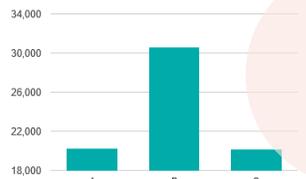
Education Sector
Survey : Vadodara - Smart City Mission



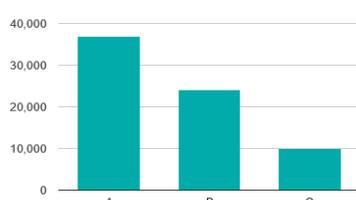
Health Services
Survey : Vadodara - Smart City Mission



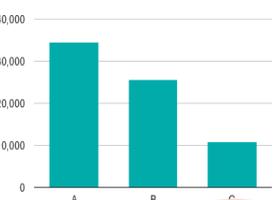
Municipal Administration(Complaint Management)
Survey : Vadodara - Smart City Mission



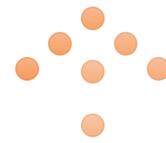
Water Supply
Survey : Vadodara - Smart City Mission



Safety & Security Citizens
Survey : Vadodara - Smart City Mission



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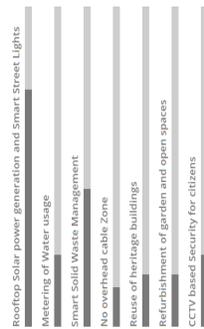
CITIZEN ENGAGEMENT STRATEGY

MyGov POLL RESULTS

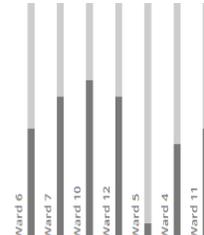
Preferred
Pan City
interventions



Preferred
ABD
interventions



Preferred
area for ABD



■ Online ■ Offline ■ Mass Citizen Activity Outreach

2.0 ABD AREA SELECTION



Polling on MyGov & VMC website for ABD area selection

Selected Wards

1. Ward 6 - 18%
2. Ward 7- 21%
3. Ward 10 -20%

Non selected Wards

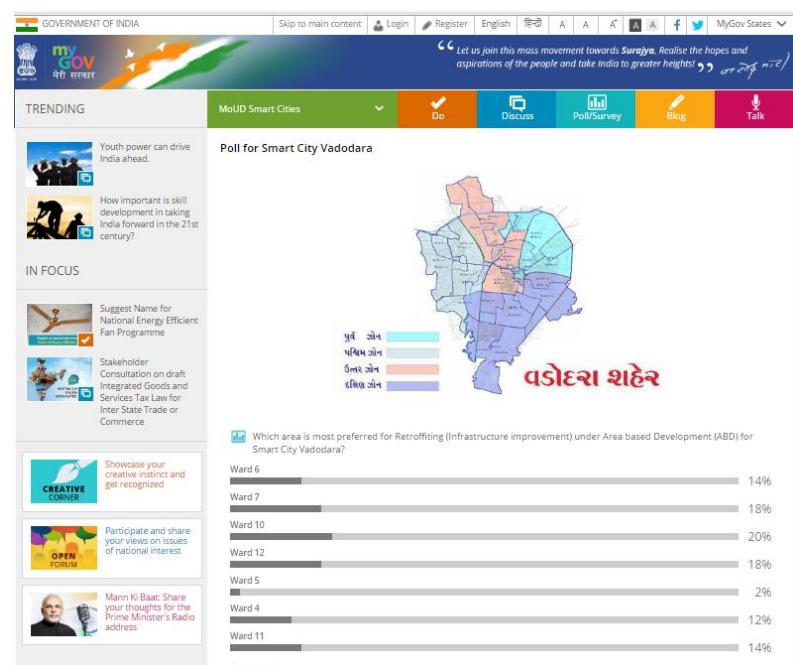
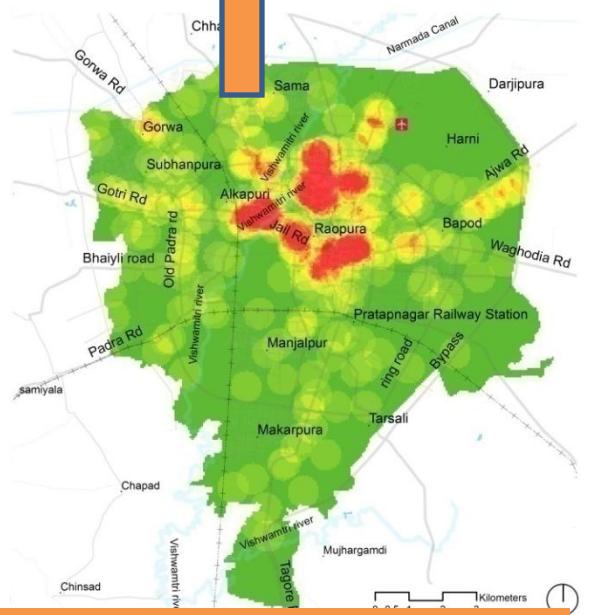
1. Ward 4 - 12%
2. Ward 5 – 2 %
3. Ward 11- 15%
4. Ward 12 – 12%

Mass Citizen Activity Outreach	Offline	Online
51%	26%	23%

Proposed Area



Declaration of Area



Smart City area earmarked

1,600 Acres Identified in Eight Areas

POCKETFULL OF GOODIES

Initiative	Cost
Multimedial hub at railway station	391.7
Slum-free area	259.6
Developing spaces at railway station	68.6
Rain water harvesting	50.0
Vishwamitri River at railway station	59.0
Multi-level car parking	40.4
Smart water meter	40.0
Smart electric meter	36.0
Total	1,111.3

Vadodara: If the Smart City proposal of the Vadodara Municipal Corporation (VMC) gets through, a 1,600-acre area in the city will undergo major transformation.

The VMC has selected the area as part of its area-based development proposal to be developed under the smart city project.

The large area comprises of parts of Akota, Alkapuri, Railway Station area, Kambhambha, MS University campus, Racecourse, Sayajigunj to name a few. In the east, area near Vishwamitri River has been earmarked while in the west it would be Race Course and Old Padra Roads. In the north, the area marked is near Race Course Road and to its south the Sankheshwar Parshwanath Road in Akota.

The works planned for the area include developing it as a heritage and cultural destination with a tourist information centre, a 24 X 7 urban health centre, smart dustbins that would give out alerts when nearly full.

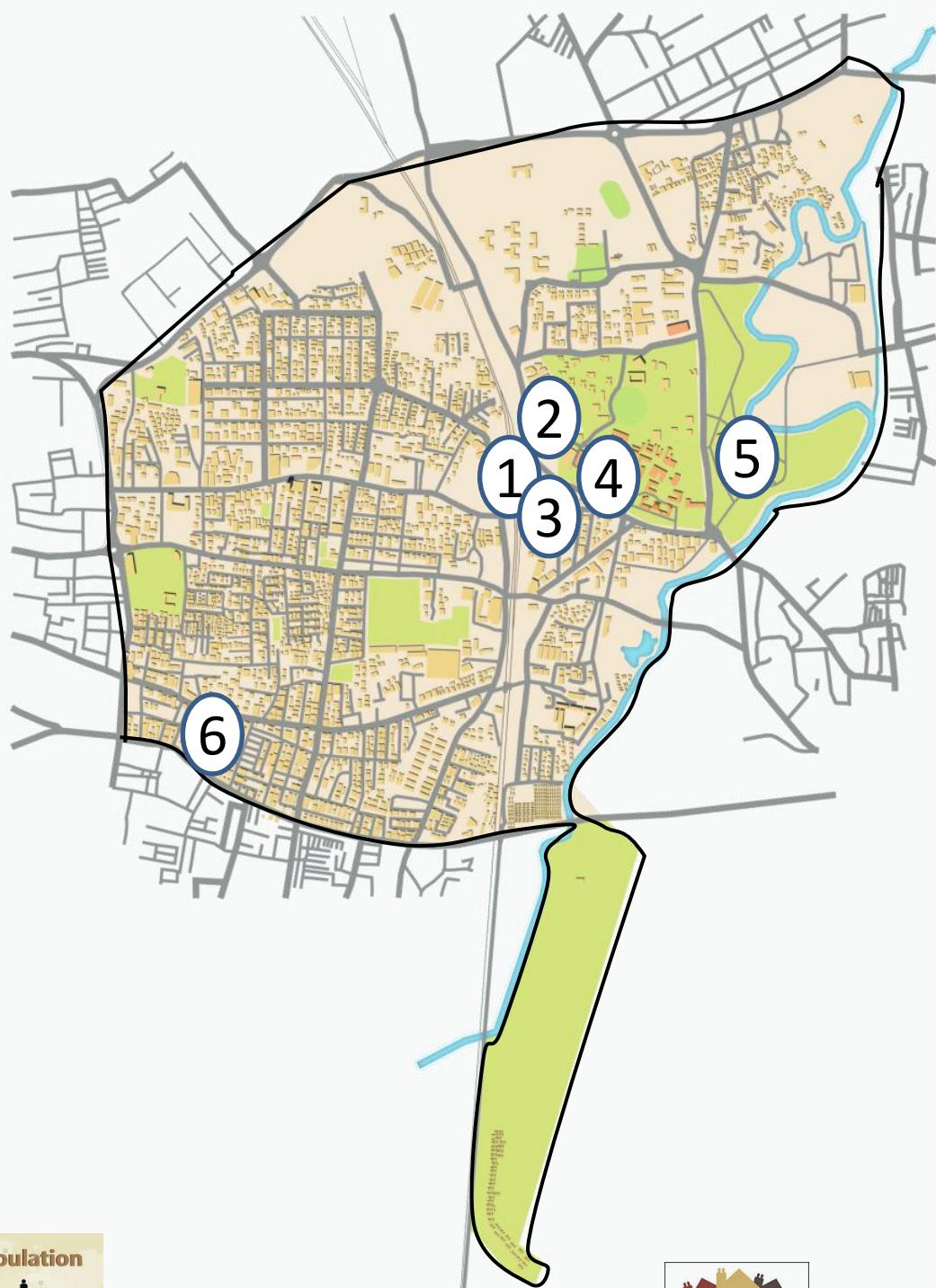
Recreational spaces will also be developed in public places like footpaths and major junctions. These areas will have outdoor gyms, play areas, amphitheatres, kids zone, zone for the disabled and other such facilities. The area will be provided water round-the-clock with water meters. Drinking water ATMs will be installed in the area. These will sell purified water at nominal costs to citizens.

Two libraries will come up in the MS University campus under the initiatives. The zone will also have municipal schools that provide e-learning to their students.

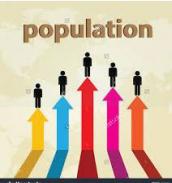
Overhead cables and wires may become a history in the area as it will have multi-utility ducts. The cables and wires will have to go through these ducts.

The area will have a bicycle sharing project and e-rickshaws on feeder routes for public transport system. It will have special bus services for school children.

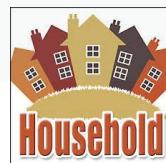
2.0.1 AREA PROFILE



Locality Details	
Area	Approx. 1698 Acres Retrofitting which includes 55 acres of redevelopment (City Square) (part of Ward no. 6 , 7 & 10) –4.4 % of VMC Area
Boundary	
East	Viswamitri River
West	Race Course Road and Old Padra Road
North	Race Course Road
South	Shankheshwar Parshwanath Road
Key Locations	
1.	Railway Station
2.	Vadodara /Central Bus Station
3.	City Bus Station
4.	Maharaja Sayajirao University
5.	Sayaji Baug/Kamati Baug
6.	Sir Sayajirao Nagargruh



Population: 1,03,278



House holds: 23170

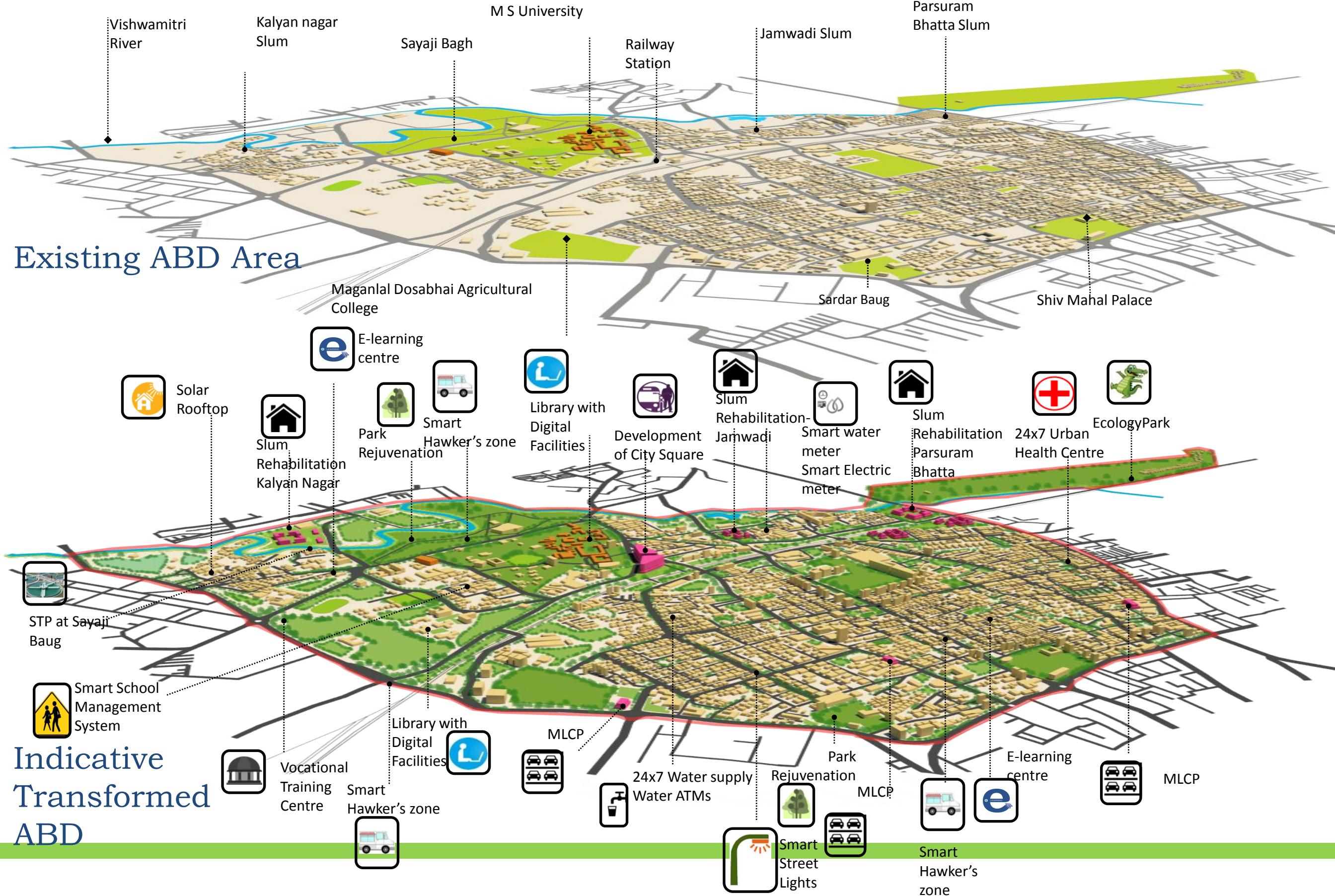


Length of Major Roads : 20 Km
Length of Minor Roads : 15 Km



Slum :3833

2.0.2 Proposed Area Based development



Existing ABD Area

Indicative Transformed ABD

2.1 QUALITY OF LIFE

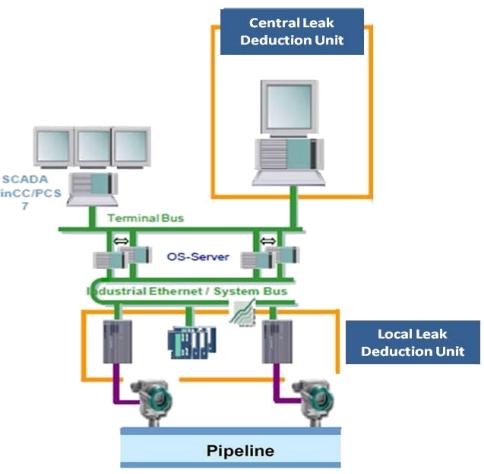
REDUCE, RE-USE AND RE-CYCLE OF WASTE/ RESOURCES

- Roof catchment
- Rainwater Percolation Reservoir



Rainwater Collection in Multistoried Roofs

RAINWATER HARVESTING



STP UPGRADING AND DECENTRALIZATION WITH SCADA

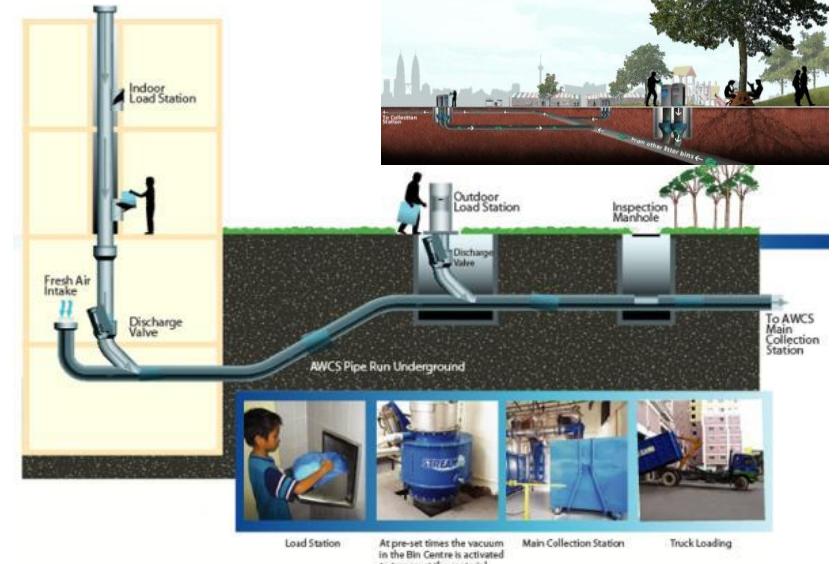


Dust bin free zone will make clean zone



CONTAINER FREE ZONE

50 TPD PROCESSING PLANT



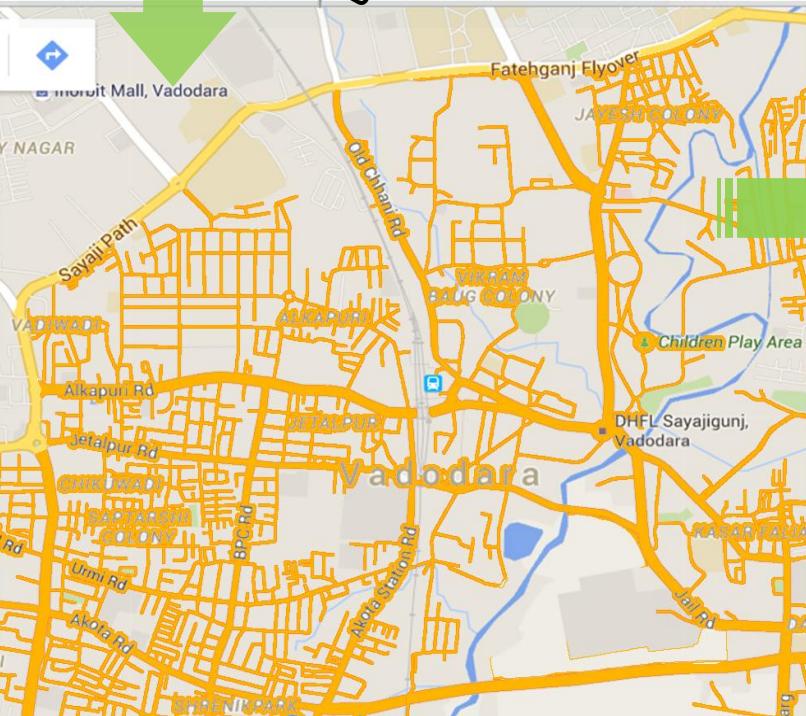
SOLID WASTE MANAGEMENT

2.1.1 Smart Street Lights and Rooftop Solar Panels

To utilise natural resources through sustainable facilities and aim at energy conservation.



Key Plan

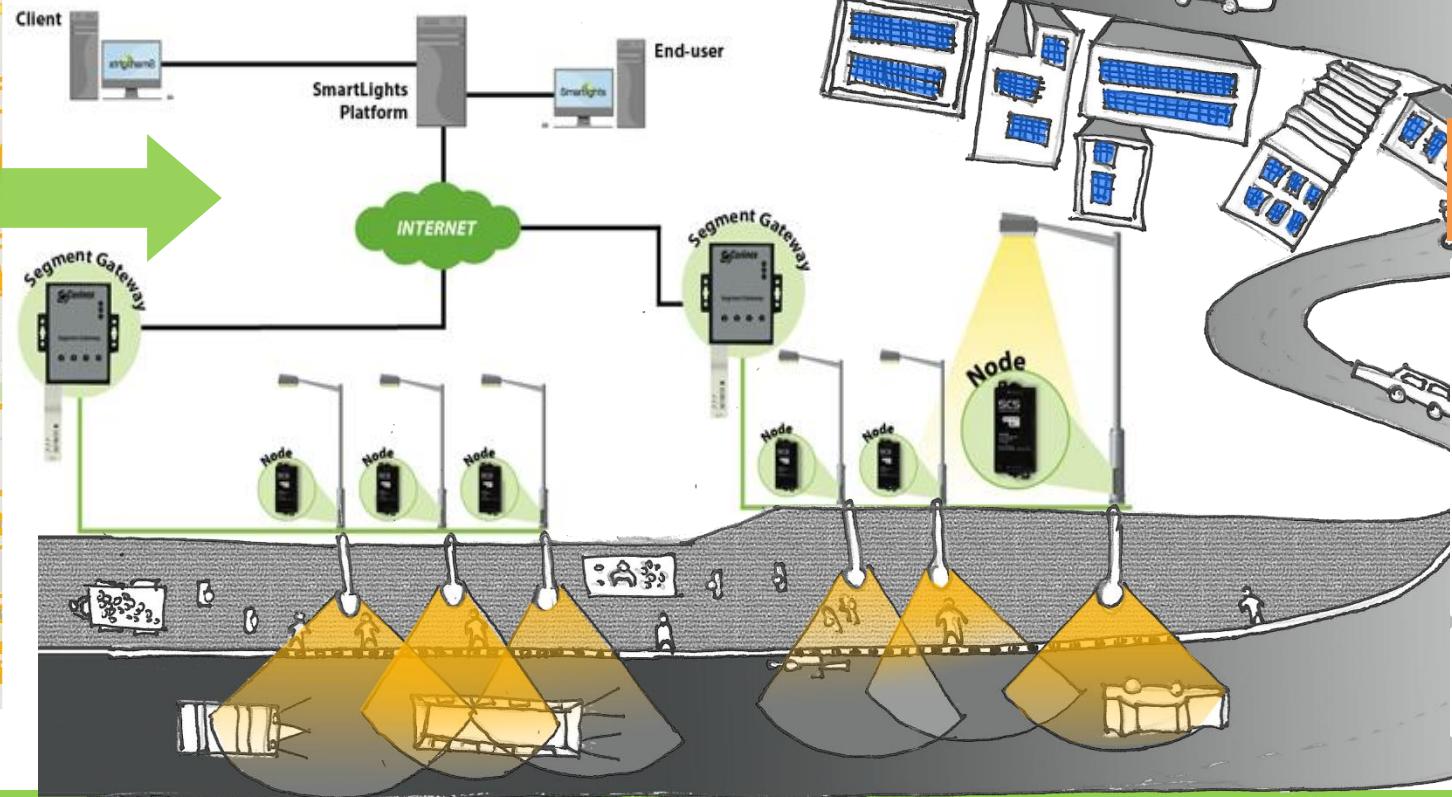


The Street Network of Vadodara ABD

The Rooftop Solar Project intends, to convert the city's energy consumption into a more **sustainable** one by the installation of solar panels on the flat terraces of the buildings. The project aims at developing **1,50,000 sqft** area & contribute to **1.6 MW** power generation.



The Smart Street Lights project aims at providing a sustainable solution, by **sensitizing** the street lights towards movement and no activity under them. The street lights, through a portal shall be dimmed off when there is no movement or activity that takes place under it, thus **conserving the energy** consumed and attempt to **eliminate light pollution**.



ROOFTOP SOLAR PANEL

Total Project Cost = Rs. 16.0 crore

O & M Cost = 1.39 crore

Completion Time = H1 FY 2018-19

Funding : Smart City Fund , Solar City Scheme and JNNSM

SMART STREET LIGHTS

Total Project Cost = Rs. 10.2 crores

O & M Cost = Rs. 88 Lakhs

Completion Time = H1 FY 2018 -19

Funding : SCF & Convergence

2.1.2 Container Free Zone and Neighborhood Waste Management

Set up of Neighborhood waste management system . Efficient waste disposal along with provision of stationary compactor , Broomer, and Mechanical sweeper machine

Organic waste to be processed > gas generation + compost > selling



Key Plan

Container Free Zone and the Neighborhood Waste Management project are to include the following, to help in keeping the city clean and contribute to an organised way of collection, segregation and disposal of waste from the city:

BROOMER

MECHANICAL SWEEPER MACHINE



STATIONARY COMPACTOR

Container free zone will make clean zone



Existing work site at Kalyan Nagar



Load Station

At pre-set times the vacuum in the Bin Centre is activated to transport the material from the Discharge Valve to a sealed container in the main collection station.

Main Collection Station

Truck Loading

50 TDP PROCESSING PLANT at Kalyan Nagar

Container Free Zone

Total Project Cost = Rs. 50.4 crore

O & M Cost = Rs. 20.15 crore

Completion Time = H2 FY 2017-18

Funding : Convergence Fund

Neighbourhood Waste Management

Total Project Cost = Rs. 12.0 crore

O & M Cost = Rs. 5.22 crore

Completion Time = H1 FY 2018-19

Funding : PPP & Convergence Fund

2.1.3 Multiple Common Toilet Blocks and STP upgradation and decentralization

Set up of Common Toilet blocks 12 No's at community levels. Upgradation of Sayaji baug STP and decentralization Vadiwadi STP's with SCADA and PLC features along with recycling of treated water for gardening, flushing etc.

Multiple Common Toilet Blocks

Total Project Cost = Rs. 1.0 crore

O & M Cost = Rs. 0.09 crore

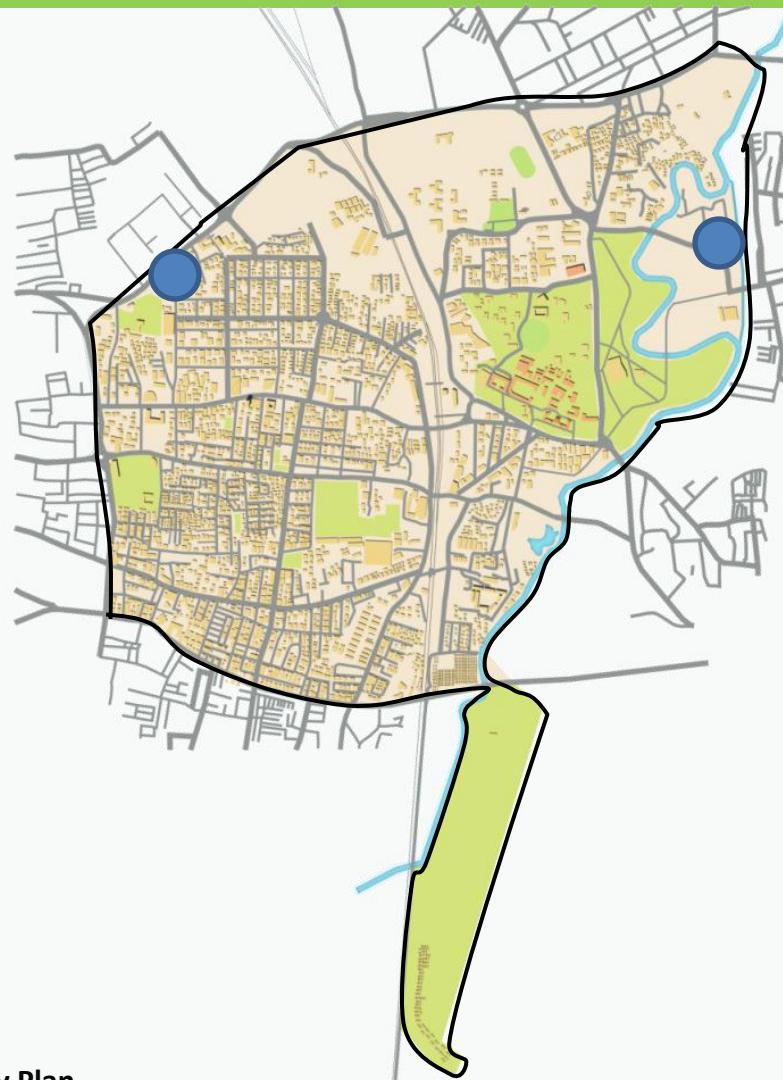
Completion Time = H2 FY 2018-19

Funding : convergence and PPP

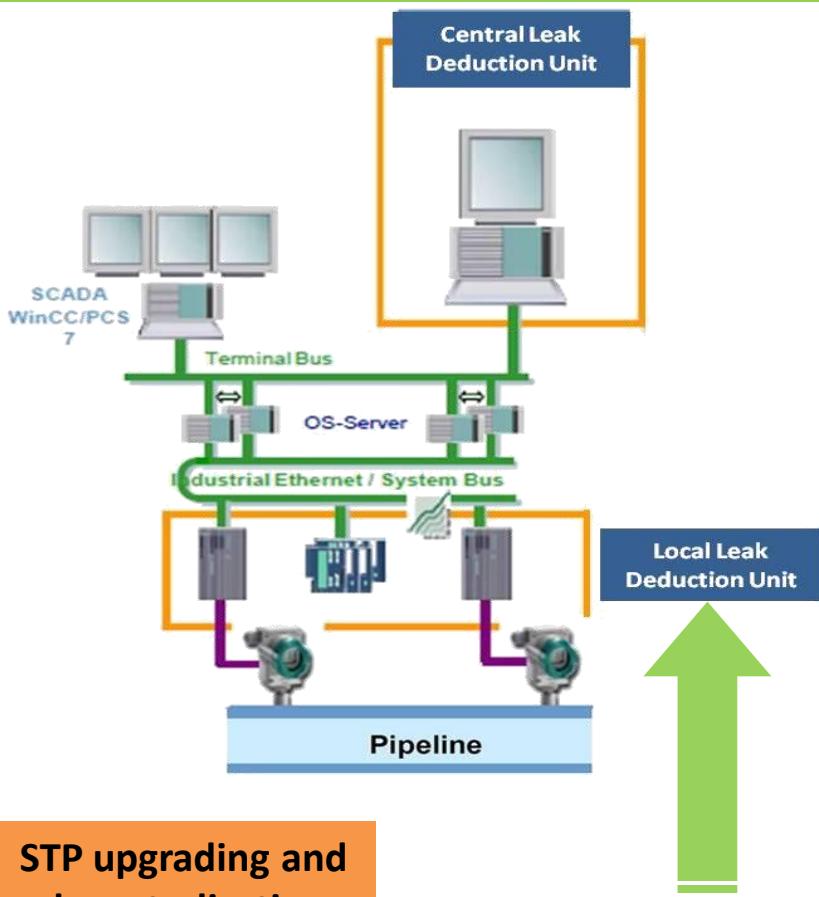
The Multiple Common Toilet Block Project aims to set up **12** numbers of community toilets, in various areas in the ABD. This project strives to achieve **Open Defecation Free City (ODF)** and also encourage **good sanitation** practices amongst the people..



1 toilet block with urinal facility for men & 1 for women



Key Plan



STP upgrading and decentralisation

Total Project Cost = 19.0 crores

O & M Cost = 11.19 crore

Completion Time = H2 FY 2019-20

Funding : SCF & Convergence

The **STP upgradation** at Sayaji Baug (8.5 MLD) and decentralized 2.5 MLD new STP at Vadiwadi, aims at **re-using waste water**, after which the tertiary water can be used **for gardening**, fire and jetting in **cleaning** drainage/ sewerage lines.

2.1.4 Rain water harvesting and Deep Water Recharging

Set up of Rain water harvesting features at household and commercial building activities - 1000 Installation No's. Set up of 64 No's of Deep Underground Water Recharge pits for recharging ground water aquifers

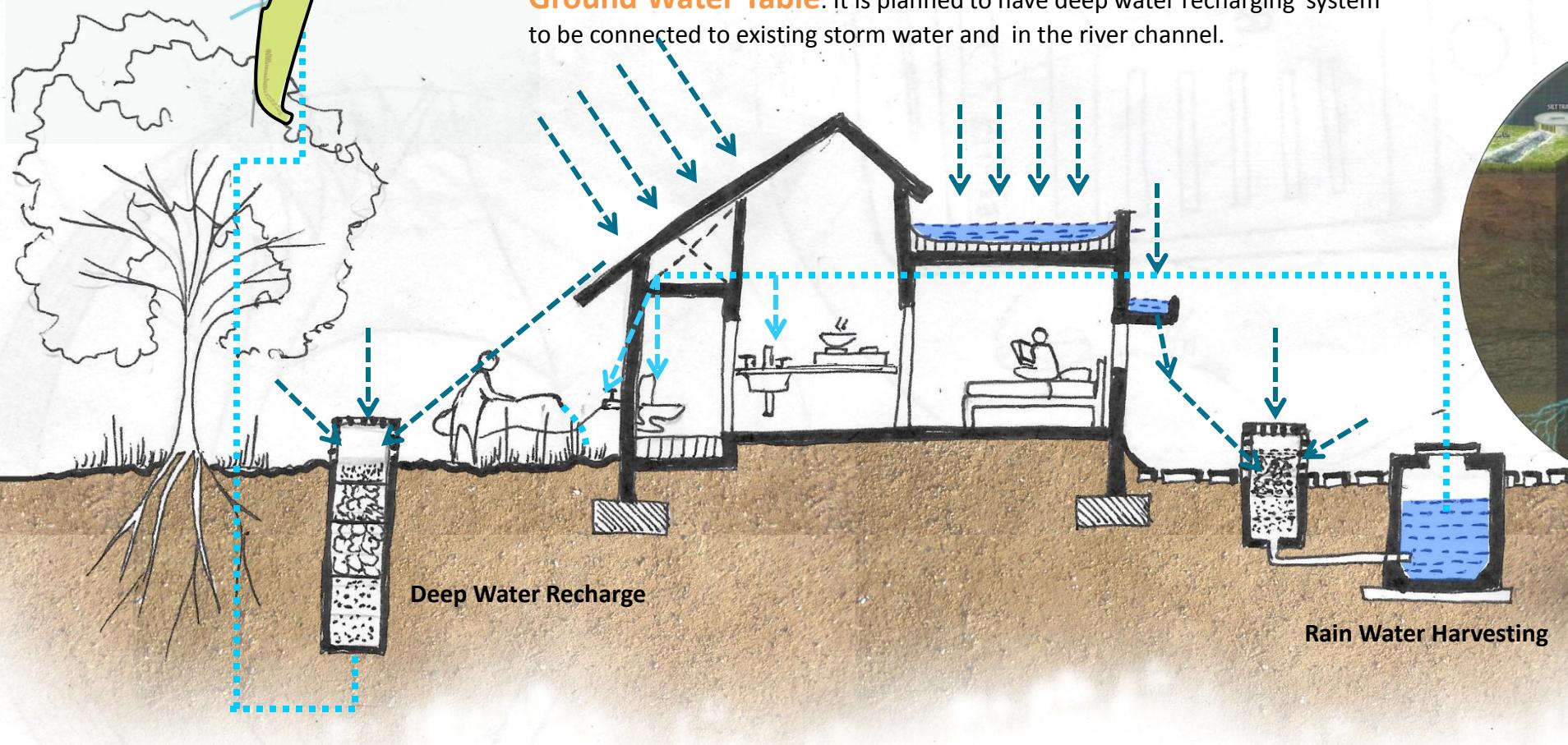
Conserving the available rain water, has been made **compulsory** in Vadodara city and measures have been taken to achieve the same. The Rain Water Harvesting and the Deep Water Recharging through RWH Projects aim **to collect, filter, store, re-cycle and re-use the rain water** in the city of Vadodara. Inspired by the ancient practice of **the step wells** that have existed Navlakhi, Vadodara, the project find ways to create various **catchment** solutions which may act as a usable space when the rains haven't set in. This **dichotomy of space usage** of a particular area, proves to **conserve**, not only **rain** water but also **the human activity** that can extend into these spaces. The RWH Project also ensures in **replenishing** the existing lakes and river that flows through the city, thus **contributing** to the **Ground Water Table**. It is planned to have deep water recharging system to be connected to existing storm water and in the river channel.



The Step Wells of Adalaj, Gujarat



Key Plan



Deep Water Recharging

Total Project Cost = Rs. 3.2 crores

Completion Time = H2 FY 2018-19

Funding : SCF

Rain Water Harvesting

Total Project Cost = Rs. 40.0 crore

O & M Cost = Rs. 2.92 crore

Completion Time = H2 FY 2021-22

Funding : SCF

2.1.5 24x7 Water Supply and Water ATMs

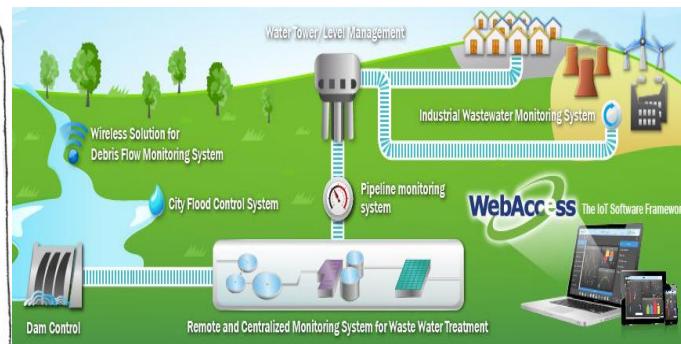
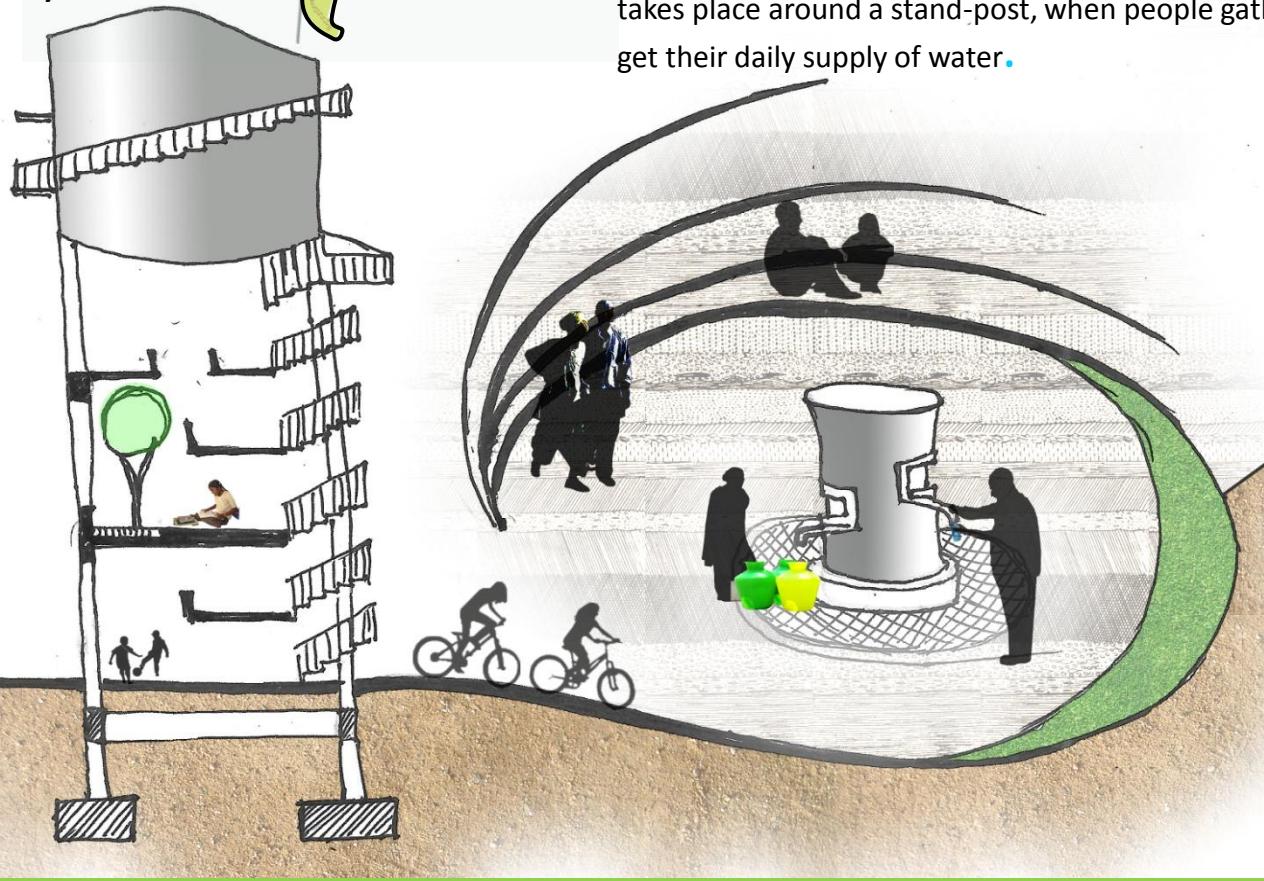
Source upgradation, Rehabilitation and replacement of existing water supply distribution network and Transmission Network . Providing 12 Water ATMs.



The **24x7** Water supply Project, aims to ensure that the households of Vadodara will be entitled to a **perpetual supply** of water and will be charged for how much water is consumed by that particular household, monitored by a smart water meter. The setting up of various water tanks, overhead water tank, a sump, pumping station and related equipment, will be included as a part of the scheme.

The **Water ATM Project**, will be set up as these units, posing as an interesting **alternative** to the **Stand-post/ Tube-wells**. The Water ATM design will although take **inspiration of the community interaction and activity** that takes place around a stand-post, when people gather to get their daily supply of water.

Key Plan



24x7 Water Supply

Total Project Cost =
Rs. 60.0 crore

O & M Cost
=Rs. 23.55 crore

Completion Time
= H1 FY 2019-20

Funding :
Convergence

Water ATMs

Total Project Cost =
Rs. 0.6 crores

O & M Cost
= Rs. 32 lakhs

Completion Time
= H2 FY 2017-18

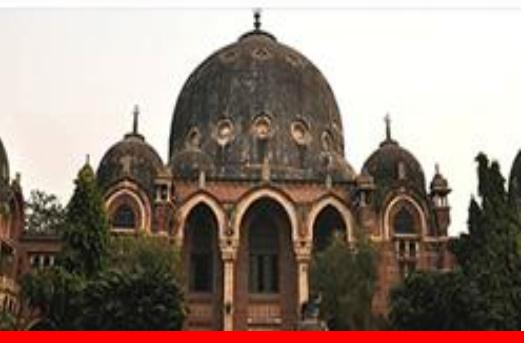
Funding : 100% from
PPP

2.2 ENRICHING VADODARA'S SOCIO-ECONOMIC ENVIRONMENT

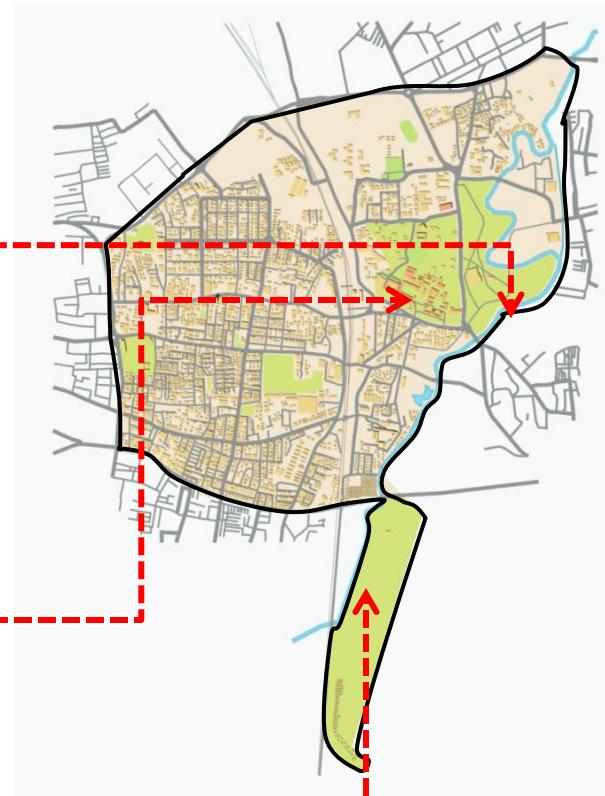
ANNEXURE 2



VISHWAMITRI RIVER



EDUCATION CENTRES

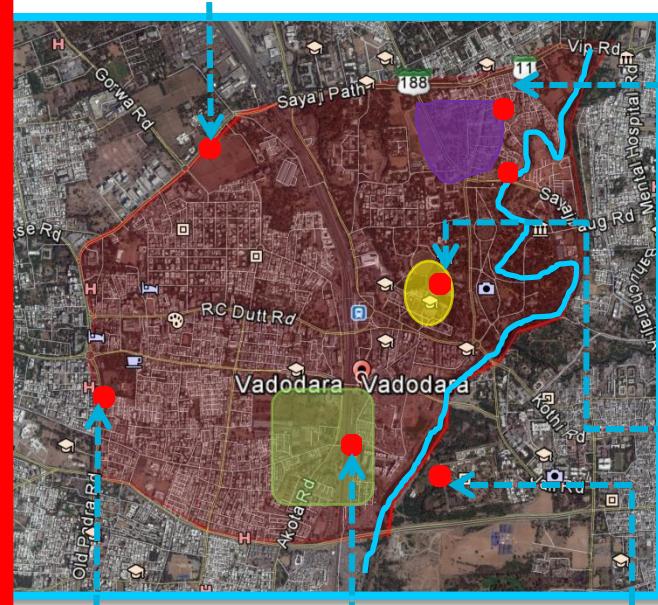


EXISTING CONDITION OF ABD



SLUM AREA

PROPOSED VISION FOR ABD



HAWKER'S ZONE



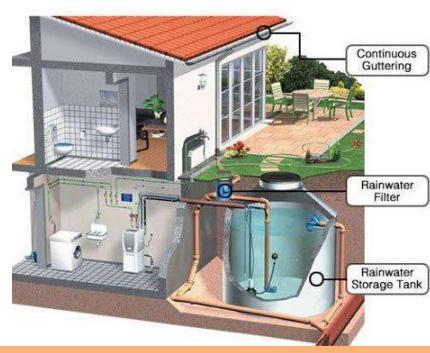
SLUM FREE AREA



VISHWAMITRI RIVER REJUVENATION



ROOF TOP SOLAR PANELS



ROOF TOP RAIN WATER HARVESTING SYSTEM



VOCATIONAL



COUNSELLING

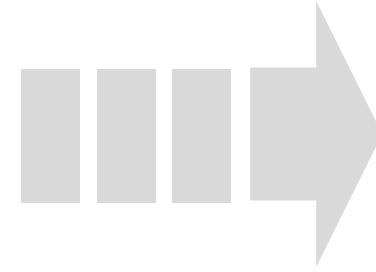


ARTISANS TRAINING

EDUCATION CENTRES

2.2.1 Additionalities to Vishwamitri Riverfront (Vishwamitri Riverfront Influence Area-VRIA)

To increase the liveability in the city.



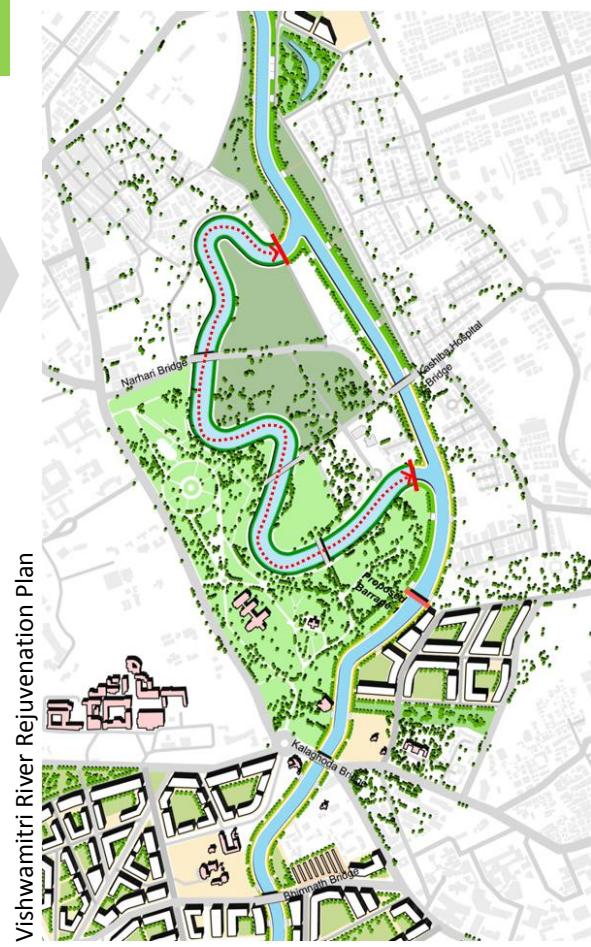
Rejuvenation of 4.6 KM of length of Vishwamitri River. The proposal is to **Rejuvenate** the **Ecology** of river, **Enhance** the **Cultural Importance** of the city, **Restore** the **Connection** of the river with the City as well as address the **Future Needs** of the City.



Existing View from Kala Ghoda Bridge



Existing View at Bhim Talav



Vishwamitri River Rejuvenation Plan



Proposed River Edge Development



Neighborhood Park

Extension of Ratri Bazaar

Ox Bow Lake Park

Sayaji Baug

Kala Ghoda

Bhim talav Development

Barrage

Continuous Promenade

Future Development

Stretch to be Developed = 4.6 KM

Total Project Cost = Rs. 477.4 crore

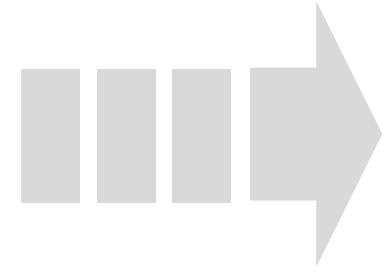
Completion Time = H2 FY 2019-20

Funding : Convergence Fund & SCF



2.2.2 Ecology Park

To increase the liveability and recreational area in the city.



Recreational area of the city that caters to the **bio diversity** of the City. The recreational area consists of four major **activities. Research & Development Centre, Ecology Park, Amusement Park and Recreational Park.**



Crocodiles

FEATURES:

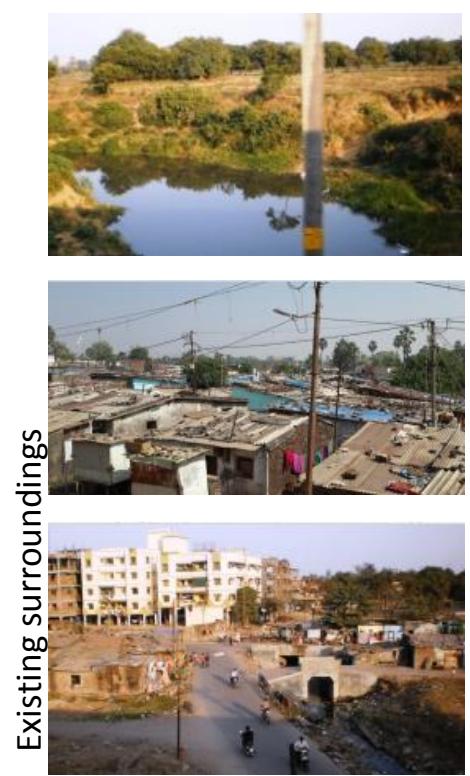
- Waterfront Promenades
- Green Belt along river
- Sports facilities
- Swimming and leisure pool complexes
- Theme park
- Event area
- Amphitheatre
- Parks and open spaces
- Picnic spot
- Pedestrian walkways

Total Area to be Developed = 105 acre

Total Project Cost = Rs. 30 crore

O & M Cost = Rs. 2.57 Crore

Completion Time = H2 FY 2019-20



Existing surroundings



Event area



Central Park



Sports Area



Promenade

Source:VMC/ Black Ink

Museum & Recreation Area

2.2.3 Slum free area – with Wellness and De-addiction Centre

An initiative towards a slum free city.



Existing condition

Wellness Centre

Slum Free City to provide better **housing facilities** for the **slum dwellers**. Provides better **infrastructure** to the slum dwellers. With facilities of wellness and de-addiction centre in each building. Develops better **open spaces** for the residents for **better livelihood**.

Total Slums to be Developed = 3830 nos

Total Project Cost = Rs. 259.55 crore

Completion Time = H1 FY 2018-19

Funding : Convergence Fund & PPP

2.2.4 Vocational training, Artisan and Counselling centre

For training for uneducated and to help create more employment in the city.



VOCATIONAL



ARTISANS TRAINING



COUNSELLING



Vocational Training, to provide training to the uneducated people of the city and hence have more **opportunities for employment**. **Artisan Training** hosts the classes to provide better **training for the artists**. **Counselling** would help people for the overall **personality development**.

Total Centre to be Developed = 4 nos.

Total Project Cost = Rs. 4 crore

O & M Cost =Rs. 1.74 crore

Completion Time = H1 FY 2018-19

2.2.5 Library with Digital Facilities & E-Learning School

To increase the education efficiency in the city.

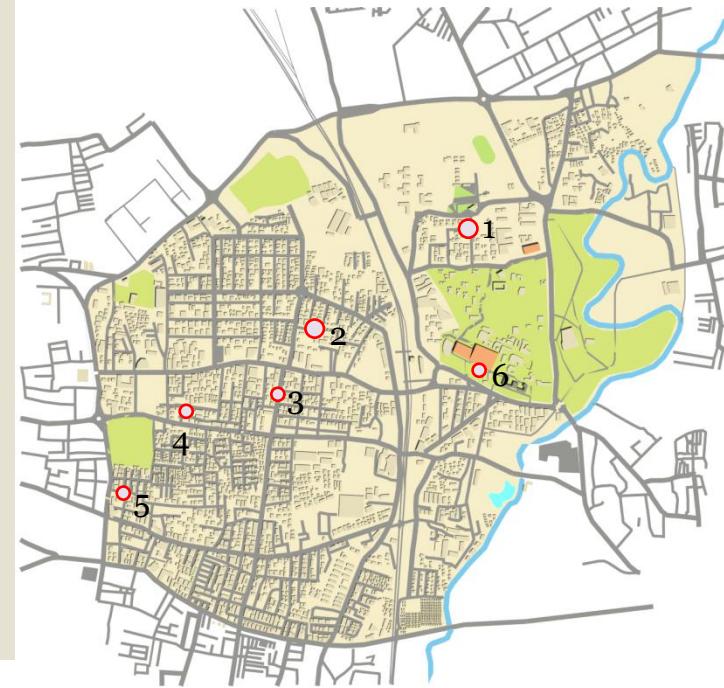
Library with Digital Facilities

Provides **e-access** to full-text and bibliographic databases of scholarly journals. **Wi-Fi accessibility** for library users. **Online public access** catalogue for library books, Thesis, Students' works, Bound periodicals, Articles from journals CDs etc. **Inter Library Loan** and **Inter Library Reference** services. **SMS service** for messaging members.



Existing Libraries:

1. Sir Sayajirao Memorial Trust Library
2. Government District Library
3. ICAI Library
4. Liberia Library
5. Rotary Club Library
6. Shrimati Hansa Mehta Library



Total Library to be Developed = 2 Nos

Total Project Cost = Rs. 2.2 crore

O & M Cost = Rs. 96 Lakhs

Completion Time = H1 FY 2018-19



Provides **e-learning courses** to students enrolled in municipal school during day time will get opportunity to learn from **best of faculties** who might be miles away from city and during night time it will provide **opportunity** for adults and old people to develop **vocational skills** which will help them to excel in their careers . Enabling **critical thinking and problem solving** by bringing best education to class from all over the world . E-learning school will also provide project based learning where students can **collaborate** through the **technology** and receive feedback on their project. It will also be the place where adult can get more **personalised training** .

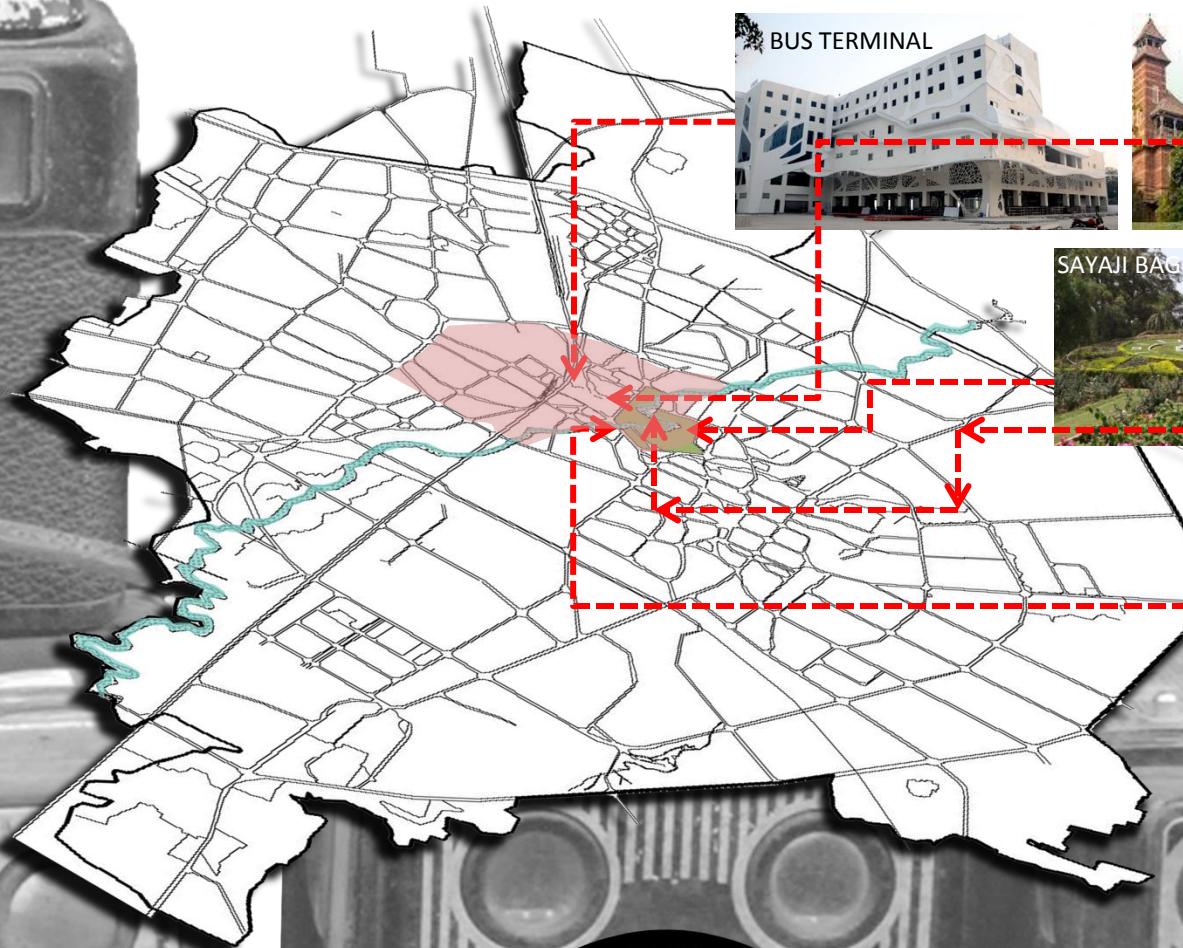
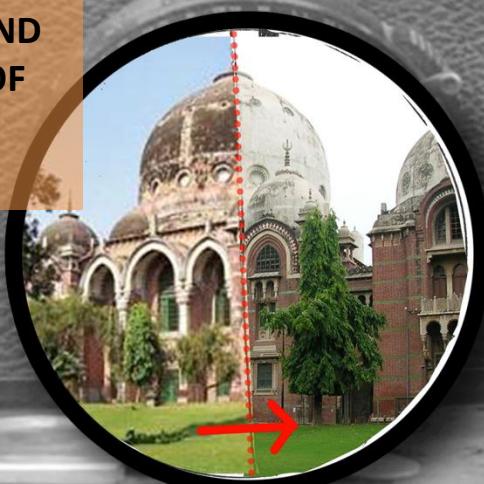
Schools for E-learning:

1. Municipal School near Jayesh colony
2. Municipal School at Sayajigunj
3. Municipal School near Rajshree Theatre
4. Municipal School at Jetalpur



2.3 CENTER for ARTS & HERITAGE

REVAMPING AND RENOVATION OF HERITAGE STRUCTURES



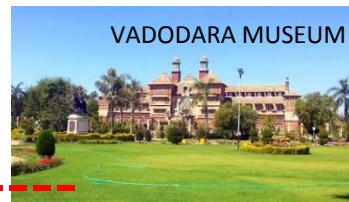
BUS TERMINAL



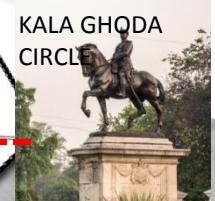
MS UNIVERSITY



SAYAJI BAGH



VADODARA MUSEUM



KALA GHODA CIRCLE



PLANETARIUM



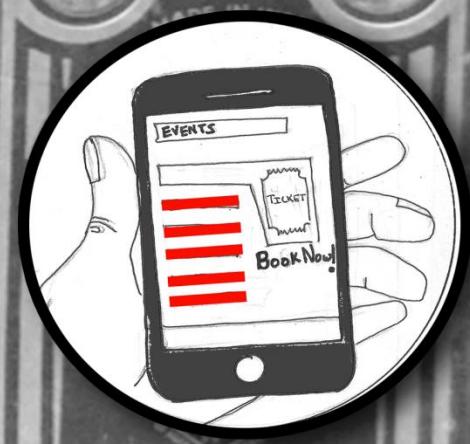
VIRTUAL TOUR



HERITAGE BUS



CITY IDENTITY CENTRE



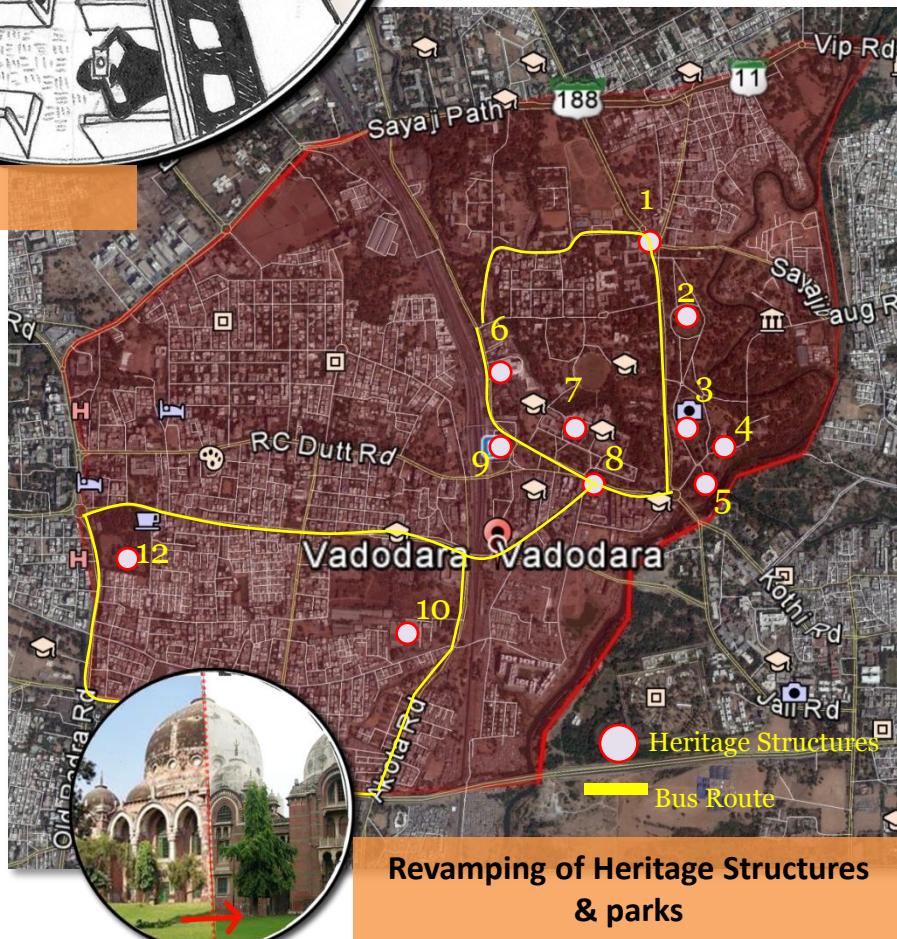
MOBILE APP

2.3.1 Revamping of Heritage Structures & parks , Heritage Tourist Bus

Promote heritage and culture and hence tourism will be increased



Heritage Bus



Revamping of Heritage Structures & parks

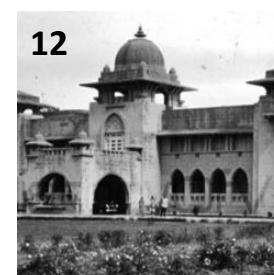
1. Maharana Pratap Statue
2. Sayaji Bagh
3. Vadodara Museum
4. Sayaji Bagh Amphitheatre
5. Planetarium
6. Vadodara Bus Terminal
7. MS University
8. Kala Ghoda Circle
9. Hirak Bagh
10. Dinesh Mills
11. Sri Sayajirao Nagargurh
12. Shiv Mahal Palace



Facade lighting



Light show at Sayaji Baugh



Adaptive Re-Use of Abandoned Structures

Total Area to be Developed = 250000 sqft

Total Project Cost = Rs. 50 crore

O & M Cost = Rs 3.5 crore

Completion Time = H2 FY 2019-20

Funding : SCF

Heritage Bus

No.of Bus = 3

Total Project Cost = Rs. 3.5 crore

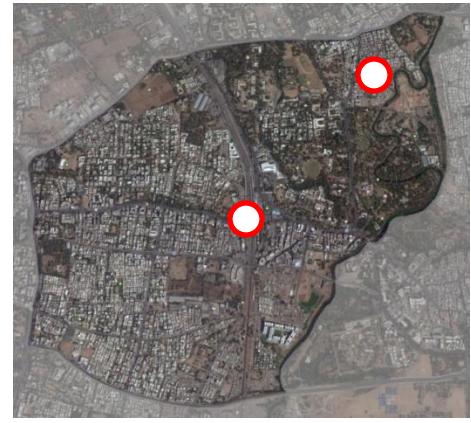
O & M Cost = Rs. 0.26 crore

Completion Time = H2 FY 2017-18

Funding :
Capex – SCF
Opex - PPP

2.3.2 City Identity Centre

Centres where tourist will get information about the city, tourist destination places and its activity

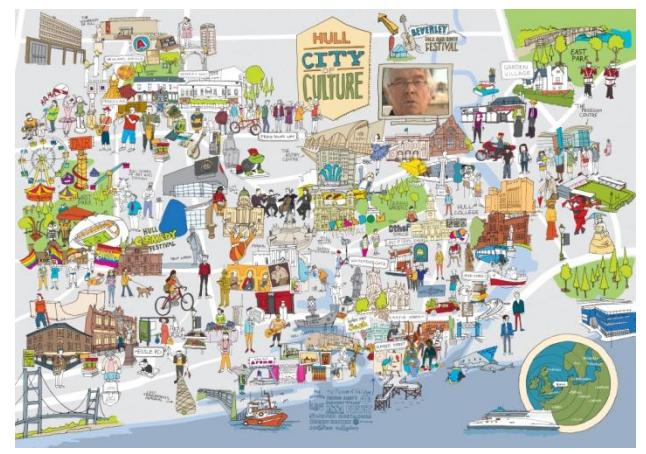


Key Plan

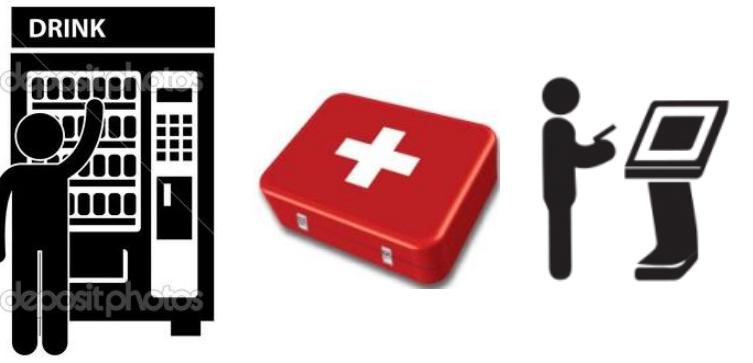
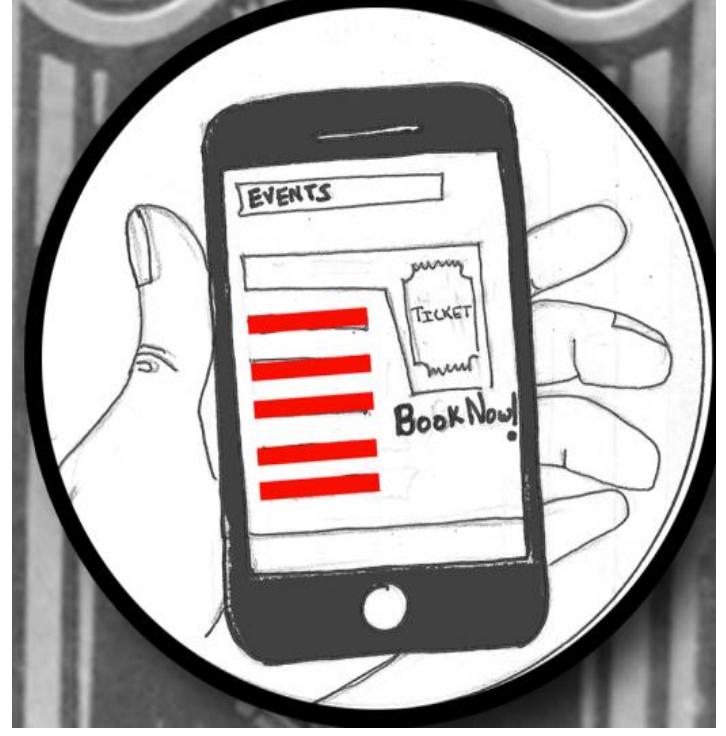
City Identity Centres established in the city, will cater as being the **Storehouse of information** for various heritage buildings and tourist spots in the city. These Centres will **Connect** the visitor to the city, using maps, mobile apps and virtual information. These centres will also act as the **Pit-Stop** for a tourist, housing various facilities.



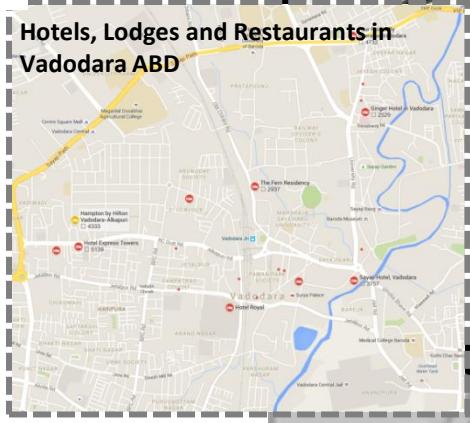
Voice enabled map based apps for Heritage and Culture tourism preferment



Tour tickets, Tour Guides

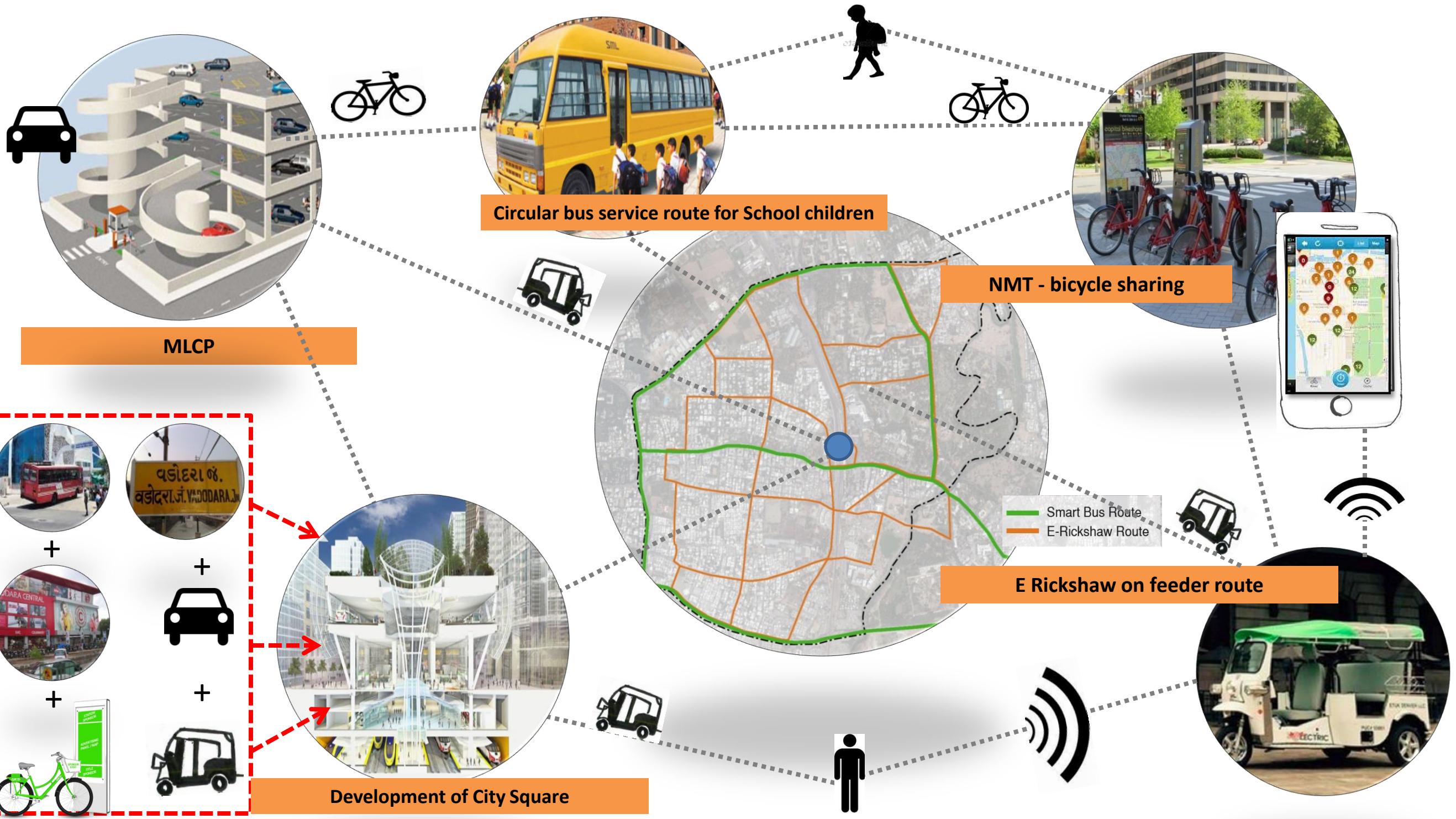


Tour tickets, Tour Guides



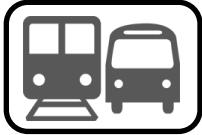
- No.of Centres = 2
- Total Project Cost = Rs. 4 crore
- Completion Time = H2 FY 2017-18
- Funding : Capex – SCF Opex - PPP

2.4 IMPROVE URBAN MOBILITY



2.4.1 Development of City Square

To enhance the public transportation in the city.



Multimodal Connectivity



Development of City Square will be developed with facilities such as Smart Bus Stands with waiting area, Parking Area with Commercial Plaza and Kadak Bazar.

The hub will consist of multiple modes of Railways, Public Transportation such as Buses, Taxis etc.



MLCP



Bus Stand



Commercial Plaza



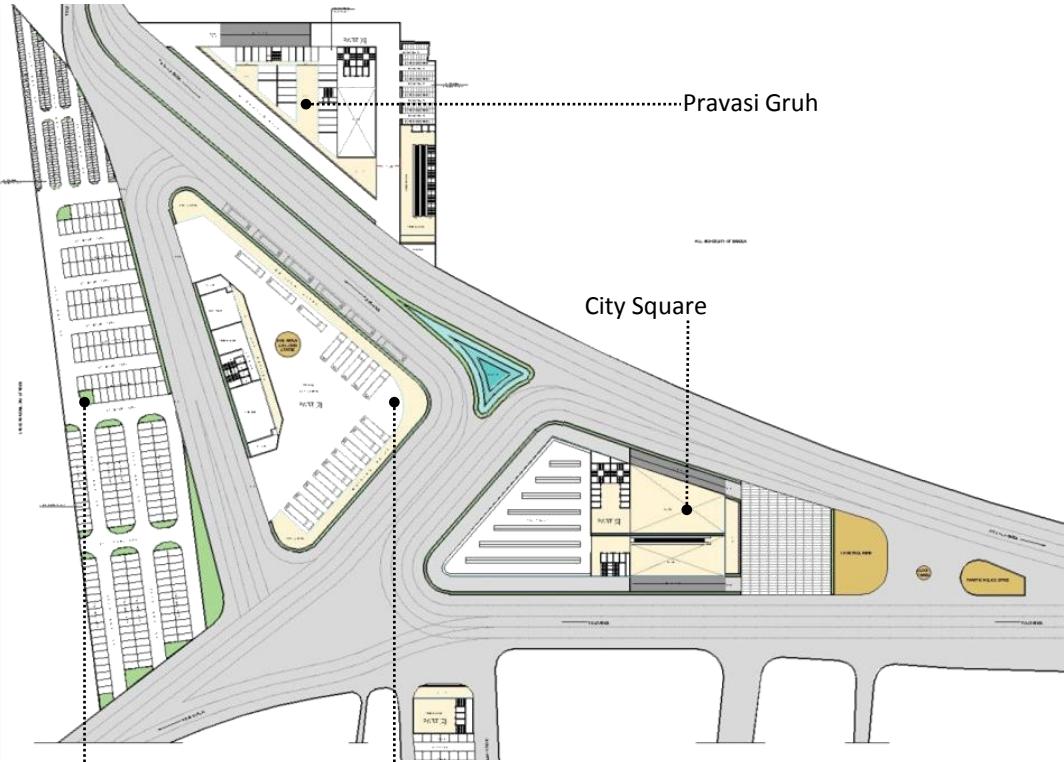
Park and Ride



Total Area to be Developed = 55 acre

Total Project Cost = Rs. 418 crore

Completion Time = H1 FY 2021-22



Pravasi Gruh

City Square

Railway Parking

VIP Parking



Image courtesy: VMC/Black Ink

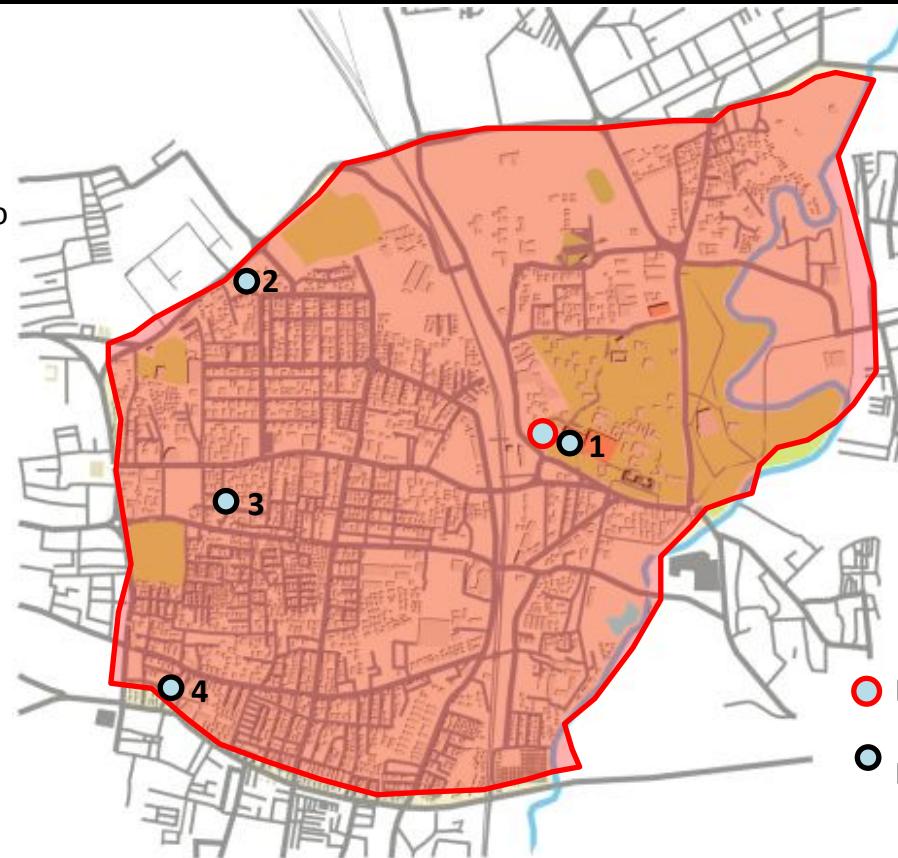
2.4.2 Multi Level Car Park (MLCP)

To help solving the traffic problems and space utilization.



Multi Level Car Park will be developed to help solve the Traffic Problems in the city. The project will also help in **Better Space Utilization**.

MLCP at **Railways Station** will create the opportunity of **Park & Ride** and help **reduce** the **Chaos** at the busy hustle bustle hours of peak hours.



Total No of MLCP = 4 nos

Total Project Cost = Rs. 40.4 crore

O & M Cost = Rs. 3.52 Cr

Completion Time = H1 FY 2021-22



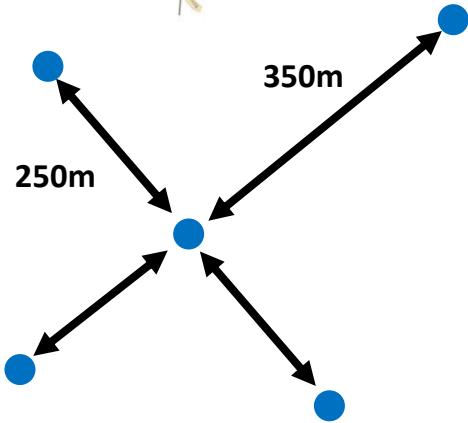
- | | | |
|----------------------|-----|---|
| 1. Railway Station | 340 |  |
| 2. Model Farm | 400 |  |
| 3. At Joyallukas | 250 |  |
| 4. Sayaji Nagar Gruh | 150 |  |



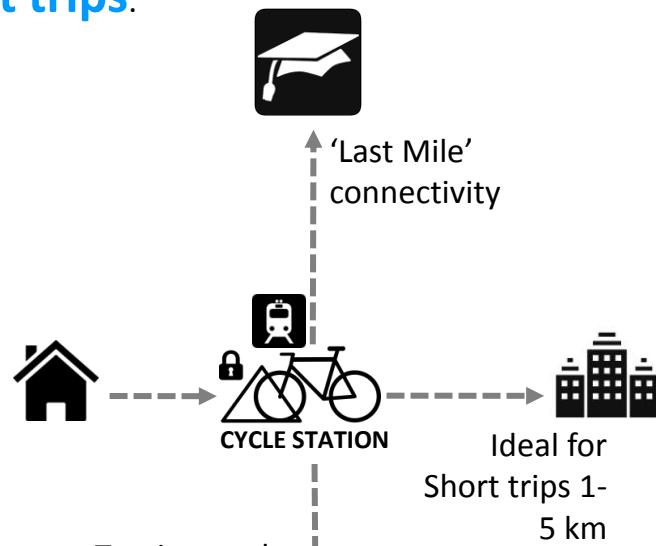
2.4.3 NMT – Bicycle Sharing

To enhance connectivity and help improve public Health and air quality

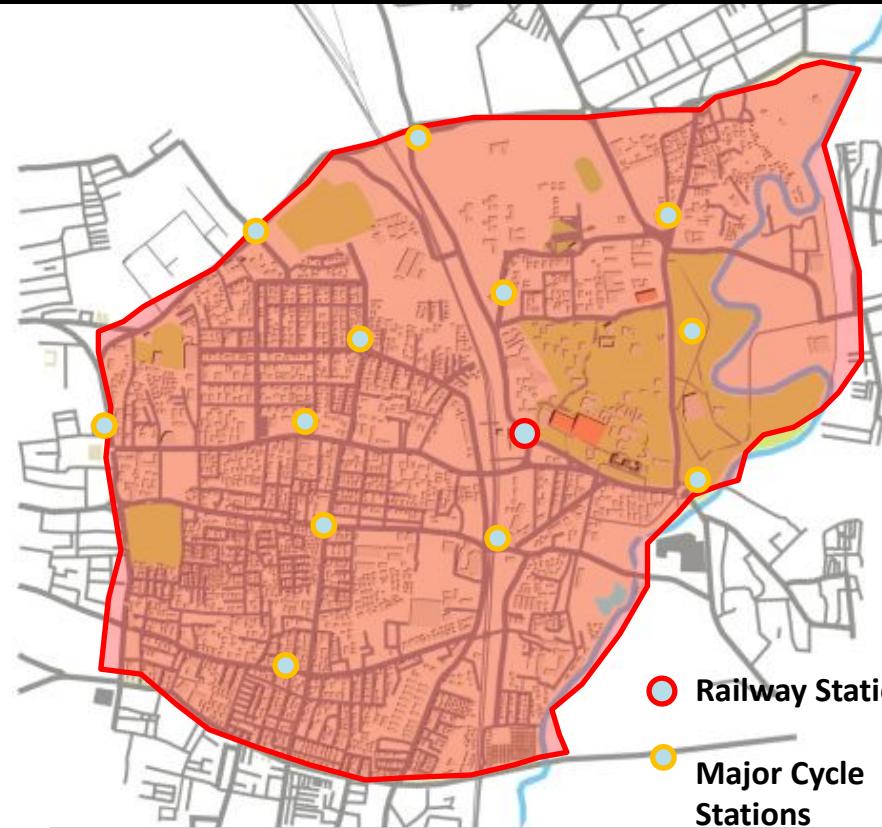
NMT **Public bicycle sharing scheme** as a pilot project will be a **dense network** of cycle docks, as a **safe, convenient and alternative** option for **short trips**.



Approx. 250-350m distance between 'cycle docks'. Dense network makes it convenient.



Tourists explore city at own pace
Incredible India
Gujarat Tourism



Public bicycle sharing : 40 cycle stations, 750 cycle docks (small stations), 500 cycles

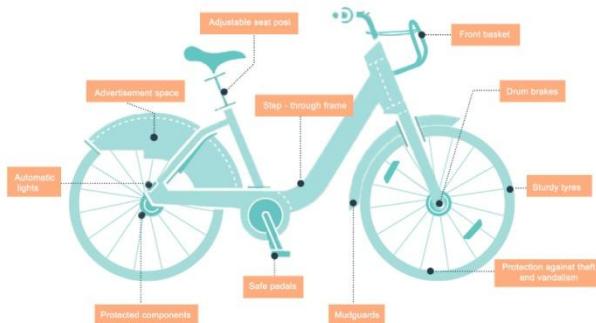
Total No of Bicycles = 500 nos

Total Project Cost = Rs. 6 crore

O & M Cost =Rs. 58 Lakhs

Completion Time = H1 FY 2018-19

Funding : PPP



Custom designed bicycles



Apps. With Real time data



Automated system, Smart card payment



Dedicated Bicycl lanes & Bicycle Station

2.4.4 E Rickshaw on feeder route

Helps to enhance connectivity within the city and support the public transport system.



E rickshaws **are smart sustainable solution** to intercity connectivity, which will be developed with **Solar Powered charging stations** at major transport nodes. . An **intelligent** solution for **inter city mobility**.



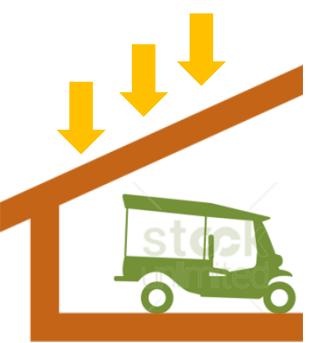
Total Area to be covered = 1698 acres

Total Project Cost = Rs. 4.8 crore

Completion Time = H2 FY 2018-19

E-Rickshaw acts as feeder service to the city bus service operating from major roads to interior parts of the city.

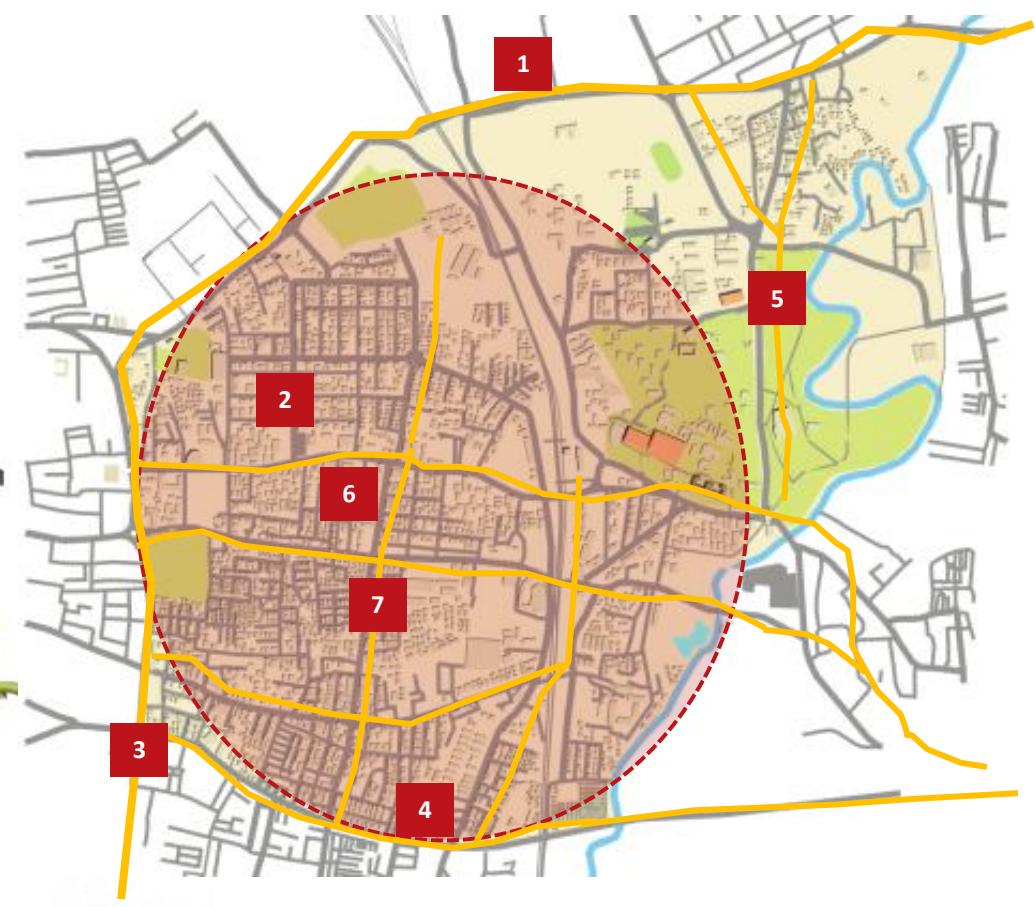
Connecting to more dense parts of the city
 Smart Sustainable mode of transportation



Solar powered charging station



Charge and go



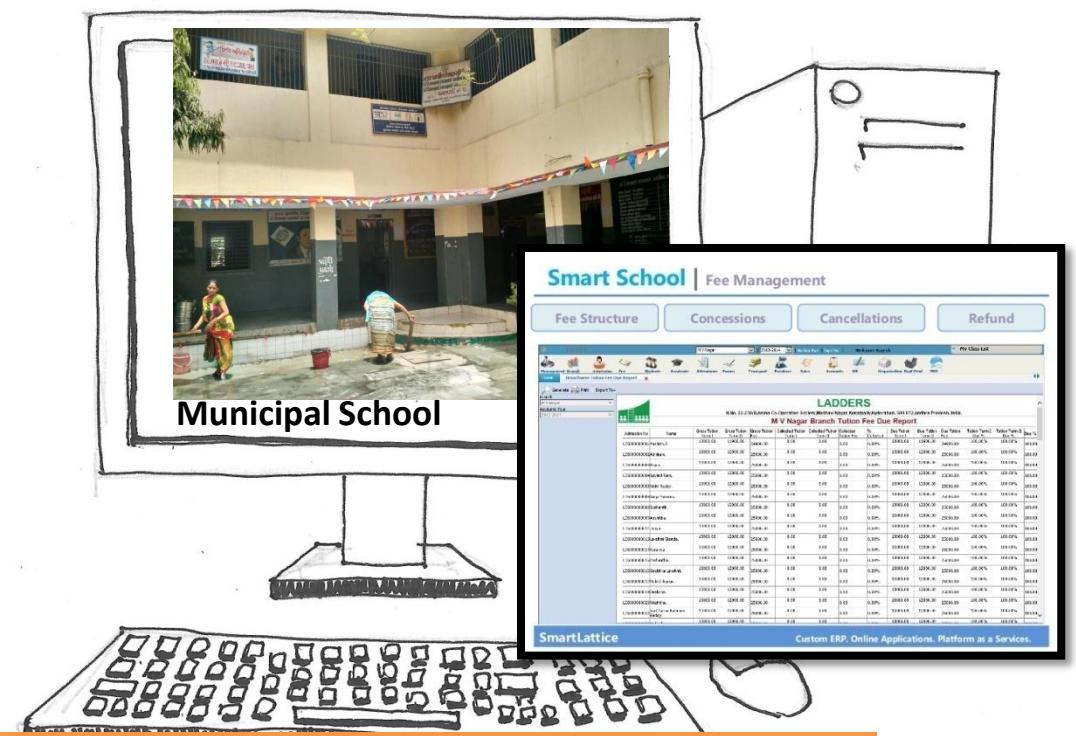
Route (Indicative) Major Roads

- 1 Sayaji Path
- 2 Alkapuri Road
- 3 Old Padra Road
- 4 Shankheshwar Parshwanath Road
- 5 University Road
- 6 Jetalpur Road
- 7 BPC Road

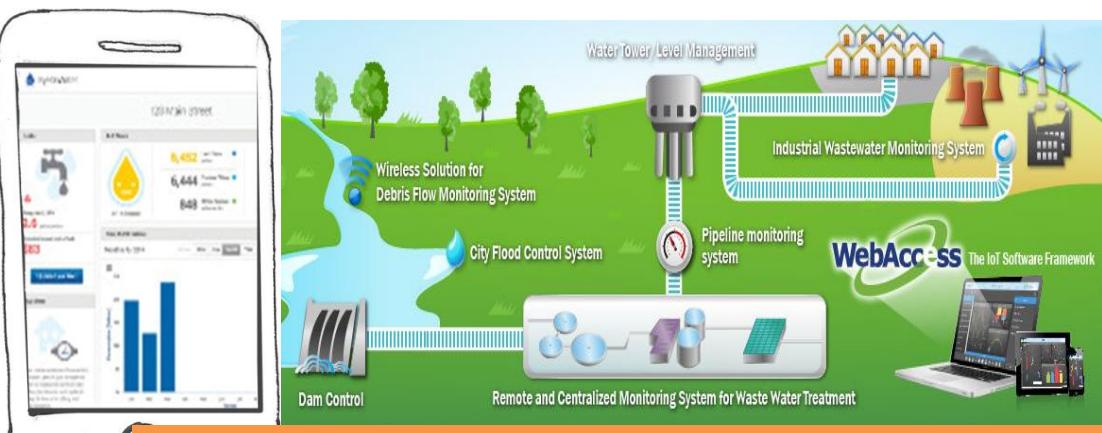
2.5 TRANSPARENT & RESPONSIVE GOVERNANCE



City Command Centre Wi-Fi, Multi Utility Duct



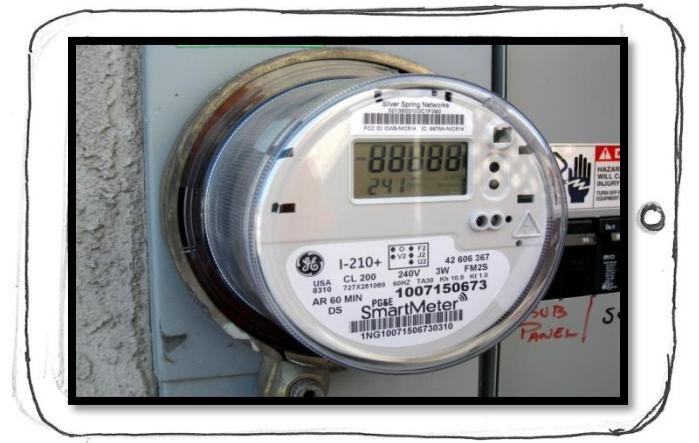
SMART SCHOOL MANAGEMENT



SMART WATER – SCADA, SMART WATER METERS



iPoles integrated with Command and Control Center



SMART ELECTRIC METER

2.5.1 Smart Water Meters

To increase the water efficiency of the city



Installation of 30000 **Smart Water Meter** at household level is an **Intelligent way** to monitor water distribution and reduce water losses. It is a **robust and resilient system** for the future, with **streamlined operation and management.**

98 %
Water Supply Coverage By Population

93%
Water Supply Coverage By Area



Smart Metering with water audit

FEATURES:

- 24 x 7 water supply, increased service level, improved system efficiency
- Minimizing Leakage in Water Distribution System
- In order to reduce NRW loses and also for water conservation installation of water meters in essential
- Conservation of Potable water
- Reduced NRW to 15%

Total users to be Covered = 30000 Smart Water meters

Total Project Cost = Rs. 40 crore

O & M Cost =Rs. 3.42 Crore

Completion Time = H1 FY 2019-20

Funding : Convergence & SCF



Water Distribution Network



140 Lpcd

Water Supply Coverage Area

373 mld

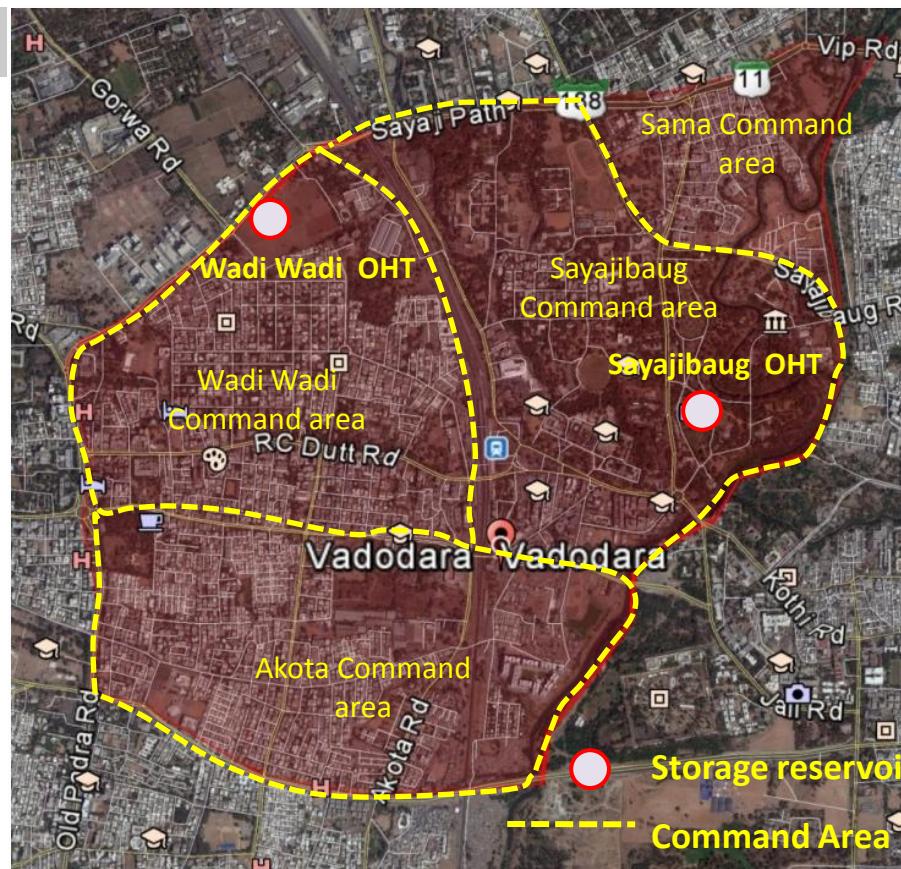
Water Source Available

1 hrs

Duration Of Supply

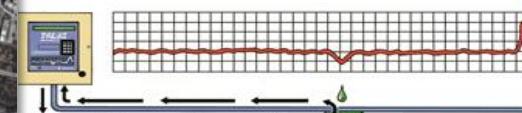
33%

Leakage And UFW



Area based proposals: District Metering Areas

Leak detection to reduce UFW in distribution water System



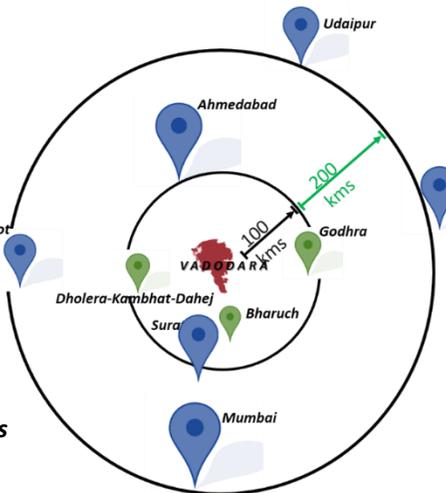
Leakage detection Program



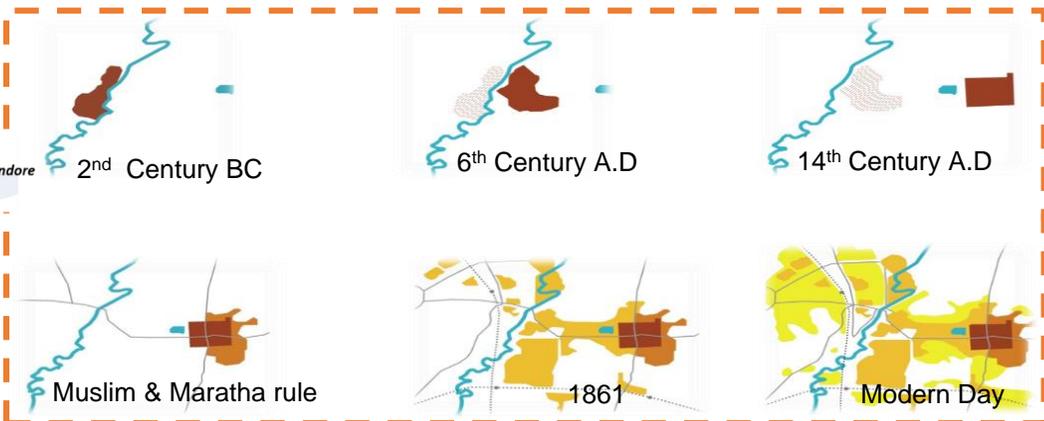
WATER FOR LIFE

Equitable water distribution in water supply scheme

1.1 CITY PROFILE



- Listed Smart Cities & Metropolitan areas
- Other DMICDC Cities, Transit nodes & Industrial towns



CITY EVOLUTION



DEMOGRAPHICS



VMC Area: 158.5 sq km
Third largest city of Gujarat
Cultural Capital of state



City Population : **1666703 (2011)**
Population Density : **104 person/hectare**
Population Growth : **14.38%**
Proportion of population to Gujarat : **6.89%**

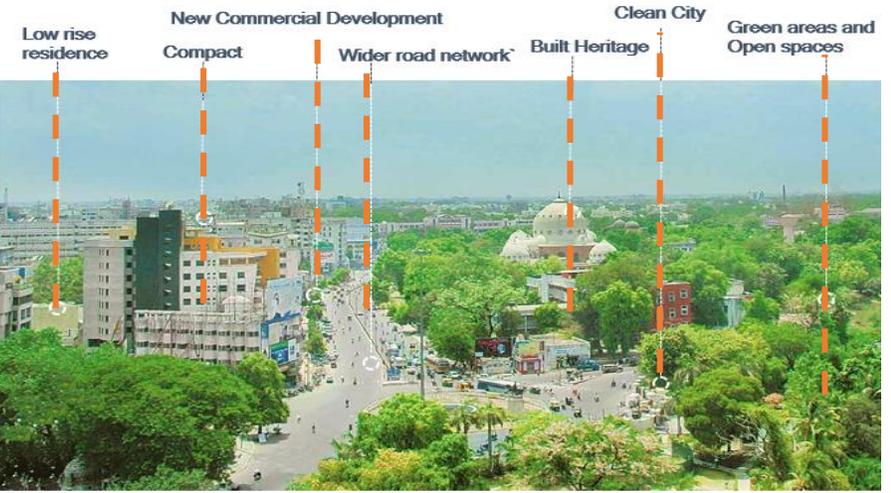


City Sex Ratio : **934** Child Sex Ratio : **897**
Females : **801,159** Males : **869,647**



Average Literacy Rate : **89.74%**
Female Literacy Rate : **85.85%**
Male Literacy Rate : **93.35%**

CITY IDENTITY

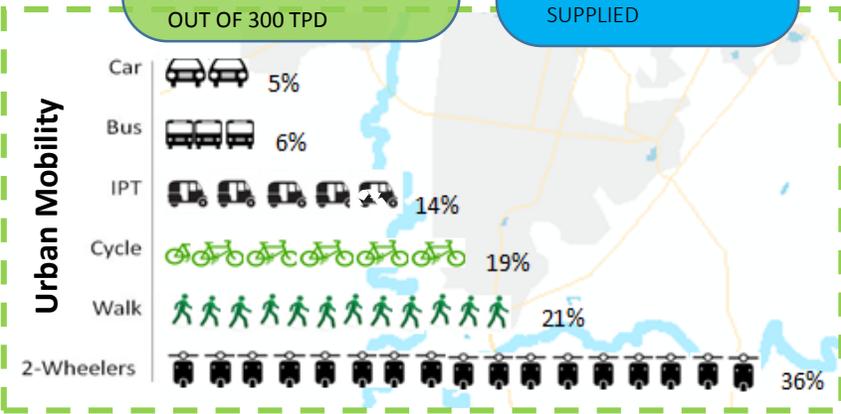


Solid Waste Management

- ✓ 1200 TPD WASTE GENERATION
- ✓ 25 HECTARE FOR SCIENTIFIC DISPOSAL
- ✓ GAS COMPOST GENERATED OUT OF 300 TPD

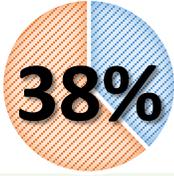
Water Supply

- ✓ 140LPCD WATER SUPPLY
- ✓ 98% HOUSEHOLD WATER CONNECTION
- ✓ 373 MLD WATER SUPPLIED



1.2 CITIZEN ENGAGEMENT

TOTAL CITIZEN PARTICIPATION



National Book Fair
Citizen Outreach –
430012



195276 survey
forms filled



353 responses
/suggestions



Happy Street
Citizen Outreach -
9989



222027 physical
forms received



2325 connections



876 SMS / 298
Letters / 110
emails



178 industry
experts and
vendors



1739 views for
Webinar



71 elected ward
representatives



110 resident field
experts



1472 followers

51%

Mass Citizen Activity Outreach

26%

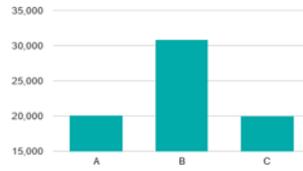
Offline

23%

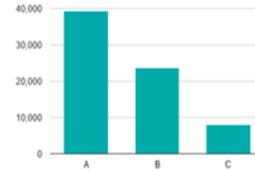
Online

■ Online ■ Offline ■ Mass Citizen Activity Outreach

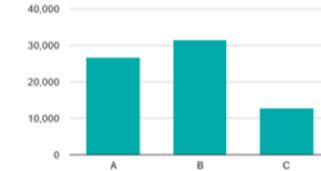
Affordable housing for poor
Survey: Vadodara - Smart City Mission



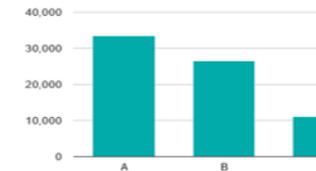
Assured Electricity Supply
Survey: Vadodara - Smart City Mission



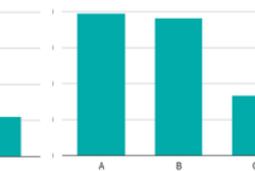
Drainage Facility
Survey: Vadodara - Smart City Mission



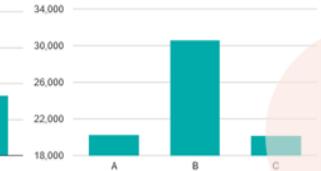
Education Sector
Survey: Vadodara - Smart City Mission



Health Services
Survey: Vadodara - Smart City Mission



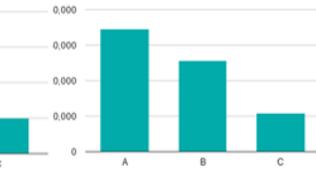
Municipal Administration(Complaint Management)
Survey: Vadodara - Smart City Mission



Water Supply
Survey: Vadodara - Smart City Mission



Safety & Security Citizens
Survey: Vadodara - Smart City Mission



SURVEY RESPONSES

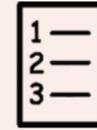
Legends

- A : Satisfied with the service
- B : Should be improved
- C : Needs immediate attention



Evaluate

Apprise the citizens of the initiatives proposed and incorporate the feedback received



Prioritize

Rank the inputs in order of effectiveness, implementation and financial feasibility with the help of industrial experts and elected representatives



Analyze

Probe into the gathered inputs and map it to the KPI's required for substantiating any strategy or intervention proposed



Aggregate

Gather inputs on various issues involving citizen experience with public administrative bodies and service delivery



Define

Specify the framework and parameters within which citizens are supposed to be engaged

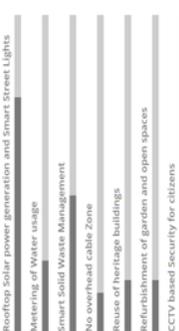
CITIZEN ENGAGEMENT STRATEGY

MyGov POLL RESULTS

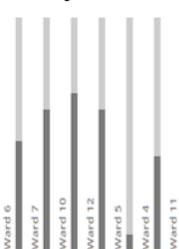
Preferred
Pan City
interventions



Preferred
ABD
interventions



Preferred
area for ABD



1.3 CONSULTATION ROADMAP



ROUND 1

- Gap Analysis of previous proposal
- Webinar by Commissioner, Deputy Commissioner & Mayor addressing the significance of smart city initiatives
- Polling on ABD area & pan city issues to be addressed

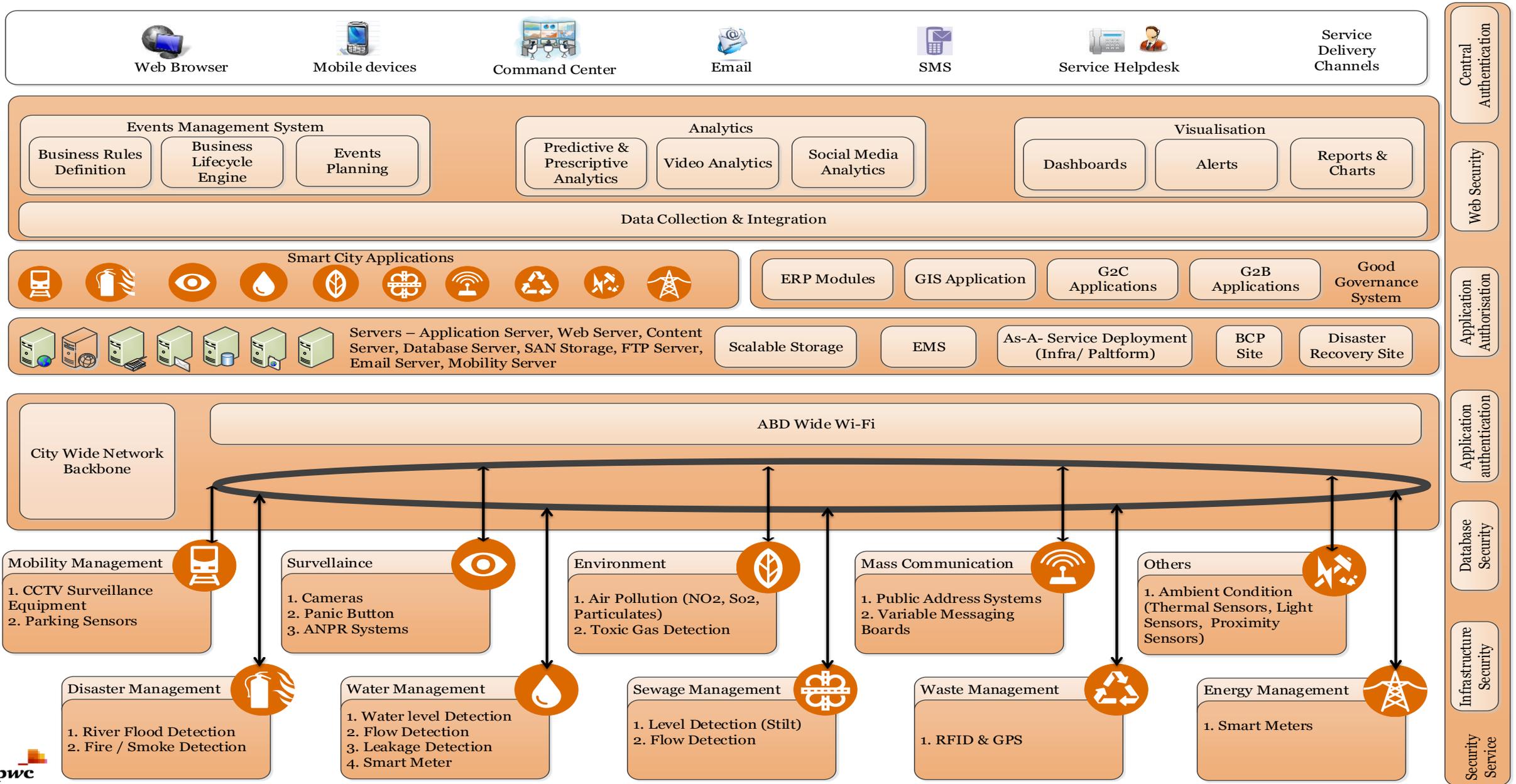
ROUND 2

- Leveraging National Book Fair, Happy Street event and mass citizen activities thus increasing citizen cognizance related to smart city features
- Engaging elected representatives, ex-mayors, CII and resident experts in envisaging the vision

ROUND 3

- Informing citizens about final initiatives proposed
- Final consultation with standing committee and public representatives to apprise them of financials and incorporating their feedback

3.1 PAN CITY ARCHITECTURE



3.2 ONE VADODARA MOBILE APPLICATION

Citizen Service Delivery

 Basic information dissemination

 Emergency contact details

 Complaints and Suggestions



Virtual Tour

 Virtual representation of city heritage through mobile application

 Online booking of cultural events and convention centers

 Travel and event planner with voice enabled assistance



Unified Multiplatform Mobile App with modes for:

- Service Delivery (Regular Citizens)
- SOS & Assistance (Senior Citizens)
- City Social Network (Regular Citizens – to promote good behaviour & participation)
- Virtual Tour (for tourists)



Maru Vadodara (Citizen's Social Network)

Recording a good deed done proactively



 Uploading on the app with selfie as an evidence



Earn badges/points which can be converted to perks or concessions



Vadodara Setu (Senior Citizen)

Prompt on click medical service



 Minimum reaction time of first responder in case of emergency



Regular interaction with VMC and public service bodies through online forums



3.3 COMMAND & CONTROL CENTER

CCTV Surveillance Data

**Public Health Data
referenced on GIS**

**Water, Waste Water
Network Data**

**STP and WTP
Performance Data**

**Buses AVLS and CCTV
Data**

Illustrative Vadodara City Video Wall

The video wall displays a grid of data feeds:

- Top row: Three CCTV surveillance feeds showing city streets, a busy market with a cow, and a public gathering.
- Middle row: Social Media Sentiment map with callouts for '141 talking about bus for women', '122 talking about support from cops', 'Send Police Vehicle (at 49 N, 77 01E) 124 talking about eye testing', and 'Send Engineer (at 49 N, 77 01E) 12 talking about street light out'. A GIS map of Vadodara with a 49% revenue bar chart and a temperature gauge. A CCTV feed from inside a bus.
- Bottom row: Performance charts (radar and funnel), a complex industrial process control interface, and a detailed water/wastewater treatment plant schematic.

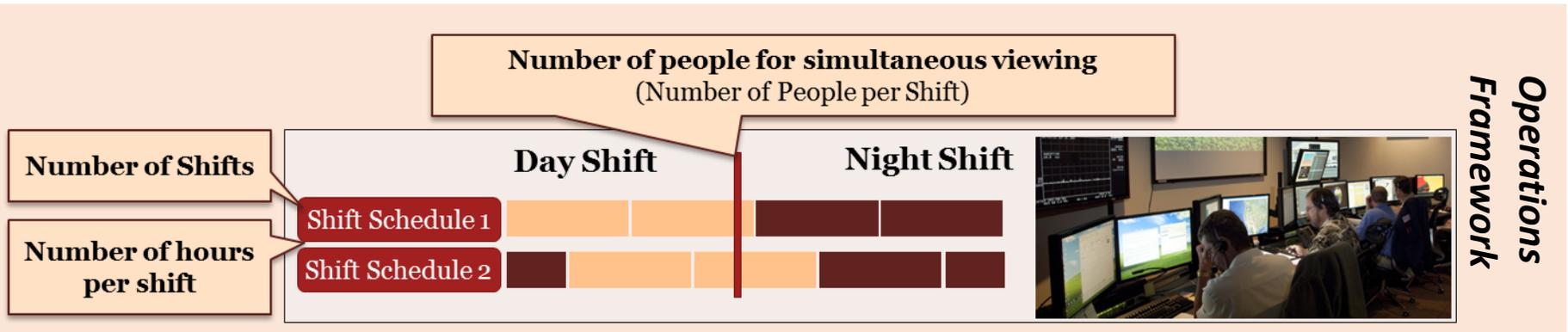
Social Network Data

**Enterprise
Management System
Data**

**Adaptive Traffic
System Data**

**Sensor Data
(Environmental
Sensors)**

**ERP & Operational
System Data**



Vadodara Municipal Corporation

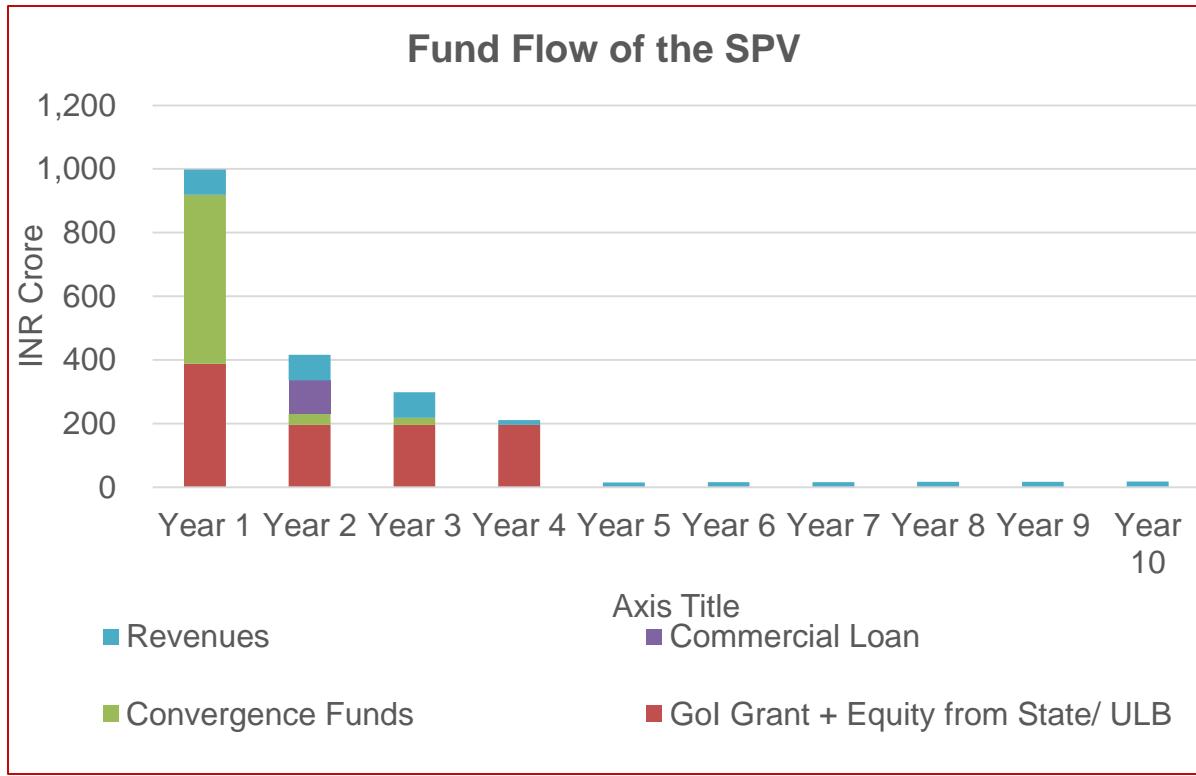
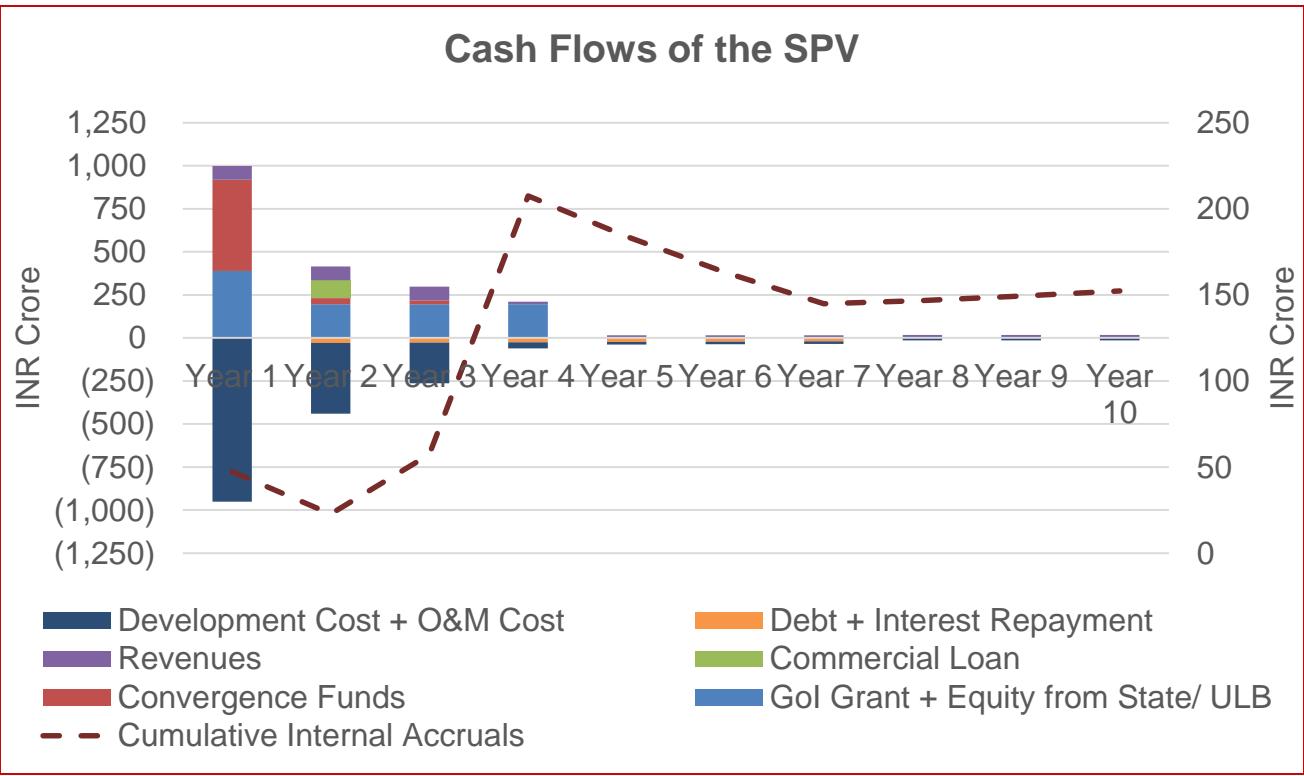
Police Department

Utility Providers (Power, Gas, Telcos)

Stakeholders

Financing Timeline

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Inflows										
GoI Grant + Equity from State/ ULB	388	196	196	196	0	0	0	0	0	0
Convergence Funds	531	35	21	0	0	0	0	0	0	0
Commercial Loan	0	105	0	0	0	0	0	0	0	0
Revenues	80	80	81	15	15	16	16	17	17	18
Outflows										
Debt + Interest Repayment	0	(30)	(28)	(26)	(24)	(22)	(20)	0	0	0
Development Cost + O&M Cost	(951)	(410)	(236)	(35)	(15)	(15)	(15)	(15)	(15)	(15)
Cumulative Internal Accruals	47	23	57	207	184	163	145	147	149	152



Sl. No.	ABD Projects	Year 1 ('16 - '17)		Year 2 ('17 - '18)		Year 3 ('18 - '19)		Year 4 ('19 - '20)		Year 5 ('20 - '21)		Year 5 ('20 - '21)	
		H2		H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
11	Multi-utility Duct	DPR and site survey		Tender and Vender onboarding	Site Survey and Phase 1 initiation		Project Completion						
12	Smart Streetlights	DPR and site survey		Tender and Vender onboarding	40 % smart street installation	Project Completion							
13	Rainwater harvesting and its policy for users				DPR and Tender	Onboarding of vendor	Retrofitting buildings with Rainwater harvesting infra						
14	Multiple Common Toilet Blocks	Survey and DPR		Vender selection	Construction of toilets and								
15	Library with Digital Facilities				Survey and DPR	Vender selection	Construction of Library building	Digital facility creation in library					
16	E Learning (digital inclusiveness) - Corporation School + Smart Night Classes for Adult & old age education					DPR and vendor selection	Creation of digital content	School infra upgrade	Launch of E-Learning centers				
17	Vocational training, artisan center and counselling	DPR and vendor selection		Creation of content	Upgradation of existing Infra	Launch of training and counselling center							
18	Vishwamitri Water Control (Additionalities to Vishwamitri Riverfront)	Survey and DPR		Vender selection	Barrage construction		Completion						
19	Walkway Development (Vishwamitri Riverfront Influence Area)	Survey and DPR		Vender selection	Walkway construction		Completion						
20	New Street Development (Vishwamitri Riverfront Influence Area)	Survey and DPR		Vender selection	New Street construction		Completion						
21	New Bridges (Vishwamitri Riverfront Influence Area)	Survey and DPR		Vender selection	Construction of New Bridges		Completion						
22	Refurbishment of Bridges(Vishwamitri Riverfront Influence Area)	Survey and DPR		Vender selection	Refurbishment of Bridge		Completion						

Sl. No.	ABD Projects	Year 1 ('16 - '17)		Year 2 ('17 - '18)		Year 3 ('18 - '19)		Year 4 ('19 - '20)		Year 5 ('20 - '21)		Year 5 ('20 - '21)	
		H2		H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
23	Sayaji Bagh Extension (Vishwamitri Riverfront Influence Area)	Survey and DPR		Vender selection	Sayaji Bagh Extension			Completion					
24	River Channel widening & construction of Gates behind Kamati bagh (Vishwamitri Riverfront Influence Area)	Survey and DPR		Vender selection	River Channel widening & construction of Gates			Completion					
25	Ecology Park	Ecogological Survey and Habitat Zone Identification		DPR, Environmental Clearances and Third Party Selection		Development of park facilities	Launch						
26	Slum free area - in situ with Yoga & Meditation Centre in the building	DPR and Tender		Plan for rehabilitation	In situ development of houses	Completion of Project							
27	Slum free area	Relocation of inhabitants											
28	Roof-top Solar Project	DPR and Tender		Vender selection	Implementation of Rooftop Solar								
29	Deep water recharging through RWH	Survey and tender		Vender selection and initiation of project	Creation of 40% recharging wells	Project Completion							
30	Smart Hawker Zone	site survey and Identification		Smart Hawker zone creation									
31	Smart Water Meter	site survey and Identification		Vender selection and initiation of project	Installation of 60 % smart water meters		Integration with remote monitoring system	Project completion					
32	I poles integrated with Command and Control Center	Survey and tender		Vender selection and implementation	Project completion								
33	Smart Electric Meter	DPR and Tender		Vender selection and initiation of project	Project completion								
34	Smart School Management System	DPR and vendor selection		Digital infrastructure assessment and installation	Project completion								

Sl. No.	ABD Projects	Year 1 ('16 - '17)		Year 2 ('17 - '18)		Year 3 ('18 - '19)		Year 4 ('19 - '20)		Year 5 ('20 - '21)		Year 5 ('20 - '21)	
		H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	
35	Multi-level Car Parking		DPR and Vendor Selection	40% development of facility	Project Go - Live								
36	NMT Infrastructure (Cycle Tracks, walkways, underpass, zebra crossing etc.)	site survey and Identification	DPR and vendor selection	Creation of NMT Infrastructure									
37	NMT - Public Bicycle Sharing						Tender and Vendor selection	Bicycle and accessories procurement	PBS Launch				
38	E Rickshaw on feeder route	DPR and vendor selection	Launch of E rickshaws										
39	Circular bus service route for School children	DPR including route identification and bus upgradation	Launch of bus service for School children										
40	Neighborhood waste management	site survey and Identification	Tender and Vender onboarding	Installation of waste compactors									
41	Retrofitting of Fire Station and Upgrading with high-tech facilities					site survey and Identification	DPR and Vendor Selection	Upgradation and ICT enablement of fire stations					
42	Wi-fi (50 Points)	site survey and Identification	Tender and Vender onboarding	Setup of Wi-Fi hotspots									
43	Development of City Square- Redevelopment of Area around railway station				Site Survey and DPR	Vendor selection and redevelopment plan finalization	Development of commercial hub and Parking zone creation				Project completion		

5.2 Implementation Plan - Pan City for Vadodara

	Year 1		Year 2				Year 3		Year 4			
		H2	H2	H1	H1	H2	H1	H1	H2	H2	H1	
One Vadodara Mobile Application 1) Good Citizen Service Delivery 2) Virtual Tour (S/w) 3) Event Planner for Two Town Hall Facilities 4) Vadodara Setu, Service Delivery app for Sr. Citizens 5) Basic and statutory information dissemination (with backend integration)			Float tender	Onboard vendor	Application development and testing		Application Go-live					
HMIS & Health Card			Hospital Survey	Float Tender	Vendor Selection	Development of HMIS / Creation of health profile and integrating with citizen biometrics	Pilot launch (10.8 lakhs citizen)					
Smart Water 1) SCADA for STP (8 Nos.) 2) Bulk Water Meter (161 Nos.)			Survey of trunk distribution lines	Float tender for SCADA implementation and bulk meter procurement	Vendor Selection	Development of SCADA system and bulk metering across distribution lines	70% Implementation of SCADA and bulk metering		30% Implementation of SCADA and bulk metering			
IOC and Command & Control Center (CCC) 1) Information and Advertising Display Board 2) CCTV and OFC 3) ITMS 4) 24x7 dedicated control room with Quick Response Team	Float tender	Onboard vendor	Conduct Survey	Command and Control Center Setup	Video Wall Setup	100% cameras installed 30% Automatic traffic management System to be installed	Aligning Quick response team and testing of video wall Remaining 70% ATMS installation	project Go live	Operation and Maintenance			
GIS (On Surface and Underground)	As-is study	RFP	Vendor Onboarding	Requirement gathering and SRS preparation	Development and customization		User Acceptance Testing		Pilot launch			Project Go-live
ERP for Vadodara Municipal Corporation	RFP	Vendor Onboarding	Requirement gathering and SRS preparation	Development and customization	User Acceptance Testing	Pilot launch	Project Go-live					
Urban Mobility 1) Augmenting New Buses with Smart components (120 Nos.)	Float tender	Onboard private player for PPP	Procure CNG buses under VMC budget	Augmenting new buses with WiFi, GPS and vehicle location system			Operation and Maintenance					
Urban Mobility 1) Public Information System (120 Bus Stops) 2) Smart Bus Terminus (2 Nos.)			DPR preparation and tendering	vendor Onboarding	Phase 1: 60 bus stops to be refurbished and 1 bus terminal to be constructed		Phase 2: 60 bus stops to be refurbished and 1 bus terminal to be constructed		Operation and Maintenance			

5.1. SPV ORGANOGRAM

CITY LEVEL ADVISORY SMART CITY FORUM– MPs, MLAs, MLCs, Mayor, Youth, RWA, NGO's, Chamber of Commerce, CII

- Provide guidance on governance and public policy
- Provide support in project implementation
- Communicate needs of citizens to the SPV

Hand holding agencies, multilateral and bilateral organizations

- Provide loans and grants
- Provide technical support
- Potential stakeholders in the SPV

Strategic and project management experts

Support planning and execution of Smart city projects

Board of Directors	
Elected Representative	Municipal Commissioner
Representative of Central Government	Eminent citizens appointed for policy making
Representative of State Government	Commissioner of Police
Collector	Vice chancellor of MSU
CEO of VUDA	CEO of SPV

State Government Authorities and Agencies

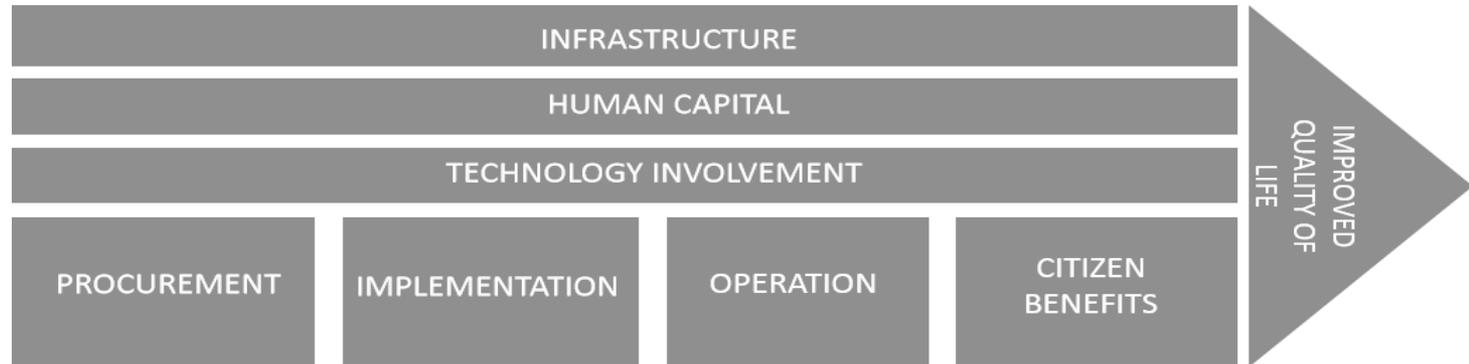
- Facilitate coordination with state, center and other government bodies
- Provide guidance on governance and public policy
- Provide support in project implementation
- GUDM to facilitate co-ordination between VMC and VUDA areas

PPP Partners

- Project execution and revenue sharing with the SPV



SPV FUNCTIONS ACCORDING TO PORTER'S VALUE CHAIN





Gujarat Urban Development Mission

Block No:1, Karmayogi Bhavan, Sector-10-A, Gandhinagar- 382010. Tele. No.(079) 23257575/6/7, Fax No. (079) 23257582,

Website: www.gudm.org, E-mail: info@gudm.org

GUDM/Smart Cities/1070

29 JUN 2016

Minutes of 3rd meeting of " State Level High Powered Steering Committee (HPSC)" under Smart Cities Mission held on 29th June,2016

The 3rd meeting of HPSC was held on 29/06/2016 under the Chairmanship of the Chief Secretary, Govt. of Gujarat.

Agenda of the HPSC meeting was to review the progress of Selected Cities and approve the Smart City Proposals of remaining four cities to the MoUD, Govt of India under Smart City Mission. Detailed agenda of the meeting was as per attached Annexure No.1 and the members attended the meeting are as per Annexure No.2

At the outset Principal Secretary, Urban Development & Urban Housing Department welcomed all the members of the HPSC and briefed about progress of selected 2 Smart Cities and SCPs of remaining 4 cities for round 2 of "City Challenge". Thereafter, with the kind permission of the Chair, agenda items were taken.

Agenda Item 1: Reading of the minutes of the Second HPSC meeting held on 14th Dec, 2015

Mission Director, Smart Cities and Addl. Chief Executive Officer, GUDM, Gujarat read the minutes of the meeting of the second HPSC meeting held on 14th Dec, 2015 and SHPSC confirmed the same.

Agenda Item 2: Review of progress of selected Smart Cities

Surat and Ahmedabad were selected in the first round of City Challenge. Mission Director informed that the SPVs are formed for both these cities. Funds are also released including state share. Pan City and Area Based Development projects are taken up for implementation.

Agenda Item 3: Review of Smart City Proposals (SCPs) submitted by Four Smart Cities and approval for the submission to MoUD, GoI for Round 2 of City Challenge.

Govt. of India has shortlisted six cities of Gujarat for Smart Cities Mission. (Ahmedabad, Surat, Rajkot, Vadodara, Gandhinagar & Dahod). In the First Round of the City Challenge of Smart City Ahmedabad & Surat were selected among 20 cities announced by MoUD. Surat & Ahmedabad ranked 4th & 6th

respectively. Remaining potential smart cities have prepared their proposals for participation in the 'City Challenge round-2'. This is a crucial stage as each city's Smart City Proposal (SCP) is expected to contain the model chosen. All these SCPs were outlined and prepared with extensive consultations held with the city residents and other stakeholders. Cities have selected consulting firms for preparation of SCPs. All shortlisted cities have prepared and submitted SCPs to Mission Directorate. SCPs for Round-2 are prepared as per template provided by MoUD, Govt of India.

The Principal Secretary, Urban Development and Urban Housing Department, Govt of Gujarat has briefed members about SCP proposals and asked the Mission Director (Smart Cities) to make presentation before the HPSC committee. The brief of all potential Smart City proposals are as under:

Vadodara

1. Vision: "Conserve and enhance Vadodara's rich culture and heritage through its sensitive transformation into a vibrant city that fosters equitable and sustainable development that offers world-class quality of life to all its citizens".
2. Area Based Development Proposal:
 - a. Smart ABD Twin Strategy- Retrofitting having Redevelopment (1698 acres)- 1643 acres of retrofitting + 55 acre Redevelopment near Railway station
 - b. Area Key Features of ABD –
 - i. Viswamitri River on East side
 - ii. M S University
 - iii. Railway Station
 - iv. Central Bus Station
 - v. City Bus Depot
 - vi. Sayaji Baug(Kamati Baug)
 - vii. Town Hall
 - c. Key Statistics–
 - i. Population – 67637 (3.7% of City population)
 - ii. Household - 23170
 - d. Projects: Development of City Square, Revamping of heritage structure and parks, Additionality to Vishwamitri Riverfront, smart solution for water supply, sewerage, solid waste, water recharging, renewable energy, street light NMT facilities, Slum free area, Library, E learning centres, Vocational centres, safe city
3. PAN city Development Proposal:
 - a. Projects: Integrated Operation Centre & Command and Control Centre, Smart Bus Terminus with smart public transport, Vadodara Mobile Application, City Wifi, HMIS and Health Card, GIS (On Surface and Underground) and ERP

4. Financial Plan

Investment Plan

- Area based proposal: Rs. 1676.56 Cr
- Pan city: Rs. 332.80 Cr
- Total: Rs. 2009.36 Cr

Funding sources:

- Smart city mission (GoI): Rs. 488 Cr
- Smart city mission (GoG): Rs. 488 Cr
- Convergence with GoI schemes: Rs. 587.17 Cr
- PPP: Rs. 793 Cr
- Revenue: Rs. 353.43 Cr
- Total: Rs. 2709.6 Cr

Rajkot

1. Vision: "To transform Rajkot into a Sustainable, Modern, Affordable, Resilient and Technology-driven (SMART) city where all its citizens get an enabling environment to fulfill their dreams and aspirations by provision of quality infrastructure and efficient service delivery; a city where citizens actively collaborate with government to improve their lives and the future of the city".

2. Area based Proposal (ABD):

Development of Greenfield area i.e. New Race Course.

- The site is located in the North West part of the City abutting Raiya road with an area of 532 acres.
- The development is proposed around three existing lakes in conjunction with the city's growth direction (West)

Features:

1. Inclusive modern compact mixed-use residential neighbourhood housing around 1 lakh population.
2. Strengthen the city's image as a regional level recreation and tourism gateway through integrated blue-green network
3. Reinforcing the city's image as economic powerhouse of Saurashtra
4. Create a replicable model for Urban-Low Energy Development Strategy under UNEP
 - a. Model for Water security in arid Saurashtra belt by conjunctive use of water
 - b. Create a replicable model for Digital Energy systems
5. The ABD will facilitate rejuvenation of the central city area by freeing up 102 acres of lung space / recreational space, and decongesting the central city by creating triggers for shifting of congested wholesale market spaces and slum population.

3. Pan City Smart Solution:

1. Integrated public transportation system and Non-Motorised Transport (NMT)

2. Intelligent water management with Smart bulk meters with DMA isolation and remote meter reading, Integrated SCADA systems
4. Financial Plan :

Investment Plan

- Area based proposal: Rs. 2020 Cr
- Pan city: Rs. 380 Cr
- Total: Rs. 2400 Cr

Funding sources:

- Smart city mission (GoI): Rs. 500 Cr
- Smart city mission (GoG): Rs. 250 Cr
- RMC own funds/land monetization: Rs. 639 Cr
- Convergence with GoI schemes: Rs. 496 Cr
- PPP: Rs. 515 Cr
- Total: Rs. 2400 Cr

Gandhinagar

1. Vision: "Gandhinagar, a future ready city with enhanced infrastructure and environmentally sustainable practices which offers the best quality of life to its citizens"

2. Area based development (ABD) proposal:

Retrofitting of 1335 Acres in Sectors 07, 11, 17, 22, 21, and redevelopment of Sector 7 (82 Acres) and also covering railway station, Central Vista and Akshardham Temple, to make it future ready in terms of basic infrastructure, citizen friendly by upgrading open spaces, water booths, community toilets, shaded areas etc., last mile connectivity and last but not the least making most of the initiatives sustainable in terms of energy usage and other natural resources.

3. Pan city proposal

- Command and Control Centre for managing smart buses, digital display boards, RFID based solid waste management and CCTV cameras
- Citizen centric projects, which include G-One Common Payment Card, Online services through eNagar, Integrated Mobile App platform, Way-finding sign boards and mobile app for city navigation and city-wide Wi-Fi
- Smart Civic Management by implementing ERP for municipal functions, GIS for improved asset management and decision making, Water quality meters, smart meters and SCADA for water network and SCADA for WTP and STP
- Innovative projects: Industrial design innovation cell in association with NID; Incubating smart solutions through startup ecosystem, in association with IIT-G/DAIICT ; and Citizen Participation for green cover growth by online tree adoption & tracking

4. Financial Plan:

Investment Plan

- Area based proposal: Rs. 1849 Cr

- Pan city: Rs. 264 Cr
- Total: Rs. 2113 Cr

Funding sources:

- Smart city mission (GoI): Rs. 488 Cr
- Smart city mission (GoG): Rs. 488 Cr
- Convergence with GoI schemes: Rs. 162 Cr
- PPP: Rs. 307 Cr
- Revenue: Rs. 1110 Cr
- Total: Rs. 2555 Cr

Dahod

1. Vision: "Improve the quality of life of the citizens, empowering the youths and tribes through skill development and generating employment through transit hub as well as agro based industries".

2. Area based development (ABD) proposal:

Retrofitting area which includes locations such as TP Scheme, APMC, Bus Stand, Chab Talav (Lake) and banks of river Dudhimati. In the area of over 860 acres, the following initiatives are planned: Development of Transit Hub, Development of APMC market, Community Market, Smart Water Supply System, Sewer Network & Sewerage Treatment Plant, Solid waste management including waste to energy, underground utility, road widening, foot path and cycle track, roof top solar, rainwater harvesting, over-bridge on Dudhimati and railway over bridge, slum rehabilitation, tribal museum, green space and garden development, sports complex and amusement park.

3. Pan city proposal:

The pan city proposal which impacts entire city of Dahod includes initiatives such as Digital Literacy and Skill Development, 24x7 CCTV Surveillance via Central Command Centre, Replacement of normal street lights with LED lights and installation of more smart street light poles across the city to have least possible dark pockets, Smart parking solution, Adaptive Traffic Management System to handle unpredictable peaks in traffic in the city, Optical Fibre Connectivity throughout the city to make internet connections easily available and attain digital parity, Citizen Lifecycle Management System and Healthcare management System.

4. Financial Plan:

Investment Plan

- Area based proposal: Rs. 890.41 Cr
- Pan city: Rs. 251.49 Cr
- Total: Rs. 1141.9 Cr

Funding sources:

- Smart city mission (GoI): Rs. 488 Cr
- Smart city mission (GoG): Rs. 488 Cr
- Convergence with GoI schemes: Rs. 78.8 Cr
- PPP: Rs. 4.00 Cr
- Revenue : Rs. 289.90 Cr
- Total: Rs. 1348.70 Cr

Agenda Item 4: From the Chair:

No additional item suggested by the Chair.

3rd HSPC meeting has concluded by the PS, UD & UHD with thanks giving to the chair, members and invitees.

The SCP of Four cities were reviewed by the Committee and approved to be sent to the MoUD, Govt of India to participate City Challenge Competition round-2 with following observations.

- Latest norms should be followed for River Front Development projects proposed for Vadodara and Rajkot.
- For Dahod SCP a Trading Hub to be included to boost economic activity of Dahod City.

Minutes of Meeting for 3rd HSPC have been approved by the Chief Secretary, Govt of Gujarat.



(Dr. S. Murali Krishna)
Mission Director, Smart City Mission
& Member Secretary HPSC



VADODARA MUNICIPAL CORPORATION

Copy of the Resolution of General Board meeting of Vadodara Municipal Corporation held on dated 14-06-2016 at 5:45 PM under the Chairmanship of Mr. Bharatkumar Dhirubhai Dangar

Details	Proposal & Modification		Vote		Order		S.No. & Date of Subject on which order is done		Remarks
	Name: (1) Proposed By (2) Approved By	Details of Proposal & Modification if any	Favoured by	Opposed by	S.No. & Date	Result	Previous Order	Further order if any	
Subject No. 2 The proposal of the Municipal Commissioner authorising the delagation of the powers for the preparation of the Smart City Proposal (SCP), and formation of Special Purpose Vehicle (SPV), and other related works in this regard to the Municipal Commissioner by coordinating with consultant in second round of smart city competition to include Vadodara city under Smart city mission of Govt. of India.	Shri Jaymin J. Amin Shri Kalpesh M. Patel	Read the Proposal and discussed. To include Vadodara City under the Smart City Mission of the Central Government, General Board unanimously delegates the power to the Municipal Commissioner to form Special Purpose Vehicle (SPV) and to do necessary work and also approves the Smart City Proposal (SCP).	46	-	43 14-06-2016	Approved by majority			

TRUE COPY

(CHINTAN DESAI)
Municipal Secretary
Vadodara Municipal Corporation

2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.

3. NON-EXCLUSIVITY - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. TERMS AND TERMINATION - This MOU, unless extended by mutual written agreement of the parties, shall expire 5(five) years after the effective date specified in the opening paragraph. This MOU may be amended, extended or terminated by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

5. RELATIONSHIP - Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

SIGNED IN DUPLICATE - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part
Signature

Name:
Title:
Date:

Witness

1.
2.

For and on behalf of Second Part
Signature

Name:
Title:
Date:

Witness

1.
2.



Dr. Minoo R. Patel
M.S., F.I.C.S., F.I.A.M.S.
DEAN

**GMERS, Medical College & Hospital,
Gotri, VADODARA.**



Smart City
MISSION | TRANSFORMATION

MEMORANDUM OF UNDERSTANDING

(Industry Association as Co-partner for Vadodara Smart City Project)

This Memorandum of Understanding is entered on Friday, 20 May 2016 at Hotel Taj, Vadodara during "VMC Interaction with Industries Association for Vadodara Smart City Project

Between

BARODA MANAGEMENT ASSOCIATION (BMA) having its office at Vadodara – Gujarat

And

Vadodara Municipal Corporation (VMC)
Government of Gujarat (GoG)

BMA and VMC wishes to initiate consultation on "Vadodara as a smart city" where BMA and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non – financial in nature

Sr. No.	Project	Location/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Pan Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and BMA is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

BMA will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

(AUTHORISED SIGNATORY)

For and on behalf of **Baroda Management Association**

(AUTHORISED SIGNATORY)

Name : **Mr H S Patel, IAS**
Designation : Municipal Commissioner
Contact no : 0265-2433344
E mail : commissioner@vmc.gov.in
Address : CE&T
VMC, Khanderao Market
Vadodara - 390001
Department : Vadodara Municipal Corporation

Name : **Ms. AMITA JASPAL**
Designation : CEO, BMA
Contact no : 9429899359
E mail : ceo@bmabaroda.com
Address : BARODA MANAGEMENT
ASSOCIATION
2nd Floor, Anmol Plaza,
Opp. McDonalds, Nr. Manisha Circle,
Old Padra Road, Vadodara- 390015.



MEMORANDUM OF UNDERSTANDING

(Industry Association as Co-partner for Vadodara Smart City Project)

This Memorandum of Understanding is entered on Friday, 20 May 2016 at Hotel Taj, Vadodara during "VMC Interaction with Industries Association for Vadodara Smart City Project"

Between
BARODA IT ASSOCIATION (BITA) having its office at Vadodara – Gujarat

And
Vadodara Municipal Corporation (VMC)
Government of Gujarat (GoG)

BITA (BARODA IT ASSOCIATION) and VMC wishes to initiate consultation on "Vadodara as a smart city" where BITA and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non – financial in nature

Sr. No.	Project	Location/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Pan Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and BITA is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

BITA will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

(AUTHORISED SIGNATORY)

For and on behalf Of
BARODA IT ASSOCIATION

(AUTHORISED SIGNATORY)

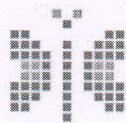
Name : **Mr H S Patel, IAS**
Designation : Municipal Commissioner
Contact no : 0265-2433344
E mail : commissioner@vmc.gov.in
Address : CE&T
VMC, Khanderao Market
Vadodara - 390001
Department : Vadodara Municipal Corporation

Name : **MR.VIPULBHAVSAR**
Designation : SECRETARY BITA
Contact no : 09898043440
E mail : admin@bitaindia.org
Address : #4 Swastik Appart.
72 Viswas Colony
Alakapuri
Vadodara-390 007.

**MEMORANDUM OF UNDERSTANDING BETWEEN
CONFEDERATION OF INDIAN INDUSTRY (CII)
AND
VADODARA MUNICIPAL CORPORATION (VMC)**



Confederation of Indian Industry



Smart City
MISSION TRANSFORMATION



20th May 2016



Confederation of Indian Industry



**MEMORANDUM OF UNDERSTANDING BETWEEN CONFEDERATION OF
INDIAN INDUSTRY (CII) AND VADODARA MUNICIPAL CORPORATION
(VMC), VADODARA**

This Memorandum of Understanding (MOU) is made in Vadodara, India on 20th day of May, 2016 between the undersigned:

CONFEDERATION OF INDIAN INDUSTRY (CII), having its headquarter at The Mantosh Sondhi Centre 23, Institutional Area, Lodi Road, New Delhi ("CII", which expression will include its successors and permitted assigns, unless repugnant to the context or meaning), acting through its **Executive Officer and Head, CII Central Gujarat, Mr Parthesh Vyas** of the first part

And

Vadodara Municipal Corporation (hereinafter referred to as "VMC" which expression will include its successors and permitted assigns, unless repugnant to the context or meaning) acting through its Commissioner **Mr H S Patel, IAS** of the second part

CII and VMC are hereinafter individually referred to as "Party" and collectively as "Parties", as the context may require.

Whereas,

1. The Government of India has envisaged "Smart Cities Mission" considering the need for an all-round, socio economic development of the country. The initiative intends to develop 100 cities and towns in the country as smart cities and is expected to generate a large number of opportunities for the industry in terms of deploying state



Confederation of Indian Industry



of the art technologies, provision of value added and sustainable services, and, investment opportunities.

2. The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government, and civil society, through advisory and consultative processes.
3. CII is a non-government, not-for-profit, industry-led and industry-managed organization, playing a proactive role in India's development process. Founded in 1895, India's premier business association has over 8000 members, from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 200,000 enterprises from around 240 national and regional sectoral industry bodies.
4. CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.
5. Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, healthcare, education, livelihood, diversity management, skill development, empowerment of women, and water, to name a few.
6. The CII theme for 2016-17, **Building National Competitiveness**, emphasizes Industry's role in partnering Government to accelerate competitiveness across sectors, with sustained global competitiveness as the goal. The focus is on six key enablers: Human Development; Corporate Integrity and Good Citizenship; Ease of Doing



Confederation of Indian Industry



Business; Innovation and Technical Capability; Sustainability; and Integration with the World.

7. With 66 offices, including 9 Centres of Excellence, in India, and 9 overseas offices in Australia, Bahrain, China, Egypt, France, Germany, Singapore, UK, and USA, as well as institutional partnerships with 320 counterpart organizations in 106 countries, CII serves as a reference point for Indian industry and the international business community.

8. CII has constituted a committee on Smart Cities to undertake the following:

(i) Policy Advisory: recommend changes to the existing policy framework required to enable development of Vadodara as a “smart city”,

(ii) Pilot Projects: identification of pilot projects/ showcase projects/ developmental projects to enable the creation of the necessary infrastructure including any

Upgradation and renovation of existing facilities so as to provide smart city capabilities and services to the residents of the city of Vadodara;

(iii) Project Advisory and Implementation: to advise on all aspects of implementation of identified projects (hereinafter collectively referred to as “**Scope of Services**”) as an initiative to enable the implementation of the “smart city” initiative of the Government of India.

9. The city of Vadodara, which spreads across an approx area of 160 Sq.kms (most likely), is the third largest city in Gujarat with a population of 13,06,000 (as per 2011 census). Vadodara is gradually emerging as a prominent investment and residential destination in Gujarat.



Confederation of Indian Industry



10. However, the city of Vadodara is facing the following urban challenges. Some of them are:

- Management of daily generated 1250 Tonnes of Waste
- Improvement of traffic management in the city.
- Need of additional buses as per the norms to cater to the growing populations of the city
- Development of road infrastructure to meet ideal road density as per norms.
- Improvement in management of distribution of water supply, especially in the fringe areas of the city.
- Management of land & assets for infrastructure development to cater to financial requirements for improving infrastructure.
- Development of river fronts and lakes
- Absence of Mass Transit System
- Last mile IT connectivity and digitalization
- Improvement of Quality of Education

11. CII is desirous of associating and collaborating with the VMC to provide support in meeting its urban challenges, some of which are illustrated above, and developing Vadodara as a smart city through mobilization of the industry expertise and resources.

NOW THEREFORE, in consideration of the mutual promises and covenants contained herein, the Parties agree as follows:

1. Purpose:

The Parties are entering into this MOU to record the terms and conditions on which CII will provide the Scope of Services to the VMC for the development of Vadodara as a “Smart City”.



2. Responsibilities:

2.1 CII's Responsibilities

CII hereby agrees that it will undertake, either itself or through one or more of the committee members, reasonable endeavours to provide the Scope of Services in accordance with and to the extent requested by VMC with the objective of developing Vadodara as a “smart city”, which will also include the following:

- i. CII will jointly work with VMC and all other stakeholders such as industry experts, civil society and other stakeholders to develop vision, goals & strategies for Vadodara as a Smart City and thereafter support implementation of the same in Vadodara.
- ii. CII, through its committee members, will work in collaboration with VMC in sectors illustrated in para-5 above and in areas like:
 - a) **Think tank and Leadership participation from Industry in Consultative Stakeholder participation for creation of Smart City**
 - b) **Inclusion of Citizen Groups like Young Indians and Corporate Members and Non Members in participating in this movement**
 - c) **Suggesting Financial plans for various sectors & creation of innovative sources of the Municipal Finance**
 - d) **Inviting Stakeholders (Indian and Multinational Service providers) once the terms of reference are clear to define Scope of work**
 - e) **Facilitation of overall Project and realisation including Stakeholder Surveys on Satisfaction Index and engagement with the Steering Committee on the same**
 - f) **Associate with media partners and communicate the success of the Smart City movement**
 - g) **Facilitate partnerships for VMC with other various Industry Associations**



h) Project based support for projects in areas like:

1. Transport
2. Solid Waste Management
3. Water Supply
4. Housing
5. Sewerage
6. Health
7. Education
8. Storm Water Drainage

i) Capacity building to plan, design and execute projects efficiently

j) Workshop to identify the challenges and solutions

- iii. CII in association with VMC will mobilize the private and public sector industry expertise to share the smart city vision of Vadodara through campaigning and national/international conferences, thereby promoting Vadodara as a smart city.
- iv. CII in association with VMC will align the interest of industry members with those of the government and also will provide technology support to the Vadodara Smart City project through the CII smart city committee.
- v. CII will assist the VMC through required consultation and advisory inputs on policy advocacy relevant to the development of Vadodara under the smart cities initiative.
- vi. CII will also assist the VMC through the process of “City Challenge” competition and thereby support the city to get designated as a smart city.

2.2 VMC’s Responsibilities

- i. VMC will appoint a nodal officer who will be the contact point for the interaction with the VMC and will also be responsible for the smart city initiative.



Confederation of Indian Industry



- ii. VMC will allow CII to conduct smart city workshops/ Conferences/ Conclaves as and when required to promote Vadodara as an Investment destination.
- iii. The nodal officer and the consultants appointed by the VMC will work closely with CII to drive the smart city initiative for Vadodara.
- iv. VMC will provide adequate branding opportunity to CII as “Industry Partner”

3. Terms and Termination

Both the Parties may terminate this MoU at any time by notice with immediate effect if it reasonably believes that its performance, or any aspect of it, results, or might breach any legal, regulatory, ethical or audit independence requirement in the jurisdiction, or any other reason.

4. Other Terms:

4.1 Sharing of Information

As may be appropriate from time to time, each Party may share information with the other on a regular basis regarding the arrangement under this MoU. Both the parties will be solely and entirely responsible for any third party information or materials, that they will share with each other, with regards to its requisite rights, authorizations or agreements, in place, enabling accessibility and usage of such information.

4.2 Confidentiality

The Parties agree and acknowledge that sensitive information and confidential data will be exchanged between the Parties pursuant to this MoU. Such data will be marked confidential ("Confidential Information"). Each Party agrees that it will maintain confidentiality of the Confidential Information disclosed to it by the other Party under this MoU and will ensure that this clause is strictly adhered to by its officers, employees, agents, consultants and representatives. In case of expiry or



Confederation of Indian Industry



termination of this MoU, each party will promptly return all confidential information, to the disclosing Party upon request after expiry/ termination of this MoU.

4.3 Expense

Unless otherwise specifically agreed to in writing by the Parties for implementing the Scope of Services, each Party will bear the respective costs of carrying out the obligations under this MOU.

4.4 Counterparts

The Memorandum of Understanding (MOU) may be signed in any number of counterparts, all of which taken together will constitute one and the same instrument. CII and VMC may enter into the Memorandum of Understanding (MOU) by signing any such counterpart and each counterpart may be signed, executed and transmitted by facsimile transmission and will be as valid and effectual as if executed as an original.

4.5 Entire Agreement

This MoU contains the entire understanding between the Parties hereto and supersedes all prior arrangements, understandings and agreements, written or oral, on the subject hereof. Any part of this MoU which is not enforceable due to any reason whatsoever will be deemed to be inoperative and the rest of the MoU will continue to be valid.

4.6 Representation

Each Party hereby represents to the other that it has all necessary power and authority to execute and deliver this MoU.



Confederation of Indian Industry



4.7 Cooperation

CII and VMC acknowledge that they have entered into the Memorandum of Understanding (MoU) in good faith and will cooperate in good faith to achieve the objectives set herein.

In witness whereof, the undersigned Parties have executed this MoU as of the date indicated above:

On Behalf of

Confederation of Indian Industry (CII)

By:

Name: Parthesh Vyas

Title: Executive Officer and Head

CII Vadodara

Date: 20th may 2016

On Behalf of

Vadodara Municipal Corporation (VMC)

By:

Name: H S Patel, IAS

Title: Municipal Commissioner,
Vadodara Municipal Corporation

Date: 20th may 2016



MEMORANDUM OF UNDERSTANDING

(Industry Association as Co-partner for Vadodara Smart City Project)

This Memorandum of Understanding is entered on Friday, 20 May 2016 at Hotel Taj, Vadodara during "VMC Interaction with Industries Association for Vadodara Smart City Project

Between

CREDAI Vadodara (Member: Confederation of Real Estate Developers' Associations of India) having its office at **Vadodara – Gujarat**

And

Vadodara Municipal Corporation (VMC)
Government of Gujarat (GoG)

CREDAI Vadodara and VMC wishes to initiate consultation on "Vadodara as a smart city" where CREDAI Vadodara and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non – financial in nature

Sr. No.	Project	Location/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Pan Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and CREDAI Vadodara is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

CREDAI Vadodara will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation


(AUTHORISED SIGNATORY)

For and on behalf of
CREDAI Vadodara


(AUTHORISED SIGNATORY)

Name : **Mr H S Patel, IAS**
Designation : Municipal Commissioner
Contact no : 0265-2433344
E mail : commissioner@vmc.gov.in
Address : CE&T
VMC, Khanderao Market
Vadodara - 390001
Department : Vadodara Municipal Corporation

Name : **Mr Vikram Gupta**
Designation : President
Contact no : 9824016270
E mail : til_999@yahoo.com
Address : A/01/a, 1st Floor,
Pratham Plaza, Opp.The Gateway Hotel,
Akota Gardens,
Vadodara- 390 020.



Smart City
MISSION TRANSFORMATION

MEMORANDUM OF UNDERSTANDING

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara during "VMC Interaction with Mahila Mandli for Vadodara Smart City Project"

Between

Siddhi Mahila Sehkan' having its office at Vadodara – Gujarat
Mandli (SMSM)
And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

SMSM and VMC wishes to initiate consultation on "Vadodara as a smart city" where SMSM and VMC wish to collaborate for advising and consulting for the smart city.

This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Vadodara	16-17

VMC would initiate various round table interactions on "Vadodara Smart City Project" and SMSM is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

SMSM will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

Malvika

(AUTHORISED SIGNATORY)

(AUTHORISED SIGNATORY)

Name Mr. H. S Pate, I A S
Designation Municipal Commissioner
Contact No. 0265-2433344
Email commissioner@vmc.gov.in
Address CE & T
VMC, Khanderao Market
Vadodara-390 001
Department Vadodara Municipal Corporation

Name Malvika Jadau
Designation DIRECTOR
Contact No. 0265-2422566
Email
Address

Bhatdizampg, Vadodara
New Khandlibaug Police stn.



MEMORANDUM OF UNDERSTANDING

(Industry Association as Co-partner for Vadodara Smart City Project)

This Memorandum of Understanding is entered on Friday, 20 May 2016 at Hotel Taj, Vadodara during "VMC Interaction with Industries Association for Vadodara Smart City Project"

Between

Federation of Gujarat Industries (FGI) having its office at **Sevasi, Vadodara – Gujarat**

And

Vadodara Municipal Corporation (VMC)
Government of Gujarat (GoG)

FGI and VMC wishes to initiate consultation on "Vadodara as a smart city" where FGI and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non – financial in nature

Sr. No.	Project	Location/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Pan Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and FGI is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

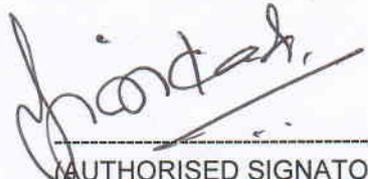
FGI will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of
Federation of Gujarat Industries (FGI)



(AUTHORISED SIGNATORY)



(AUTHORISED SIGNATORY)

Name : **Mr. H S Patel, IAS**
Designation : **Municipal Commissioner**
Contact no : **0265-2433344**
E mail : **commissioner@vmc.gov.in**
CE&T
Address : **VMC, Khanderao Market**
Vadodara - 390001
Department : **Vadodara Municipal Corporation**

Name : **Mr. Nitin Mankad**
Designation : **Vice President**
Contact no : **0265-2372901-03**
E mail : **info@fgi.co.in**
Address : **FGI Business Centre, Gotri-**
Sevasi Road, Khanpur, Near
Sevasi, Vadodara - 391101



MEMORANDUM OF UNDERSTANDING

(Industry Association as Co-partner for Vadodara Smart City Project)

This Memorandum of Understanding is entered on Friday, 20 May 2016 at Hotel Taj, Vadodara during "VMC Interaction with Industries Association for Vadodara Smart City Project"

Between

Federation of Small Scale Industries (FSSI) having its office at **Vadodara – Gujarat**

And

Vadodara Municipal Corporation (VMC)
Government of Gujarat (GoG)

FSSI and VMC wishes to initiate consultation on "Vadodara as a smart city" where FSSI and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non-financial in nature

Sr. No.	Project	Location/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Pan Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and FSSI is suggested to give its inputs and suggestions based on the industry expertise.

"A detail mechanism of delivery will be prepared by VMC as the project moves forward".

FSSI will be one of the "Co-Partner" for Vadodara Smart City Project.

For and on behalf of
Vadodara Municipal Corporation

(AUTHORISED SIGNATORY)

Name : **Mr H S Patel, IAS**
Designation : Municipal Commissioner
Contact no : 0265-2433344
E mail : commissioner@vmc.gov.in
Address : CE&T
VMC, Khanderao Market
Vadodara - 390001
Department : Vadodara Municipal Corporation

For and on behalf of
Federation of Small Scale Industries

Dhankesh Patel – Sr. Vice President

(AUTHORISED SIGNATORY)

Name : **Mr. Dhankesh Patel**
Designation : Vice President (Sr)
Contact no : 9825029501
E mail : dhankeshelcen@gmail.com
Address : Elcen Machines Pvt. Ltd.
270, GIDC, Makarpura
Vadodara – 390 010.



MEMORANDUM OF UNDERSTANDING

(Industry Association as Co-partner for Vadodara Smart City Project)

This Memorandum of Understanding is entered on Friday, 20th May 2016 at Hotel Taj, Vadodara during "VMC Interaction with Industries Association for Vadodara Smart City Project"

Between
GESIA IT Association having its chapter office at Vadodara – Gujarat.

And
Vadodara Municipal Corporation (VMC)
Government of Gujarat (GoG)

GESIA IT Association and VMC wishes to initiate consultation on "Vadodara as a smart city" where GESIA and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non – financial in nature.

Sr. No.	Project	Location/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Pan Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and GESIA IT Association is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

GESIA IT Association will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

(AUTHORISED SIGNATORY)

For and on behalf of GESIA IT Association

(AUTHORISED SIGNATORY)

Name : Mr H S Patel, IAS
Designation : Municipal Commissioner
Contact no : 0265-2433344
E mail : commissioner@vmc.gov.in
Address : CE&T
VMC, Khanderao Market
Vadodara - 390001
Department : Vadodara Municipal
Corporation

Name : Niles Kuvadia
Designation : President – Vadodara Chapter
Contact no : 9825041100
E mail : vadodara@gesia.org
Address : 301, Earth the Landmark, Opp.
Satsang Party Plot, Sun Pharma
Road, Vadodara – 390012.



MEMORANDUM OF UNDERSTANDING



(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara during "VMC Interaction with District Education Dept for Vadodara Smart City Project"

Between

District Education Department having its office at Vadodara – Gujarat

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

DEO Dept and VMC wishes to initiate consultation on "Vadodara as a smart city" where DEO and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Vadodara	16-17

VMC would initiate various round table interactions on "Vadodara Smart City Project" and DEO's off is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

DEO's off will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

(AUTHORISED SIGNATORY)

Name Mr. H. S Pate, I A S
 Designation Municipal Commissioner
 Contact No. 0265-2433344
 Email commissioner@vmc.gov.in
 Address CE & T
 VMC, Khanderao Market
 Vadodara-390 001
 Department Vadodara Municipal Corporation

(DISTRICT EDUCATION OFFICER)

Name Ms. N. M. Osheta
 Designation District Education Officer
 Contact No. 9909970215
 Email vadodeo@gmail.com
 Address - Opp. Anaril Bhavan, Karelilbag, Vadodara



MEMORANDUM OF UNDERSTANDING

(Industry Association as Co-partner for Vadodara Smart City Project)

This Memorandum of Understanding is entered on Friday, 20th May 2016 at Hotel Taj, Vadodara during "VMC Interaction with Industries Association for Vadodara Smart City Project

Between

VADODARA CHAMBER OF COMMERCE & INDUSTRY (VCCI) having its office at Vadodara – Gujarat

And

**Vadodara Municipal Corporation (VMC)
Government of Gujarat (GoG)**

VCCI and VMC wishes to initiate consultation on "Vadodara as a smart city" where VCCI and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non-financial in nature.

Sr. No.	Project	Location/s	Proposed Year of Commencement
1.	Vadodara Smart City Project	Pan Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and VCCI is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

VCCI will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of
Vadodara Chamber of Commerce & Industry

Authorised Signatory

Nilesh Shukla
President

Jagdish Gohil
Hon. Secretary

Name: Mr. H.S. Patel
Designation: Municipal Commissioner
Contact no.: 0265-2433344
Email: commissioner@vmc.gov.in
Address: CE&T
VMC, Khanderao Market
Vadodara – 390001.
Department: Vadodara Municipal Corporation

Name: Nilesh Shukla / President
Designation: President / Hon. Secretary
Contact no.: 0265-2642291, 2636262
Email: vcci@vccivadodara.org
Address: VCCI Commercial Complex
73, GIDC Estate
Makarapura, Vadodara – 390010.
VCCI





MEMORANDUM OF UNDERSTANDING

(Industry Association as Co-partner for Vadodara Smart City Project)

This Memorandum of Understanding is entered on Friday, 20 May 2016 at Hotel Taj, Vadodara during "VMC Interaction with Industries Association for Vadodara Smart City Project"

Between
Young Indians having its office at Vadodara – Gujarat

And
Vadodara Municipal Corporation (VMC)
Government of Gujarat (GoG)

Young Indians and VMC wishes to initiate consultation on "Vadodara as a smart city" where Young Indians and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non – financial in nature

Sr. No.	Project	Location/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Pan Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and Young Indians is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

Young Indians will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

(AUTHORISED SIGNATORY)

For and on behalf of Young Indians

(AUTHORISED SIGNATORY)

Name : Mr H S Patel, IAS
Designation : Municipal Commissioner
Contact no : 0265-2433344
E mail : commissioner@vmc.gov.in
Address : CE&T
VMC, Khanderao Market
Vadodara - 390001
Department : Vadodara Municipal Corporation

Name : Saikat Roychowdhury
Designation : Gujarat State Head
Contact no : 079 40279900
E mail : saikat.roychowdhury@cii.in
Address : Confederation of Indian Industry
CII House, Gulbai Tekra Road,
Near Panchwati, Ahmedabad - 380006



MEMORANDUM OF UNDERSTANDING

Smart City
MISSION TRANSFORMATION

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara during "VMC Interaction with Parasonic Energy for Vadodara Smart City Project" India Co. Ltd (PECIN)

Between

Parasonic Energy India Co. Ltd. (PECIN) having its office at Vadodara – Gujarat

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

PECIN and VMC wishes to initiate consultation on "Vadodara as a smart city" where PECIN and VMC wish to collaborate for advising and consulting for the smart city.

This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and PECIN is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

PECIN will be one of the "Co-Partner" for Vadodara Smart City Project

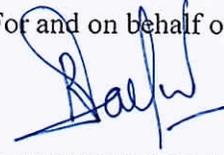
For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

(AUTHORISED SIGNATORY)


 Name Dr. Vinod Rao, IAS
 Designation Municipal Commissioner
 Contact No. 0265-2433344
 Email commissioner@vmc.gov.in
 Address CE & T
 VMC, Khanderao Market
 Vadodara-390 001
 Department Vadodara Municipal Corporation

(AUTHORISED SIGNATORY)


 Name Mr. R. S. Gaekwad
 Designation SR. MANAGER- HR
 Contact No. 0265 2642601, 62
 Email ranjit.gaekwad@in.Panasonic.co
 Address Panasonic Energy India Co. Ltd
GIDC, Makar Pura, Vadodara-10





MEMORANDUM OF UNDERSTANDING

Smart City

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara City "VMC Interaction with M/S TRANSPER-SILOX IND.P.LTD for Vadodara Smart City Project"

Between

M/S TRANSPER-SILOX IND.P.LTD having its office at Vadodara Gujarat (TSIPL)

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

TRANSPER-SILOX and VMC wishes to initiate consultation on "Vadodara as a smart city" where TSIPL and VMC wish to collaborate for advising and consulting for the smart city

This MoU is non-financial in nature

Sr. No.	Project	Locations	Proposed Year of Commencement
1	Vadodara Smart City Project	VADODARA	2016

VMC would initiate various round table inter sessions on "Vadodara Smart City Project" and TSIPL is suggested to give its inputs and suggestions based on the industry experience

A detail mechanism of delivery will be prepared by VMC as the project moves forward

TSIPL will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of Vadodara Municipal Corporation

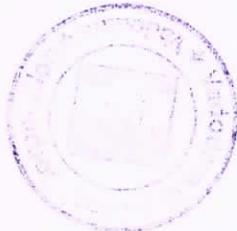
For and on behalf of TRANSPER-SILOX IND. PVT LTD

CAJ HHOEJSDSR, DRY

CAJ HHOEJSDSR, DRY

Name: Dr. Vinod Rao, IAS
 Designation: Municipal Commissioner
 Contact No: 0265-2433344
 Email: commissioner@tsilbrd.com
 Address: C & I, VMC, Khanderao Market, Vadodara-390 001
 Department: Vadodara Municipal Corporation

Name: AJ MISHRA
 Designation: GENERAL MANAGER
 Contact No: 9879114965
 Email: ajmishra@tsilbrd.com
 Address: Kalali Road, AEladra, Vadodara-390012.





MEMORANDUM OF UNDERSTANDING



Smart City
MISSION TRANSFORMING NATION

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara during "VMC Interaction with Mahila Mandli for Vadodara Smart City Project"

Between

Siddhi Mahila Sahkari having its office at Vadodara - Gujarat
Mandli (SMSM)
And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

SMSM and VMC wishes to initiate consultation on "Vadodara as a smart city" where SMSM and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Vadodara	16-17

VMC would initiate various round table interactions on "Vadodara Smart City Project" and SMSM is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

SMSM will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

Malvika

(AUTHORISED SIGNATORY)

[Signature]

(AUTHORISED SIGNATORY)

Name Dr. Vinod Rao, IAS
 Designation Municipal Commissioner
 Contact No. 0265-2433344
 Email commissioner@vmc.gov.in
 Address CE & T
 VMC, Khanderao Market
 Vadodara-390 001
 Department Vadodara Municipal Corporation

Name Malvika Yadav
 Designation DIRECTOR
 Contact No. 0265-2422566
 Email
 Address Bhuti Zampg, Vadodara
New Kharlibaug Police stn.





MEMORANDUM OF UNDERSTANDING



(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara during "VMC Interaction with District Education Dept for Vadodara Smart City Project"

Between

District Education Department having its office at Vadodara – Gujarat

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

DEO Dept and VMC wishes to initiate consultation on "Vadodara as a smart city" where DEO and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Vadodara	16-17

VMC would initiate various round table interactions on "Vadodara Smart City Project" and DEO's off is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

DEO's off will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

(AUTHORISED SIGNATORY)

Name: Vinod P. A. S.
 Designation: Municipal Commissioner
 Contact No.: 0265-2433344
 Email: commissioner@vmc.gov.in
 Address: CE & T
 VMC, Khanderao Market
 Vadodara-390 001
 Department: Vadodara Municipal Corporation

(AUTHORISED SIGNATORY)

Name: Ms. N. M. Mehta
 Designation: District Education Officer
 Contact No.: 9909970215
 Email: vadodeo@gmail.com
 Address: - Opp. Anaril Bhavan,
 Karelibag, Vadodara





MEMORANDUM OF UNDERSTANDING

Smart City
MUNICIPAL CORPORATION

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara during "VMC Interaction with SHRI DINESH MILLS LTD. for Vadodara Smart City Project"

Between

SHRI DINESH MILLS LTD. having its office at Vadodara – Gujarat
VADODARA

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

SHRI DINESH MILLS LTD. (SDML) and VMC wishes to initiate consultation on "Vadodara as a smart city" where SDML and VMC wish to collaborate for advising and consulting for the smart city.

This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	<u>VADODARA</u>	<u>2016</u>

VMC would initiate various round table interactions on "Vadodara Smart City Project" and SDML, Vadodara is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward SDML, Vadodara will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of
FOR SHRI DINESH MILLS LTD.

(AUTHORISED SIGNATORY)

[Signature]
COMPANY SECRETARY
(AUTHORISED SIGNATORY)

Name Dr. Virendra Rao IAS
Designation Municipal Commissioner
Contact No. 0265-2433344
Email commissioner@vmc.gov.in
Address CE & T
VMC, Khanderao Market
Vadodara-390 001
Department Vadodara Municipal Corporation

Name J. B. SOJITRA
Designation
Contact No.
Email
Address





MEMORANDUM OF UNDERSTANDING

Smart City

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara during "VMC Interaction with Sun Pharmaceutical Industry Barode for Vadodara Smart City Project"

Between

Sun Pharmaceutical Industries Ltd Barode having its office at Vadodara – Gujarat

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

Sun Pharmaceutical Industries Ltd Barode and VMC wishes to initiate consultation on "Vadodara as a smart city" where Sun Pharma Barode and VMC wish to collaborate for advising and consulting for the smart city.

This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Barode	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and Sun Pharma, Barode is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward Sun Pharma, Barode will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

(AUTHORISED SIGNATORY)

Dr. Vinod Rao, IAS
 Name: Dr. Vinod Rao, IAS
 Designation: Municipal Commissioner
 Contact No: 0265-2433344
 Email: commissioner@vmc.gov.in
 Address: CE & I
 VMC, Khanderao Market
 Vadodara-390 001
 Department: Vadodara Municipal Corporation

(AUTHORISED SIGNATORY)

Tandlaja
 Name: Tandlaja
 Designation: Tandlaja
 Contact No.: Tandlaja
 Email: Tandlaja
 Address: Tandlaja





MEMORANDUM OF UNDERSTANDING

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara during "VMC Interaction with FAG Bearings India Ltd. for Vadodara Smart City Project"

Between

FAG Bearings India Ltd. having its office at Vadodara – Gujarat

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

FAG Bearings India Ltd. and VMC wishes to initiate consultation on "Vadodara as a smart city" where FAG and VMC wish to collaborate for advising and consulting for the smart city.

This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and FAG is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

FAG will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

(AUTHORISED SIGNATORY)

(AUTHORISED SIGNATORY)

Name Dr. Vinod Rao, IAS
 Designation Municipal Commissioner
 Contact No. 0265-2433344
 Email commissioner@vmc.gov.in
 Address CE & I
 VMC, Khanderao Market
 Vadodara-390 001
 Department Vadodara Municipal Corporation

Name G. Sathyanarayana
 Designation Plant manager
 Contact No.
 Email
 Address

FAG Bearings India Ltd.
P.O. Mansja, Vadodara - 390 013.





MEMORANDUM OF UNDERSTANDING



3

(for the Vadodra Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodra during "VMC Interaction with Bundy India Ltd. for Vadodra Smart City Project"

Between

Bundy India Ltd. having its office at Vadodra - Gujarat

And

Vadodra Municipal Corporation (VMC)

Government of Gujarat (GoG)

Bundy India Ltd. and VMC wishes to initiate consultation on "Vadodra as a smart city" where BIL and VMC wish to collaborate for advising and consulting for the smart city.

This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodra Smart City Project	Vadodra	2016

VMC would initiate various round table interactions on "Vadodra Smart City Project" and BIL is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

B. I. L. will be one of the "Co-Partner" for Vadodra Smart City Project

For and on behalf of
Vadodra Municipal Corporation

(AUTHORISED SIGNATORY)

Dr. Vinod Rao, IAS
 Name: Dr. Vinod Rao, IAS
 Designation: Municipal Commissioner
 Contact No.: 0265-2433344
 Email: commissioner@vmc.gov.in
 Address: CE & T
 VMC, Khanderao Market
 Vadodra-390 001
 Department: Vadodra Municipal Corporation

Bundy India Ltd.

For and on behalf of
 2, G.I.D.C. Industrial Estate,
 Makarpura, Vadodra -390 010.
 GUJARAT, INDIA.
 Ph. No.: +91 0265 2642621
 (AUTHORISED SIGNATORY)

Mr. V. K. Dhae
 Name: Mr. V. K. Dhae
 Designation: Sr. General Manager
 Contact No.:
 Email: vdhae@iu-tiauto.com
 Address: 02. Ind. Estate, Makarpura, vadodra





MEMORANDUM OF UNDERSTANDING

Smart City

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 29 June 2016 at Vadodra during VMC Interaction with Env Jyoti Ltd for Vadodara Smart City Project

Between

Environment Project having its office at Vadodara - Gujarat

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

Jyoti Ltd and VMC wish to initiate consultation on "Vadodara as a smart city" where and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Vadodara	2016-17

VMC would initiate various round table interactions on "Vadodara Smart City Project" and EMS is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

Signature
Dr. Vinod RAOIAS

Name: Dr. Vinod RAOIAS
Designation: Municipal Commissioner
Contact No: 0265-2433344
Email: commissioner@vmc.gov.in
Address: C1 & I
VMC, Khanderao Market
Vadodara-390 001
Organization: Vadodara Municipal Corporation

For and on behalf of

Name: Yogesh H. Mahajan
Designation: Asst. Manager
Contact No: 9726218379
Email: jhsmahajan1978@rocketmail.com
Address: Yogesh.mahajan@jyoti.com



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this _____ Day of _____ 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

[Vadodara Urban Development Authority (VUDA)] having its office at Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

WHEREAS Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted [Vadodara] city under stage-1 of smart cities challenge as potential smart city and [Name of Municipal Corporation] has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

AND WHEREAS the Authority has passed council resolution no._43 dated 14-06-2016 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV, and after formation of SPV, all rights and obligations of the Authority related to SCP will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Vadodara SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING - The objective of this Memorandum of Understanding (MOU) is to define areas of coordination and collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Vadodara under Government of India's Smart City Mission.

2. AREAS OF COORDINATION AND COLLABORATION - The areas of coordination and collaboration between the Authority and the Agency will be as following:

- 2.1. Parties will coordinate in areas related to planning, design, implementation, operations and maintenance, monitoring and coordination for Strategic Area as per SCP.
- 2.2. The Agency will provide necessary support to the Authority for undertaking project implementation for strategic area proposals and pan-city proposals as per SCP.
- 2.3. The Agency will endeavour to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies, schemes and budgets.
- 2.4. The Agency will fast track any applicable approvals, licenses, and permits for implementation of smart city projects.

2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.

3. **NON-EXCLUSIVITY** - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. **TERMS AND TERMINATION** - This MOU, unless extended by mutual written agreement of the parties, shall expire 5 (five) years after the effective date specified in the opening paragraph. This MOU may be amended, extended or terminated by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

5. **RELATIONSHIP** - Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

6. **SIGNED IN DUPLICATE** - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

For and on behalf of Second Part

Signature



Name Dr Vinod Rao, IAS

Signature


Chief Executive Authority
Urban Development Authority
VADODARA.

Name Dr N K Meena, IAS

Title Municipal Commissioner

Title CEO, VUDA

Date 28-06-2016

Date 28-06-2016

Witness

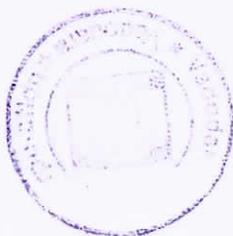
Witness

1.

1.

2.

2.



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this 28th Day of June 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

[WebMob, Technologies] having its office at Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

WHEREAS Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted [Vadodara] city under stage-1 of smart cities challenge as potential smart city and [Name of Municipal Corporation] has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

AND WHEREAS the Authority has passed council resolution no. 43 dated 14-06-2016 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV, and after formation of SPV, all rights and obligations of the Authority related to SCP will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Vadodara SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING - The objective of this Memorandum of Understanding (MOU) is to define areas of coordination and collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Vadodara under Government of India's Smart City Mission.

2. AREAS OF COORDINATION AND COLLABORATION - The areas of coordination and collaboration between the Authority and the Agency will be as following:

- 2.1. Parties will coordinate in areas related to planning, design, implementation, operations and maintenance, monitoring and coordination for Strategic Area as per SCP.
- 2.2. The Agency will provide necessary support to the Authority for undertaking project implementation for strategic area proposals and pan-city proposals as per SCP.
- 2.3. The Agency will endeavour to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies, schemes and budgets.
- 2.4. The Agency will fast track any applicable approvals, licenses, and permits for implementation of smart city projects.

2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.

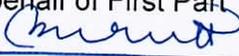
3. **NON-EXCLUSIVITY** - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. **TERMS AND TERMINATION** - This MOU, unless extended by mutual written agreement of the parties, shall expire 5 (five) years after the effective date specified in the opening paragraph. This MOU may be amended, extended or terminated by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

5. **RELATIONSHIP** - Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

6. **SIGNED IN DUPLICATE** - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part
Signature 
Name Dr. Vinod Raw, IAS
Title Municipal Commissioner
Date
Witness
1.
2.

For and on behalf of Second Part
Signature V.R. Bhadane
Name Vivek Bhadane
Title CTO
Date 28th June, 2016
Witness
1.
2.



For Webmobi Technologies

V.R. Bhadane

Partner

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this 28th Day of June 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

[Commissioner of Police, Vadodara City] having its office at Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

WHEREAS Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted [Vadodara] city under stage-1 of smart cities challenge as potential smart city and [Name of Municipal Corporation] has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

AND WHEREAS the Authority has passed council resolution no. 43 dated 14-06-2016 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV, and after formation of SPV, all rights and obligations of the Authority related to SCP will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Vadodara SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING - The objective of this Memorandum of Understanding (MOU) is to define areas of coordination and collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Vadodara under Government of India's Smart City Mission.

2. AREAS OF COORDINATION AND COLLABORATION - The areas of coordination and collaboration between the Authority and the Agency will be as following:

- 2.1. Parties will coordinate in areas related to planning, design, implementation, operations and maintenance, monitoring and coordination for Strategic Area as per SCP.
- 2.2. The Agency will provide necessary support to the Authority for undertaking project implementation for strategic area proposals and pan-city proposals as per SCP.
- 2.3. The Agency will endeavour to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies, schemes and budgets.
- 2.4. The Agency will fast track any applicable approvals, licenses, and permits for implementation of smart city projects.

2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.

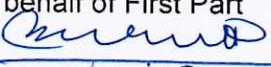
3. **NON-EXCLUSIVITY** - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. **TERMS AND TERMINATION** - This MOU, unless extended by mutual written agreement of the parties, shall expire 5 (five) years after the effective date specified in the opening paragraph. This MOU may be amended, extended or terminated by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

5. **RELATIONSHIP** - Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

6. **SIGNED IN DUPLICATE** - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part
Signature 
Name Dr. Vinod Rao, IAS
Title Municipal Commissioner
Date _____
Witness
1.
2.

For and on behalf of Second Part
Signature 
Name _____
Title _____
Date 28/6/16
Witness
1. Dagar
2. Man
(E. RADHAKRISHNA)
COMMISSIONER OF POLICE,
VADODARA CITY.



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this _____ Day of _____ 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

The Maharoja Sayajirao University of Baroda] having its office at Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

WHEREAS Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted [Vadodara] city under stage-1 of smart cities challenge as potential smart city and [Name of Municipal Corporation] has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

AND WHEREAS the Authority has passed council resolution no._43 dated 14-06-2016 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV, and after formation of SPV, all rights and obligations of the Authority related to SCP will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Vadodara SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING - The objective of this Memorandum of Understanding (MOU) is to define areas of coordination and collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Vadodara under Government of India's Smart City Mission.

2. AREAS OF COORDINATION AND COLLABORATION - The areas of coordination and collaboration between the Authority and the Agency will be as following:

2.1. Parties will coordinate in areas related to planning, design, implementation, operations and maintenance, monitoring and coordination for Strategic Area as per SCP.

2.2. The Agency will provide necessary support to the Authority for undertaking project implementation for strategic area proposals and pan-city proposals as per SCP.

2.3. The Agency will endeavour to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies, schemes and budgets.

2.4. The Agency will fast track any applicable approvals, licenses, and permits for implementation of smart city projects.

2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.

2.6 The M.S. University shall not bare any financial liability in the said MOU.

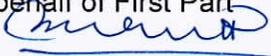
3. **NON-EXCLUSIVITY** - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

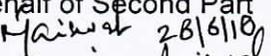
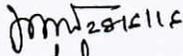
4. **TERMS AND TERMINATION** - This MOU, unless extended by mutual written agreement of the parties, shall expire 5 (five) years after the effective date specified in the opening paragraph. This MOU may be amended, extended or terminated by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

5. **RELATIONSHIP** - Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

6. **SIGNED IN DUPLICATE** - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part
Signature 
Name Dr. Vinod Rao IAS
Title Municipal Commissioner
Date
Witness
1.
2.

For and on behalf of Second Part
Signature 
Name Dr. Neeraj Kishor
Title Registrar (OSD)
Date 28.06.2016
Witness
1. M. D. Vyas 
2. J. M. Sani 
28/6/16



Registrar (Officer On Special Duty)
The Maharaja Sayajirao University of Baroda
Fatehgunj,
Vadodara - 390002



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this 23rd Day of June 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Medical College Baroda and Sir Sayajirao General Hospital, Vadodara having its office at SSG Hospital Campus, Anandpura, Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

WHEREAS Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted Vadodara city under stage-1 of smart cities challenge as potential smart city and Vadodara Municipal Corporation has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

AND WHEREAS the Authority has passed council resolution no. 43 dated 14th June 2016 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV, and after formation of SPV, all rights and obligations of the Authority related to SCP will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Vadodara SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING - The objective of this Memorandum of Understanding (MOU) is to define areas of coordination and collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Vadodara under Government of India's Smart City Mission.

2. AREAS OF COORDINATION AND COLLABORATION - The areas of coordination and collaboration between the Authority and the Agency will be as following:

- 2.1. Parties will coordinate in areas related to planning, design, implementation, operations and maintenance, monitoring and coordination for Strategic Area as per SCP.
- 2.2. The Agency will provide necessary support to the Authority for undertaking project implementation for strategic area proposals and pan-city proposals as per SCP.
- 2.3. The Agency will endeavour to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies, schemes and budgets.
- 2.4. The Agency will fast track any applicable approvals, licenses, and permits for implementation of smart city projects.

2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.

3. **NON-EXCLUSIVITY** - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. **TERMS AND TERMINATION** - This MOU, unless extended by mutual written agreement of the parties, shall expire 5(five) years after the effective date specified in the opening paragraph. This MOU may be amended, extended or terminated by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

5. **RELATIONSHIP** - Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

SIGNED IN DUPLICATE - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature 

Name: Dr. Vinod Rao, IAS

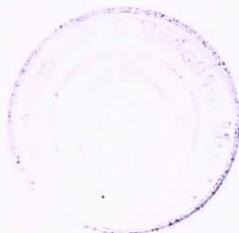
Title: Municipal Commissioner, VMC

Date: 28th June 2016

Witness:

1. Dr. Dinesh Patel 

2.  Sheet - Mansh Sheet



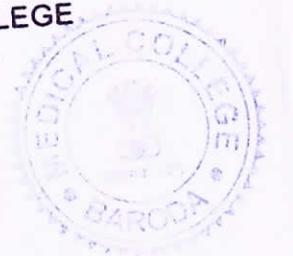
For and on behalf of Second Part
DEAN

Signature **MEDICAL COLLEGE
BARODA.**

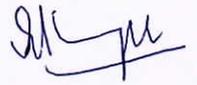
Name: Dr. A. T. Leuva

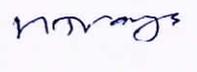
Title: Dean, MCB

Date: 28th June 2016



Witness:

1. DR E. R. Oommen, 

2. Dr V. H. Vanigs 

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this 23rd Day of June 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

GMERS Medical College and Hospital, Gotri, Vadodara having its office at Old T.B. Hospital Campus, Gotri Road, Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

WHEREAS Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted Vadodara city under stage-1 of smart cities challenge as potential smart city and Vadodara Municipal Corporation has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

AND WHEREAS the Authority has passed council resolution no. 43 dated 14th June 2016 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV, and after formation of SPV, all rights and obligations of the Authority related to SCP will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Vadodara SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING - The objective of this Memorandum of Understanding (MOU) is to define areas of coordination and collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Vadodara under Government of India's Smart City Mission.

2. AREAS OF COORDINATION AND COLLABORATION - The areas of coordination and collaboration between the Authority and the Agency will be as following:

- 2.1. Parties will coordinate in areas related to planning, design, implementation, operations and maintenance, monitoring and coordination for Strategic Area as per SCP.
- 2.2. The Agency will provide necessary support to the Authority for undertaking project implementation for strategic area proposals and pan-city proposals as per SCP.
- 2.3. The Agency will endeavour to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies, schemes and budgets.
- 2.4. The Agency will fast track any applicable approvals, licenses, and permits for implementation of smart city projects.

2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.

3. NON-EXCLUSIVITY - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

4. TERMS AND TERMINATION - This MOU, unless extended by mutual written agreement of the parties, shall expire 5(five) years after the effective date specified in the opening paragraph. This MOU may be amended, extended or terminated by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

5. RELATIONSHIP - Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

SIGNED IN DUPLICATE - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part
Signature

Name: **Dr. Vinod Rao, IAS**
Title: **Municipal Commissioner**
Date:

For and on behalf of Second Part
Signature

Name: **Dr. Minoo R. Patel**
Title: **DEAN**
Date: **23/06/2016**



Dr. Minoo R. Patel
M.S., F.I.C.S., F.I.A.M.S.
DEAN
GMERS, Medical College & Hospital,
Gotri, VADODARA.

Witness

- 1.
- 2.

Witness

- 1.
- 2.



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this 28 Day of JUNE 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

Vadodara Gas Limited (A JV Company of Gail Gas Ltd & VMSS) having its office at 3rd floor, Gail Building, Manisha Circle, O P Road, Vadodara, Gujarat – 390015 (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

WHEREAS Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted Vadodara city under stage-1 of smart cities challenge as potential smart city and Vadodara Municipal Corporation has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

AND WHEREAS the Authority has passed council resolution no. _____ dated _____ to incorporate a Special Purpose Vehicle ('SPV) for planning, designing financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV, and after formation of SPV, all rights and obligations of the Authority related to SCP will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Vadodara SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING - The objective of this Memorandum of Understanding (MOU) is to define areas of coordination and collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Vadodara under Government of India's Smart City Mission.
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 - 2.2. The Agency will provide necessary support to the Authority for undertaking

project implementation for strategic area proposals and pan-city proposals per SCP.

- 2.3. The Agency will endeavor to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies schemes and budgets.
 - 2.4. The Agency will fast track any applicable approvals, licenses and permits for implementation of smart city projects
 - 2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.
3. NON-EXCLUSIVITY - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.
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 5. RELATIONSHIP - Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.
 6. SIGNED IN DUPLICATE - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

Signature

Name Dr. Vinod Rao (IAS)

Title Municipal Commissioner

Date 28/06/2016

Witness

- 1.
- 2.



For and on behalf of Second Part

Signature

Name Shailesh K. Naik

Title Director (Commercial)

Date 28/6/2016

Witness

- 1.
- 2.



MEMORANDUM OF UNDERSTANDING

Smart City
MISSION TRANSFORMATION

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 20 June 2016 at Vadodara during "VMC Interaction with Parasonic Energy India Co. Ltd (PECIN) for Vadodara Smart City Project"

Between

Parasonic Energy India Co. Ltd. (PECIN) having its office at Vadodara – Gujarat

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

PECIN and VMC wishes to initiate consultation on "Vadodara as a smart city" where PECIN and VMC wish to collaborate for advising and consulting for the smart city.

This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Vadodara	2016

VMC would initiate various round table interactions on "Vadodara Smart City Project" and PECIN is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward

PECIN will be one of the "Co-Partner" for Vadodara Smart City Project

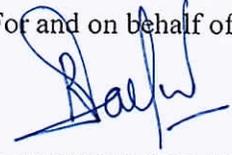
For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

(AUTHORISED SIGNATORY)


 Name Dr. Vinod Rao, IAS
 Designation Municipal Commissioner
 Contact No. 0265-2433344
 Email commissioner@vmc.gov.in
 Address CE & T
 VMC, Khanderao Market
 Vadodara-390 001
 Department Vadodara Municipal Corporation

(AUTHORISED SIGNATORY)


 Name Mr. R. S. Gaekwad
 Designation SR. MANAGER- HR
 Contact No. 0265 2642661, 62
 Email ranjit.gaekwad@in.Panasonic.co
 Address Panasonic Energy India Co. Ltd
GIDC, Makar Pura, Vadodara-10





MEMORANDUM OF UNDERSTANDING

Smart City

(for the Vadodara Smart City Project)

This memorandum of Understanding is entered on Friday, 29 June 2016 at Vadodra during VMC Interaction with Env Jyoti Ltd for Vadodara Smart City Project

Between

Environment Project having its office at Vadodara - Gujarat

And

Vadodara Municipal Corporation (VMC)

Government of Gujarat (GoG)

Jyoti Ltd and VMC wishes to initiate consultation on "Vadodara as a smart city" where and VMC wish to collaborate for advising and consulting for the smart city. This MoU is non-financial in nature

Sr. No.	Project	Locations/s	Proposed Year of Commencement
1	Vadodara Smart City Project	Vadodara	2016-17

VMC would initiate various round table interactions on "Vadodara Smart City Project" and EMS is suggested to give its inputs and suggestions based on the industry expertise.

A detail mechanism of delivery will be prepared by VMC as the project moves forward will be one of the "Co-Partner" for Vadodara Smart City Project

For and on behalf of
Vadodara Municipal Corporation

For and on behalf of

Signature
Dr. Vinod RAOIAS

Name: Dr. Vinod RAOIAS
Designation: Municipal Commissioner
Contact No: 0265-2433344
Email: commissioner@vmc.gov.in
Address: C1 & I
VMC, Khanderao Market
Vadodara-390 001
Organization: Vadodara Municipal Corporation

For and on behalf of

Name: Yogesh H. Mahajan
Designation: Asst. Manager
Contact No: 9726218379
Email: jhsmahajan1978@rocketmail.com
Address: Yogesh.mahajan@jyoti.com



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this _____ Day of _____ 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

[Vadodara Urban Development Authority (VUDA)] having its office at Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

WHEREAS Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted [Vadodara] city under stage-1 of smart cities challenge as potential smart city and [Name of Municipal Corporation] has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

AND WHEREAS the Authority has passed council resolution no._43 dated 14-06-2016 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV, and after formation of SPV, all rights and obligations of the Authority related to SCP will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Vadodara SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING - The objective of this Memorandum of Understanding (MOU) is to define areas of coordination and collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Vadodara under Government of India's Smart City Mission.

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6. **SIGNED IN DUPLICATE** - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part

For and on behalf of Second Part

Signature



Name Dr Vinod Rao, IAS

Signature


Chief Executive Authority
Urban Development Authority
VADODARA.

Name Dr N K Meena, IAS

Title Municipal Commissioner

Title CEO, VUDA

Date 28-06-2016

Date 28-06-2016

Witness

Witness

1.

1.

2.

2.



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this 28th Day of June 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

[WebMob, Technologies] having its office at Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

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2. AREAS OF COORDINATION AND COLLABORATION - The areas of coordination and collaboration between the Authority and the Agency will be as following:

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For and on behalf of First Part
Signature 
Name Dr. Vinod Raw, IAS
Title Municipal Commissioner
Date
Witness
1.
2.

For and on behalf of Second Part
Signature V.R. Bhadane
Name Vivek Bhadane
Title CTO
Date 28th June, 2016
Witness
1.
2.



For Webmobi Technologies

V.R. Bhadane

Partner

MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this 28th Day of June 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

[Commissioner of Police, Vadodara City] having its office at Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

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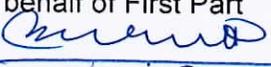
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For and on behalf of First Part
Signature 
Name Dr. Vinod Rao, IAS
Title Municipal Commissioner
Date _____
Witness
1.
2.

For and on behalf of Second Part
Signature 
Name _____
Title _____
Date 28/6/16
Witness
1. Dagar
2. Man
(E. RADHAKRISHNA)
COMMISSIONER OF POLICE,
VADODARA CITY.



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this _____ Day of _____ 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

The Maharoja Sayajirao University of Baroda] having its office at Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

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2.3. The Agency will endeavour to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies, schemes and budgets.

2.4. The Agency will fast track any applicable approvals, licenses, and permits for implementation of smart city projects.

2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.

2.6 The M.S. University shall not bare any financial liability in the said MOU.

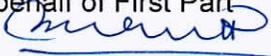
3. **NON-EXCLUSIVITY** - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

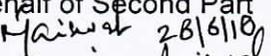
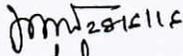
4. **TERMS AND TERMINATION** - This MOU, unless extended by mutual written agreement of the parties, shall expire 5 (five) years after the effective date specified in the opening paragraph. This MOU may be amended, extended or terminated by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

5. **RELATIONSHIP** - Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

6. **SIGNED IN DUPLICATE** - This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For and on behalf of First Part
Signature 
Name Dr. Vinod Rao IAS
Title Municipal Commissioner
Date
Witness
1.
2.

For and on behalf of Second Part
Signature 
Name Dr. Neeraj Kishor
Title Registrar (OSD)
Date 28.06.2016
Witness
1. M. D. Vyas 
2. J. M. Sani 
28/6/16



Registrar (Officer On Special Duty)
The Maharaja Sayajirao University of Baroda
Fatehgunj,
Vadodara - 390002



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this 23rd Day of June 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

AND

Medical College Baroda and Sir Sayajirao General Hospital, Vadodara having its office at SSG Hospital Campus, Anandpura, Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

Hereafter referred to collectively as "Parties".

WHEREAS Ministry of Urban Development ("MoUD") has launched Smart Cities Mission ("Mission") and shortlisted Vadodara city under stage-1 of smart cities challenge as potential smart city and Vadodara Municipal Corporation has prepared a Smart City Plan ("SCP") for stage-2 of smart cities challenge.

AND WHEREAS the Authority has passed council resolution no. 43 dated 14th June 2016 to incorporate a Special Purpose Vehicle ("SPV") for planning, designing, financing, implementation and operations and maintenance of smart city projects.

AND WHEREAS the Authority will act as nodal organization for coordination on all matters relating to SCP and its implementation till formation of SPV, and after formation of SPV, all rights and obligations of the Authority related to SCP will be transferred to the SPV.

AND WHEREAS the Parties have had discussions on Vadodara SCP including proposals for area based development for Strategic Area and pan-city solutions and have reached an understanding on the following roles and responsibilities pertaining to smart city plan implementation:

1. OBJECTIVE OF MEMORANDUM OF UNDERSTANDING - The objective of this Memorandum of Understanding (MOU) is to define areas of coordination and collaboration between the Authority and the Agency for planning, design, financing, implementation and operations and maintenance of upcoming smart city projects in Vadodara under Government of India's Smart City Mission.

2. AREAS OF COORDINATION AND COLLABORATION - The areas of coordination and collaboration between the Authority and the Agency will be as following:

- 2.1. Parties will coordinate in areas related to planning, design, implementation, operations and maintenance, monitoring and coordination for Strategic Area as per SCP.
- 2.2. The Agency will provide necessary support to the Authority for undertaking project implementation for strategic area proposals and pan-city proposals as per SCP.
- 2.3. The Agency will endeavour to prioritize its development projects in line with SCP and to converge resources to the Authority for implementation of smart city plan components which fall under various policies, schemes and budgets.
- 2.4. The Agency will fast track any applicable approvals, licenses, and permits for implementation of smart city projects.

2.5. Parties will consult each other and exchange necessary information for coordination and collaboration purpose.

3. **NON-EXCLUSIVITY** - The relationship of the parties under this MOU shall be non-exclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular agreement related to Strategic Area, the participants may agree to limit each party's right to collaborate with others on that subject.

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For and on behalf of First Part

Signature 

Name: Dr. Vinod Rao, IAS

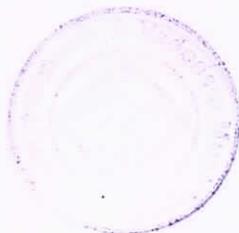
Title: Municipal Commissioner, VMC

Date: 28th June 2016

Witness:

1. Dr. Dinesh Patel 

2.  Sheet - Mansh Sheet



For and on behalf of Second Part
DEAN

Signature **MEDICAL COLLEGE
BARODA.**

Name: Dr. A. T. Leuva

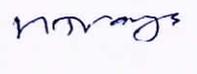
Title: Dean, MCB

Date: 28th June 2016



Witness:

1. DR E. R. Oommen, 

2. Dr V. H. Vanigs 

MEMORANDUM OF UNDERSTANDING

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AND

GMERS Medical College and Hospital, Gotri, Vadodara having its office at Old T.B. Hospital Campus, Gotri Road, Vadodara (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

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For and on behalf of First Part
Signature

Name: **Dr. Vinod Rao, IAS**
Title: **Municipal Commissioner**
Date:

For and on behalf of Second Part
Signature

Name: **Dr. Minoo R. Patel**
Title: **DEAN**
Date: **23/06/2016**



Dr. Minoo R. Patel
M.S., F.I.C.S., F.I.A.M.S.
DEAN
GMERS, Medical College & Hospital,
Gotri, VADODARA.

Witness

- 1.
- 2.

Witness

- 1.
- 2.



MEMORANDUM OF UNDERSTANDING

This Agreement is made at Vadodara on this 28 Day of JUNE 2016 between Vadodara Municipal Corporation, having its office at Khanderao Market (herein after referred to as the "Authority") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the first part of agreement.

Vadodara Gas Limited (A JV Company of Gail Gas Ltd & VMSS) having its office at 3rd floor, Gail Building, Manisha Circle, O P Road, Vadodara, Gujarat – 390015 (herein after referred to as the "Agency") which expression shall where the context so admit include its heirs, Assigns, Executors, Successors, Legal Representatives, Administrators etc. of the second part of agreement.

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project implementation for strategic area proposals and pan-city proposals per SCP.

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For and on behalf of First Part

Signature

Name Dr. Vinod Rao (IAS)

Title Municipal Commissioner

Date 28/06/2016

Witness

- 1.
- 2.



For and on behalf of Second Part

Signature

Name Shailesh K. Naik

Title Director (Commercial)

Date 28/6/2016

Witness

- 1.
- 2.

Agreement/s with Parastatal Bodies, Boards existing in the City for implementing the full scope of the SCP and sustaining the pan-city and area-based developments:



Avantika Singh, I.A.S.

Collector & District Magistrate Vadodara
Office of the Collector & District Magistrate
Kothi Building, Raopura, Vadodara-390 001.
Tel.(O) : 0265-2433000, Fax : 0265-2431093
(M) : 9978406224
Email : collector-vad@gujarat.gov.in
Date : 08/12/2015

To
Shri H.S.Patel, IAS
Municipal Commissioner
Vadodara Municipal Corporation

Subject : Formation of Special Purpose Vehicle (SPV)for Smart City Vadodara

Reference : Letter no. 1589 dated 05/12/15 from Vadodara Municipal Corporation

Dear Sir,

We have received your letter dated 05/12/2015 regarding the aforementioned subject.

We hereby accept your invitation to be part of the Smart City SPV. We also understand that the modality of the SPV will be finalized soon, through discussion with all the stakeholders of Smart City Vadodara.

Looking forward to a successful association,

Thanks & regards,

Name : Avantika Singh, IAS
Designation : Collector, Vadodara
Address : Office of the District Collector, Kothi Compound, Vadodara



Office of the Commissioner of Police,
Police Bhavan, Jail Road, Vadodara - 001
Phone No.0265-2431414, Fax: No. 2432582

No. C.P./PA/Vad./SPV/ 201/15
Dt: 08/12/2015

To,
The Municipal Commissioner
Vadodara Municipal Commissioner,
Khanderao Market,
Vadodara-390 009.

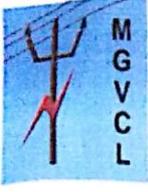
Sub: Formation of Special Purpose Vehicle (SPV) for Smart City, Vadodara.

I am in receipt of your letter dated 5th Dec. 2015 regarding implementation of smart city mission through a Special Purpose Vehicle (SPV) and it is consented that police department will also be the integral part of this SPV of this project.

M. S. M. D.
Smart City

Majimundar Sir

[Signature]
Commissioner of Police,
Vadodara City.



"Save Energy for Benefit of Self & Nation"

MADHYA GUJARAT VIJ COMPANY LTD.

(A Govt. of Gujarat Undertaking)

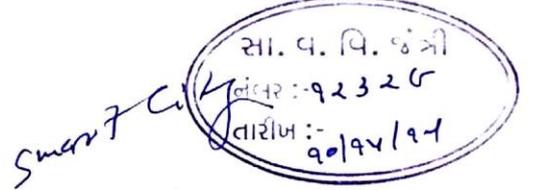
AN ISO 9001:2008 CERTIFIED COMPANY



No: MGVC/MD/57

Date: 8th December, 2015

S.B.KHYALIA
Managing Director



To
Shri H.S.Patel, IAS
Municipal Commissioner
Khanderao Market, Palace Road
Vadodara-390 209

Dir IT

Sub: Formation of Special Purpose Vehicle (SPV) for Smart City, Vadodara
Ref: Your office Letter No 1579 Dtd 5th Dec-2015

Dear Sir,

We are in receipt of your above referred letter, inviting MGVCL to be a part of Special Purpose Vehicle (SPV) for prestigious Smart City project of Vadodara.

In this regard, at the outset, we convey our gratitude for considering the MGVCL as a part of SPV, which is envisaged for implementation of 'Smart City' project for Vadodara city. The MGVCL, being Power Distribution Utility, would certainly have to play a vital role in achieving the various objectives of Smart City and therefore, we convey our 'in principle' consent to be associated with SPV for Smart City.

However, as regard to any financial commitment, it can be confirmed on getting detailed specific Project from your end and approval of our Board of Directors.

Thanking you,

Handwritten signature of S.B. Khyalia

Smart City

Yours Sincerely,

Handwritten signature of S.B. Khyalia

(S.B.Khyalia)
MANAGING DIRECTOR

આઇ.ટી. ડીપાર્ટમેન્ટ
આવક નં.: 2206
તા. 10/12/2015

Handwritten note: મજાલુ 212

Prof. Parimal H. Vyas
PRO-VICE CHANCELLOR



The Maharaja Sayajirao University of Baroda

Office : University Road, Fatehgunj, Vadodara 390002 Gujarat, India

Ref : PVC / 2015 / 190
Date: December 8th, 2015

To,
Shri H S Patel
Municipal Commissioner
Vadodara Municipal Corporation
Khanderao Market,
Vadodara

Subject : Formation of Special Purpose Vehicle (SPV) for Smart City Vadodara

Reference : Letter No. 1578 dated 05/12/2015 from Vadodara Municipal Corporation.

Dear Sir,

Greetings from The Maharaja Sayajirao University of Baroda !.

We have received your letter No. 1578 dated 05/12/2015 regarding the aforementioned subject.

We hereby accept your invitation to be part of the Smart City SPV. We also understand that the modality of the SPV will be finalized soon, through discussion with all the stakeholders of Smart City Vadodara.

Looking forward to a successful association.

Thanking you, I remain,

Yours sincerely,

(Prof Parimal H Vyas)

Phone : (0) - 91-265 2784662 Fax +91 265 2793693 Mobile +91-9825409001 e-mail ID : pvc@msubaroda.ac.in | parimalvyasmsu@yahoo.co.in
Residence : D-71, Sundaram Society, Near Vrajdharm Temple, Manjalpur, Vadodara-390 011.



વડોદરા ગૈસ લિમિટેડ

(ગૈસ ગૈસ લિમિટેડ ઓર વીએમएसएस કી સંયુક્ત ઉદ્યમ કંપની)
તૃતીય તલ, ગૈલ બિલ્ડિંગ, મનીષા સર્કલ,
ઓલ્ડ પાદરા રોડ, વડોદરા - ૩૯૦ ૦૧૫ (ગુજરાત)
દૂરભાષ: 0265-2330888

VGL Outward NO:- 3589

Dated 08/12/15

Vadodara Gas Limited

(A Joint Venture Company of GAIL Gas Ltd & VMSS)
3rd Floor, GAIL Building, Manisha Circle,
Old Padra Road, Vadodara - 390 015 (Gujarat)
Tel.: 0265 - 2330888

Date: 7th December, 2015

To
Shri H.S.Patel, IAS
Municipal Commissioner
Vadodara Municipal Corporation

Subject: Formation of Special Purpose Vehicle (SPV) for Smart City Vadodara

Reference: Letter no. 1576 dated 05/12/2015 from Vadodara Municipal Corporation

Dear Sir,

We have receive you letter dated 05/12/2015 regarding the aforementioned subject.

We hereby accept your invitation to be part of the Smart City SPV. We also understand that the modality of the SPV will be finalized soon, through discussion with all the stakeholders of Smart City Vadodara.

Looking forward to a successful association,

Thanks & regards,



Yours sincerely,

Director (Commercial)
Vadodara Gas Ltd.

પંજીકૃત કાર્યાલય: ગૈસ પ્રોજેક્ટ ડિવિઝન, ઢાંડિયા બજાર, વડોદરા-૩૯૦૦૦૧ દૂરભાષ: 0265-2434117/118 Regd. Off.: Gas Project Division, Dandia Bazar, Vadodara-390001, Tel: 0265-2434117/118

પ્રાકૃતિક ગૈસ - સ્વચ્છ ઊર્જા, હરિત ઊર્જા

Natural Gas - Clean Energy, Green Energy

Date: 09 Dec, 2015

To
Shri H.S.Patel, IAS
Municipal Commissioner
Vadodara Municipal Corporation

Subject: Formation of Special Purpose Vehicle (SPV) for Smart City Vadodara

Reference: Letter no. 1580 dated 05-12-2015 from Vadodara Municipal Corporation

Dear Sir,

We have receive you letter dated 05-12-2015 regarding the aforementioned subject.

We hereby accept your invitation to be part of the Smart City SPV. We also understand that the modality of the SPV will be finalized soon, through discussion with all the stakeholders of Smart City Vadodara.

Looking forward to a successful association,

Thanks & regards,



Name Dr. Narander Kumar Meena (IAS)

Designation CEO VUDA

Address Vadodara

To,
The Secretary
Municipal Corporation,
Vadodara.

Sub: To delegate the power to the Municipal Commissioner, in the mission of Smart City of Government of India for the agreement with the consultant, executing financial agreement, formation of **Special Purpose Vehicle** and every type of process related to it.

An initiative is taken by Government of India for converting 100 Indian Cities in to smart cities in the upcoming 5 years. Vadodara City is one of the city which is being included in First Phase of smart city project from Gujarat State.

Due to the implementation of smart city project, the standard of living of citizens will be improved due to clean environment, clean and efficient water supply, important facilities for cleanliness, uninterrupted electricity supply, efficient traffic management, rapid mode of transportation, quality education, health related services, improvised and influential services by Corporation using information technology (I.T.) based solutions, aiming to achieve the smart city goals.

In the second phase, the cities selected from the states will be competing among each other in order to be the one selected for smart city project. For preparing the proposal JLL consultants have been appointed by the Government of Gujarat for which Rs.11.40 lac will have to be paid to them as consultancy charges. As per the guidelines of Government of India the amount of consultancy charges will be paid by Government of India through Government of Gujarat. In order to prepare the proposal for the smart city, the citizens of the city will be requested through advertisements to give their inputs, suggestions, ideas and comments. As a part of this campaign, many discussions, citizen consultations, completions, meetings etc. will also have to be organized.

Under smart city project, 7 nos. of projects will be incorporated under PAN city and 9 nos. under Area Based Development which makes a total of 16 projects whose overall estimated cost comes around 1330 crores at the present stage. For the above stated project cost, 50% of the amount will be funded by Government of India and remaining 50% will be shared by Municipal Corporation on 25:25 basis, the details of which are hereby enclosed in annexure -A and annexure – B. In addition a special purpose vehicle will be formed for the proper execution and administration work of the smart city project as per the guidelines of smart city project.

By considering the above stated details for including Vadodara city under the smart city mission of Government of India, it is requested to permit the authorities to Municipal Commissioner for expediting the necessary agreement, expenditure occurred till date and which will occur in the future, for the formation of special purpose vehicle and co-related work and also for the change in expenditure as mention above. For executing all the above stated works, the Standing Committee is requested to delegate the authority to Municipal Commissioner.

Municipal Commissioner
Vadodara Municipal Corporation

Resolution of the Corporation/Council approving Smart City Plan including Financial Plan:

ગુજરાત સરકાર | ગાંધી નગર | વડોદરા | ૨૦૧૫ | ૧૫-૧૬

તા ૧૫-૧૬-૧૫
વડોદરા મહાનગર પાલિકા
સ્ટ્રીટલાઇટ શાખા,
તા: ૧૫/૧૨/૨૦૧૫.

પ્રતિ,
મંત્રી શ્રી,
મહાનગર પાલિકા,
વડોદરા.

વિષય:- ભારત સરકારના સ્માર્ટ સિટી મિશનમાં વડોદરા શહેરને સમાવિષ્ટ કરવા માટે કન્સલ્ટન્ટ સાથે જરૂરી એગ્રીમેન્ટ કરવા, નાણાકીય વ્યવસ્થા કરવા, Special Purpose Vehicle સંગઠિત કરવા તેમજ આનુસંગિક દરેક પ્રકારની કાર્યવાહી કરવાની સત્તા મ્યુનિસિપલ કમિશ્નરશ્રીને આપવા બાબત.

ભારત સરકાર દ્વારા આગામી પાંચ વર્ષમાં ભારત ભરના ૧૦૦ શહેરોને સ્માર્ટ સિટી બનાવવા માટે મિશનનો પ્રારંભ કરવામાં આવેલ છે. પ્રથમ તબક્કામાં પસંદ કરવામાં આવેલ ૧૦૦ શહેરોમાં ગુજરાત રાજ્યમાંથી વડોદરા શહેરનો પણ સમાવેશ થયેલ છે.

સ્માર્ટ સિટીના અમલીકરણના કારણે શહેરના નાગરીકોના જીવનની ગુણવત્તાને સુદૃઢ બનાવી વધુ સારી બનાવશે જેમ કે સ્વચ્છ પર્યાવરણ, શુદ્ધ અને પુરતા પ્રમાણમાં પાણી પુરવઠો, સ્વચ્છતાની વિશેષતમ સગવડો, અવિરત વિજ પુરવઠો, અસરકારક ટ્રાફિક, વાહનવ્યવહાર અને શહેરી વાહનોની ગતિશીલતા, ગુણવત્તા સભર શિક્ષણ અને આરોગ્ય વિષયક સેવાઓ, સવિશેષ-અસરકારક અને લોકાભિમુખ મહાનગર સેવાઓ તે પણ ઇન્ફોર્મેશન ટેકનોલોજી (IT) ના ઉપયોગ કરી નિરાકરણ સહના ઉદ્દેશ પરિપૂર્ણ કરવાનો સ્માર્ટ સિટી મિશનનો હેતુ છે.

બીજા તબક્કામાં રાજ્યના પસંદગી કરેલ શહેરો વચ્ચે સ્પર્ધા કરી એક શહેરને સ્માર્ટ સિટી બનાવવા માટે પસંદગી કરવામાં આવનાર છે. જે માટે સ્માર્ટ સિટીની દરખાસ્ત તૈયાર કરવા માટે ગુજરાત સરકાર તરફથી મે.જે.એલ.એલ. કન્સલ્ટન્ટને નિયુક્ત કરવામાં આવેલ છે. જેઓને કન્સલ્ટન્ટ ચાર્જ તરીકે રૂ.૧૧.૪૦ લાખ ચુકવવાપાત્ર થાય છે. ભારતસરકારની સ્માર્ટ સિટી માટેની ગાઇડલાઇન મુજબ કન્સલ્ટન્ટ ચાર્જની રકમ ભારત સરકાર દ્વારા ગુજરાત સરકાર મારફતે કન્સલ્ટન્ટને ચુકવવામાં આવશે. સદર સ્માર્ટ સિટીની દરખાસ્ત તૈયાર કરવામાં શહેરીજનોના સુચનો/અભિપ્રાયો મંગાવવા વિવિધ પ્રકારે જાહેરાત કરી મીટીંગ, કોન્ફરન્સ, સ્પર્ધા વિગેરે કરવાની જરૂરિયાત રહેશે.

સ્માર્ટ સિટી યોજના અંતર્ગત PANCITY હેઠળ ૭ કામો તથા Area Based Development હેઠળ ૯ કામો મળી કુલ ૧૬ પ્રોજેક્ટ માટે આશરે રૂ. ૧૩૩૦.૦૦ કરોડનો હાલના તબક્કે ખર્ચ થવાનો અંદાજ છે. ઉપરોક્ત થનાર ખર્ચ પૈકી ભારત સરકાર દ્વારા ૫૦% ફાળો આપવામાં આવનાર છે, જ્યારે બાકી રહેલ ૫૦% રકમ ગુજરાત સરકાર અને વડોદરા મહાનગર પાલિકા એ ૨૫:૨૫ ના દરે ભોગવવાનો રહેશે. જેની વિગત આ સાથે સામેલ એનેક્સર-અ અને એનેક્સર-બ માં સામેલ છે. વધુમાં સ્માર્ટ સિટી યોજના હેઠળ નિયત થયેલ પ્રોજેક્ટ ના અમલીકરણ તેમજ વહીવટ માટે ગાઇડલાઇન મુજબ એક Special Purpose Vehicle (SPV) ની રચના કરવાની રહે છે.

આમ ઉપરોક્ત હકીકત જોવાઇ ભારત સરકારના સ્માર્ટ સિટી મિશનમાં વડોદરા શહેરને સમાવિષ્ટ કરવા માટે કન્સલ્ટન્ટ સાથે જરૂરી એગ્રીમેન્ટ, આનુસંગિક તેમજ સ્માર્ટ સિટી પ્રોજેક્ટ અંતર્ગત આજદિન સુધી થયેલ ખર્ચ/ખરીદી તેમજ હવે પછી થનાર ખર્ચ/ખરીદી તમામ પ્રકારના પ્રત્યાવાહી બાધ દૂર કરી દરેક પ્રકારની કાર્યવાહી કરવાની, Special Purpose Vehicle (SPV) ગઠિત કરવાની અને ઉપર જણાવેલ તમામ પ્રોજેક્ટનો કૂલ ખર્ચમાં કોઇ ફેરફાર થાય તો તેમા જરૂરી સુધારા વધારા કરવાની તમામ સત્તા મ્યુનિસિપલ કમિશ્નરશ્રીને આપવાની દરખાસ્તને વધારાના કામ તરીકે સ્થાયી સમિતી મારફત સમગ્ર સભાની મંજૂરી મેળવી આપવા વિનંતી છે.


મ્યુનિસિપલ કમિશ્નર
વડોદરા મહાનગર પાલિકા

Resolution of the Corporation/Council for setting up Special Purpose Vehicle:



વડોદરા મહાનગરપાલિકા

વડોદરા મહાનગરપાલિકાની ખાસ (સ્પેશીયલ) ટાકિદની સ્થાયી સમિતિ તા.૧૧-૧૨-૨૦૧૫ ના રોજ સવારના ૧૧-૦૦ વાગે ડૉ.હિતેન્દ્ર પ્રભુદાસ પટેલના અધ્યક્ષપણા નીચે મળી તેના ઠરાવની નકલ

વિગત	દરખાસ્ત તથા સુધારા		મત આપવામાં આવ્યો તે		ઠરાવ		તેજ વિષય ઉપર થયેલા ઠરાવના અંક તથા તારીખ		શેરો
	નામ (૧) દરખાસ્ત કરનારનું (૨) અનુમોદન આપનાર	દરખાસ્ત કે સુધારો કરવામાં આવ્યો તે	તરફેણમાં	વિરુદ્ધમાં	અનુક્રમ અંક તથા તારીખ	મતલબ	છેવટનો પાછલો ઠરાવ	આગળનો હવે પછી ઠરાવ થાય તે	
વિષય નં.૧ ભારત સરકારના સ્માર્ટ સિટી મિશનમાં વડોદરા શહેરને સમાવિષ્ટ કરવા માટે કન્સલ્ટન્ટ સાથે જરૂરી એગ્રીમેન્ટ કરવા, નાણાકીય વ્યવસ્થા કરવા, આનુસંગિક તેમજ સ્માર્ટ સિટી પ્રોજેક્ટ અંતર્ગત આજદિન સુધી થયેલ ખર્ચ / ખરીદી તેમજ હવે પછી થનાર ખર્ચ / ખરીદી તમામ પ્રકારના પ્રત્યાવાહી બાધ દૂર કરી દરેક પ્રકારની કાર્યવાહી કરવાની, Special Purpose Vehicle (SPV) ગઠીત કરવાની અને દરખાસ્તમાં જણાવેલ તમામ પ્રોજેક્ટના કુલ ખર્ચમાં કોઈ ફેરફાર થાય તો તેમા જરૂરી સુધારા વધારા કરવાની તમામ સત્તા મ્યુનિસિપલ કમિશનરશ્રીને આપવાની મંજૂરી આપવા અર્થે જી.પી.એમ.સી. એક્ટની જોગવાઈઓ મુજબ ખાસ (સ્પેશીયલ) ટાકિદની બેઠક બોલાવી તેને મંજૂરી આપવાની કમિશનરશ્રીની ભલામણને મંજૂરી આપવા બાબત.	શ્રી સ્પિ.સં.પટેલ શ્રી ગી.ભૂ.પટેલ	કામના કાગળો જોયાં. ચર્ચા-વિચારણા કરી. કમિશનરશ્રીની ભલામણ મંજૂર કરવાનું ઠરાવવામાં આવે છે. સામાન્ય સભાની મંજૂરીની અપેક્ષાએ મંજૂરી આપવામાં આવે છે. ખરી નકલ <i>alok</i> મ્યુનિસિપલ સેક્રેટરી વડોદરા મહાનગર પાલિકા વડોદરા.	૧૧	-	૪૫૮ ૧૧-૧૨-૨૦૧૫	સ.મતે કો.૩ માં લખ્યા પ્રમાણે ઠરાવ્યું.			