



CORPORATION
OF THE CITY OF
PANAJI



PANAJI SMART CITY

P R O P O S A L

ANNEXURE 2

		ANSWER TO QUESTION NO. 7			ANSWER TO QUESTION NO. 8		
A	B	C	D	E	F	G	H
Feature	Definition	Applicable scenario	Self-assessment for the full city 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 based on the city vision and strategic blueprint	Input/initiative that would move the city from its current status to advanced status (Scenario 4: Column G)	
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)	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.	Scenario 3: (i) Frequent citizen consultation and outreach (ii) Periodic meetings of the stakeholder committee to integrate citizens' views on various initiatives and issues (iii) Important information online (iv) fortnightly e-newsletter	(i) Council resolution to formalize stakeholder committee (ii) Citizen Report Card (iii) Report on minutes and action taken at ward meetings (iv) Grievances / organized protests (v) Registry of citizens' engaged with during public hours - Mayor/Commissioner	(i) The city aspires to be citizen responsive and institutionalize participatory planning, budgeting and monitoring - achieve 25% engagement through ward and city level meetings. (ii) The city administration wants to gain the confidence and trust of all citizens and integrate their views in all aspects of governance	(i) Institutionalizing participatory planning, budgeting and monitoring (ii) Interactive e-governance platforms, online apps for service monitoring and complaint redressal, face-to-face interactions with citizens (iii) Citizen interaction through queries posted on website, dropped at the CCP in writing or SMS to a message center that are taken up on monthly "open meeting with Mayor/Commissioner"	
2. Identity & 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 an 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)	Historic and cultural heritage resources are preserved and utilised and their surroundings are well-maintained. Public spaces, public buildings and amenities reflect the cultural identity of the city	Scenario 3: (i) Built, natural heritage and culture documented and promoted (ii) Public spaces reflect culture and tradition of city (iii) Periodic cultural fests and events organized (iv) Spatial information on related plans available online (v) Determined and preserved heritage conservation zones in the city	(i) Budget allocation for heritage culture and natural environment preservation (ii) Master plan integrates relevant action (iii) numerous festivals, cultural and promotional events organized (iv) large number of domestic, national & international participants in events/festivals (v) Revenue from tourism and hospitality industry (vi) reports from number of organizations involved in related activities	(i) The city aspires to preserve, promote and celebrate its unique historical identity and culture (ii) The city aspires to improve maintenance and promotion of its heritage and culture through all means including digital fora	(i) Rejuvenation and activation of public spaces/ squares, gardens, parks, springs and cultural centres. (ii) Ease of access for persons with special needs. (iii) Pedestrianization to increase footfalls (iv) Digital interactive signages (information, caution, direction), interactive digital maps in kiosks, web-based applications (v) Establishment of center for arts, artisans and culture (vi) Upgradation of conservation zone and comprehensive heritage conservation guidelines/bye-laws (vi) Set-up of a heritage cell in CCP	
3. Economy & 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 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.	Scenario 2: (i) Tourism and hospitality industry contribute 33% to state GDP and 1500 crore in taxes (ii) Over 50% GDP is from tertiary sector (iii) Increasing work participation rate (iv) Appx. 12000 large, small and medium enterprises (v) Panaji received 1,13,6861 tourists (6.90 and 4.45 lac domestic and foreign tourist respectively) 3% average annual increase in tourist inflow (vi) 157 Hotel with 3080 rooms in Panaji	(i) %employment rate (ii) Number of expos/trade fairs and trade and commercial events (iii) Investment in tourism (iv) Number of new hotels and guest houses/tourist facilities	The city aspires to: (i) provide designated commercial, trade areas, (ii) improve basic infrastructure and services and (iii) increase income from tourism through encouragement and provision of world class tourist facilities focused on sustainability	(i) Economic improvement and increase in employment through provision of sustainable tourism services – (ii) improved accessibility and mobility through high technology parking, public transport pedestrianization and public bike share programmes	

		ANSWER TO QUESTION NO. 7		ANSWER TO QUESTION NO. 8		
A	B	C	D	E	F	
Feature	Definition	Applicable scenario	Self-assessment for the full city 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 based on the city vision and strategic blueprint	
4.	Education	A Smart City offers schooling and educational opportunities for all children in the city (Guideline 2.5.10)	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 education facilities. Few high level institutions such as Goa college of architecture, Goa University, Goa Institute of Management exist in the city. Other higher education facilities exist in neighbouring cities such as BITS at Vasco and IIT is operating from GEC-Ponda.	Scenario 2: (i) 87% literacy rate (ii) Adequate educational institutions and infrastructure per URDPFI norms	Number of education institutions existing in the city based on district level data available.	(i) The city aspires to provide market oriented education and skills for all its citizens and provide adequate and affordable educational services (ii) Improvement in quality of education in the existing higher education institutes in the city and its vicinity
5.	Health	A Smart City provides access to healthcare for all its citizens. (Guideline 2.5.10)	City provides adequate health facilities within easily reachable distance for all the residential areas and job centers of the city. It has an emergency response system that connects with ambulance services.	Scenario 3: (i) Progressive Human Development Index well above national average (ii) Adequate health facilities and medical institutes (iii) Inadequate dispensaries, polyclinics and veterinary hospitals	(i) 0.38% contribution of health dept to total investment (ii) one dispensary for every 15000 population (iii) 2 Child welfare and Maternity Nursing Home for 45000-100000 population (iii) 1 polyclinic per 100000 population (iv) 1 GH per 250000 population (v) 1 UHC per 0.5 lakh population	(i) Improving basic services for better public and environmental health - specifically reducing transport related pollution and ensuring sanitation through appropriate treatment of solid waste and waste water
6.	Mixed Use	A Smart City has different kinds of land uses in the same places, such as offices, housing, and shops, clustered together (Guidelines 3.1.2 and 3.1.2)	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 uses, but exceptions are made when requested.	Scenario 2: (i) Residential, commercial, public and semi public facilities are adequate and exceed national norms (ii) Recreational, industrial and transportation facilities fall short of national norms and are to be improved (iii) Dedicated institutional area (Patto) H26	(i) 40-45% land for recreational use (ii) 3-4% commercial use (iii) 8-10% industrial use (iv) 10-12% semi public and public use (v) 18-20% for recreational use (vi) 12-14% for transportation.	(i) Initiatives to control development along banks of the river (ii) Enhancing green cover and biodiversity, linking biodiversity and citizens through People's Biodiversity Register (iii) Retaining and promoting the existing mixed use character of the core city, enhancing it further by improving people's mobility.

		ANSWER TO QUESTION NO. 7			ANSWER TO QUESTION NO. 8		
A	B	C	D	E	F	G	H
Feature	Definition	Applicable scenario	Self-assessment for the full city 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 based on the city vision and strategic blueprint	Input/initiative that would move the city from its current status to advanced status (Scenario 4: Column G)	
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 neighborhoods. (Guidelines 2.3 and 5.2)	The city has some 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. Remaining city consists of areas where buildings are spread out and difficult to walk between, sometimes with low-density per hectare. Regulations for new development tend to favour buildings that are separated from one another, with lots of parking at the base and setback from the streets. New formal developments at the periphery tend to be large-scale residential developments, often enclosed with a gate and oriented to the automobile.	Scenario 2: (i) Compact settlement and good interconnectivity overall with the exception of certain pockets (ii) Even density	(i) Trip time (ii) Pedestrian movement in the CBD (iii) Parking policy and availability of parking spaces (iv) Population weighted density	The city aspires for: (1) Public transit system is well developed, incentivising citizens to limit use of private transport (ii) Parking is managed well (iii) Infrastructure to promote walking and cycling (iv) Well connected areas within the city through a well networked public transport system. (v) Variable Messaging System (IT enabled)	(i) introduction of a parking management system to reduce tourist influx in private transport (ii) Reliable public bus facilities to transport tourists and residents, specifically connecting parking bays to the core area, heritage areas and areas of tourist importance (iii) Improved pedestrianization and cycling facilities
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)	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.	Scenario 3: (1) Adequate public and open spaces in housing area parks, neighbourhood parks and community parks (ii) Higher than URDPFI norms (iii) Good utilization of open spaces during holidays and evenings	13.64% as against 10-12 present based on revised GDP from 2015	The city aspires to: (i) Connect existing green spaces with walkways and cycle tracks. (ii) Provide green and clean spaces for community cohesion and recreation, accessible to all its citizens (iii) Sports facilities and open air gyms	(i) Rejuvenation and revitalization of open public spaces for recreation, celebration of heritage and culture (ii) Interventions to promote pedestrianization, promenade development and improving fountains, parks and gardens (iii) Use of ICT to enhance footfalls in open areas by organizing festivals, events and (iv) create infrastructure to increase accessibility to all including citizens with special needs (v) Promote Non-motorized Zones and pedestrian friendly zones
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 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.	Of the total housing stock 79% housing classified as 'Good', 20% as 'Liveable' and 1% as 'Disapidated'. This represents an increase of 43.2% good quality and 18.9% liveable quality housing from 2001. Retrofit slum-like areas with common conduits for basic services i.e. water, sewerage, drainage and electricity.	(i) % good housing stock (ii) Ward level surveys (iii) Property tax assessment and collection (iii) coverage of municipal services and infrastructure provision	The city aspires for: (i) Affordable housing for all (ii) Provision of municipal services at par with specified standards, irrespective of economic status of the resident population	(i) Upgradation of basic amenities in pockets of urban poor (ii) Common conduits for service provision, delinked from tenure (iii) GIS based mapping to manage service provision, revenue collection and facilitate citizen complaint redressal (iv) All housing to be linked to public water supply, sewage treatment, piped gas supply, 100% power supply

		ANSWER TO QUESTION NO. 7		ANSWER TO QUESTION NO. 8		
A	B	C	D	E	F	
Feature	Definition	Applicable scenario	Self-assessment for the full city 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 based on the city vision and strategic blueprint	
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)	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.	Scenario 2: (i) 3.6% of area covered by road network to be increased (ii) 3 to 4 m. width single to four lanes (iv) Mode share of transit: 14% public transit and 1% bi-cycling	(i) Increase in mode share of public transit, cycling and walking (ii) Modeshift from private transport to public transport - buses and ferries (iii) Provision of public transport connected parking facilities (iv) Intermediate Private Transport (IPT) modes of travel (autos, taxis) are easily accessible to citizens	(i) effective and enhanced multi-modal public transport network, (ii) Easy access to IPT modes (autos, taxis, motor bike taxis, called pilots) (iii) Pedestrian and cycling friendly roads (iii) Disincentivize private vehicles through parking charges
11.	Walkable	A Smart City's roads are designed equally 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)	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 separating them from the street; and sometimes are enclosed by gates. In these areas, traffic signals are disobeyed.	Scenario 2: Potential for enhanced pedestrian movements in core business district	(i) Pedestrian Accessible buildings (ii) Pedestrian friendly walkways (iii) On-street parking not allowed	(i) The city aspires for a scenario wherein the entire city is walkable. With well maintained pavements on each street, along with trees lining the sidewalks to provide shade to the pedestrians. (ii) The buildings in the city should be more easily accessible from the sidewalk (iii) There should be existence of a network of bike lanes within the city along with increased man power in the traffic department for effective enforcement of traffic regulations.
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)	The city has made plans to provide high speed internet connectivity through the existing framework.	Scenario 2: (i) Over 10000 subscriber based for broadband , smartphones connections (ii) Fibre to home services to be rolled out (iii) Free wi-fi not available	(i) Data from service providers on smart phone penetration and broadband connections in homes and institutions (ii) Increase in citizen apps to enhance utility of IT connectivity for municipal service improvement	Setting up of wi-fi hot spots, internet kiosks and improved overall connectivity
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)	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.	Scenario 2: (i) Spatial information on surveys and plans available (ii) Property tax can be paid online (iii) Web portal of CCP, e-newsletter (iv) biometric attendance (vi) DPR for E-Governance (v) IES for transportation and solid waste management	(i) All citizen services (GoC) are available, online and accessible to citizens through citizen service kiosks (ii) All municipal service related information is displayed realtime on the CCP website (integration with parastatal systems)	Implementation of E-Governance solutions (i) Smart Metering (ii) Sensor based street lighting (iii) Real time monitoring or waste movement and treatment (iv) Citizen Facilitation Centres (v) Real time transportation data through a web enabled tourist information app (vi) web-enabled management services

ANSWER TO QUESTION NO. 8

H

Input/initiative that would move the city from its current status to advanced status (Scenario 4: Column G)

		ANSWER TO QUESTION NO. 7		ANSWER TO QUESTION NO. 8			
A	B	C	D	E	F	G	H
Feature	Definition	Applicable scenario	Self-assessment for the full city 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 based on the city vision and strategic blueprint	Input/initiative that would move the city from its current status to advanced status (Scenario 4: Column G)	
14. Energy Supply	A Smart City has reliable, 24/7 electricity supply with no delays in requested hookups. (Guideline 2.4)	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.	Scenario 2: Electricity: 2013-14: Electricity Supply 91.8 Million kWh and demand was 99.14 Million kWh (8% gap) (77,498 tonnes of CO2e) Per capita: 2,231 kWh Commercial/Institutional (57%); Residential (42%) No scheduled outages. 6 hours unscheduled outage/month. Energy Use: Total: 1,195,016GJ	(i) Reduction in T&D/AT&C losses (present levels is 14% approx)	(i) Uninterrupted power supply (ii) Reduction in T&D losses	(i) Implementation of Smart Grid will reduce T&D losses and ensure uninterrupted power supply (ii) Reduction in energy demand through LED street lighting and energy efficient municipal market	
15. Energy Source	A Smart City has at least 10% of its electricity generated by renewables. (Guideline 6.2)	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.	Scenario 2: Top sources in order of consumption are petrol, electricity and diesel. Transport sector uses 68%.	(i) Increase in share of renewable energy in total energy mix (ii) Reduction in GHG emissions due to decreased energy use per person (iii) Reduction in energy intensity of municipal service provision (iv) Increase in use of CNG for transport and PNG for cooking purposes	(i) The city aspires to meet 10% of its energy consumption from renewable sources and carry out energy reduction measures (ii) 10% reduction in energy consumption through RE and EE measures, leading to a 14% reduction in GHG emissions by 2019-20 (from 2013-14 baseline) (ii) Commercial outlets provided for sale of CNG for transport (iii) PNG supply and network ensured to cover 100% city	(i) Implementation of Solar Master Plan (ii) Implementation of initiatives mentioned in Low Emission Development strategies - energy efficient street lighting, waste to energy, solar water heaters, efficient water pumping systems, energy efficient appliances, ecomobility (iii) Introduction of clean fuels (iv) Green Building certification as per GRIHA rating (v) Implementation of ECRC guidelines (vi) 2 MW solar power installation - sanctioned by MNRE	
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 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%.	Scenario 2: (i) 100% network coverage (ii) 198 lpcd (iii) 100% conventional metering, (iv) Average daily supply: 6 hours (v) Collection efficiency 75% (vi) NRW 35% (ii) Implementation: New intake structure at Opa headworks, 50 MLD Water Treatment Plant at Curti	(i) % network coverage (ii) IPCD (iii) % metering (iv) Continuity of supply (v) Revenue collection efficiency (vi) NRW%	(i) Maintain 100% coverage of quality water as per national standards (ii) 24 x 7 water supply (iii) Water supply maintained at 198 lpcd (iv) NRW below 20% (v) 100% revenue collection	(i) Network rehabilitation & additional provision, asset management, leak detection, cost recovery, increased connections as per demand (ii) Monitoring of continuous water supply with smart metering and SCADA based management (iii) E-governance linked to revenue collection and (iv) Real time monitoring of service quality and quantity available to citizens through SCADA linked to MIS systems (created under E-governance platforms)	

		ANSWER TO QUESTION NO. 7			ANSWER TO QUESTION NO. 8		
A	B	C	D	E	F	G	H
Feature	Definition	Applicable scenario	Self-assessment for the full city 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 based on the city vision and strategic blueprint	Input/initiative that would move the city from its current status to advanced status (Scenario 4: Column G)	
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 has meters for all its water supply but lacks mechanisms to monitor. Water wastage is very high. Some, but not much, rainwater harvesting exists.	Scenario 2: (i) Water management and conservation practices inadequate (ii) Training for functionalities on water management and water quality	Current practices inadequate, NRW%	The city aspires to institutionalize practices and codes for water conservation and integrated water management	Enhancement of green cover and rainwater harvesting programme. Rehabilitation of storm, sewer and water supply networks, leak detection and smart metering	
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.	Scenario 1: (i) 85% sewage network coverage (ii) 67% sewage collection efficiency (iii) Inadequate treatment capacity	% sewerage connections	(i) 85% connectivity of all properties to the sewage network (ii) The city aspires for a scenario where all wastewater is safely treated to reuseable standards	(i) Vacuum sewers in unconnected/ poor network condition areas (ii) Rehabilitation of sewer and drain networks (iii) Increase in property connectivity to sewage network through new lines (iv) Upgrading to tertiary treatment to facilitate reuse	
19. Air Quality	A Smart City has air quality that always meets international safety standards. (Guideline 2.4.8)	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.	Scenario 2: (i) Plans to mitigate air pollution and improve air quality standards and introduce monitoring (ii)	(i) Reduction in GHG emissions in transport, waste and municipal services provision (ii) Switch to cleaner fuels in transport (iii) Promotion of community based measures for reduced energy use translating to lower emissions	(i) The city aspires for a scenario where air quality standards meet international norms (ii) The city aspires to reduce GHG emissions by close to 20% by 2019-20	(i) Implementation of Low Emission Development strategies covering all municipal sectors and community based interventions - focus on waste disposal, transport, renewable energy and energy efficiency (ii) Increased green cover (iii) Real time monitoring and display of air quality	
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)	The city promotes energy efficiency and some new buildings install energy efficiency systems that track and monitor energy use and savings.	Scenario 2: Energy saving target for 5 years - Renewable energy 42 MU and energy efficiency measures 15.25 MU	(i) Energy savings from reduction in demand for conventional energy (ii) Energy savings from undertaking energy efficiency measures	(i) Reduction in energy consumption: 9.5% (over 2013-14 values) by 2019-20 (ii) Reduced expenditure on power and (iii) 100% LED street lighting	(i) Implementation of Energy efficiency measures in Panaji Low Emission Development strategy (2015) and solar master plan (ii) Smart Grid to reduce T&D losses and ensure uninterrupted supply (iii) Energy efficient street lighting and public space lighting (iv) Energy Efficient lighting and distribution of power in municipal market	
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)	More than 90% of the city has underground electric wiring system.	Scenario 4: Over 90 per cent of the city covered by underground electric cabling	% underground electric cabling	The city aspires for 100 per cent coverage.	The city proposes for underground cabling for electric wires as well	

		ANSWER TO QUESTION NO. 7		ANSWER TO QUESTION NO. 8			
A	B	C	D	E	F		
Feature	Definition	Applicable scenario	Self-assessment for the full city 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 based on the city vision and strategic blueprint		
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)	Sanitation facilities are available to 70% of the city's population.	Scenario 2: (i) High coverage of individual toilets but better public facilities required (ii) 16 public toilets with only 5 having bathing facility (iii) Only 34 seats for women (iv) Community toilet facilities inadequate (v) Limited carrying capacity of sewer (v) Improved maintenance required	(i) Public Toilet On roads and for open areas: @ every 1 Km Toilets shall be disabled-friendly and in 50-50 ratio (M/F). (ii) Signage, Help line number and women attendants. Alternatively automatic cleaning cycle	The city aspires for upgradation of the public toilets and look beyond the existing Sulabh model.	Upgradation and construction of gender friendly disabled friendly and accessible public toilets per norms well maintained .
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 generated is usually collected but not segregated. Recycling is attempted by difficult to implement.	Scenario 2: (i) 100% coverage and collection efficiency and two-way segregation. (ii) 70% treatment. (iii) 17.2 % cost recovery. (iv) Biodegradable waste processed in composting facility and OCWs. Dry waste recycled/sold. (v) Bin-free and landfill-free city.	(i) % coverage (ii) % collection efficiency (iii) % segregation (iv) extent of scientific treatment and disposal	(i) 100% segregated collection from door-step (ii) Paper, plastic, cardboard fractions, metal, glass, styrofoam, tetrapak, cloth: 100% recycling. (iii) High calorific value waste not amenable to recycling; 100% transfer for co-processing in cement plant (iv) treatment of biodegradable waste (100%) through biomethanation	(i) Route optimization (ii) 2 way segregation to 4-way segregation; 4 - way segregation to 8 way segregation: enforced in all areas (iii) More litter bins (iv) Upgraded treatment systems (v) 10% increase in cost recovery (vi) ITES MIS: Smart applications through ICT proposed for service monitoring and complaint redressal
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 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.	Scenario 3: (i) Helpline for Women's Safety by Goa Police and Kadamba Transport Corporation (ii) Cab services for women (iii) CCTV camera surveillance at vantage point (iv) Special tourist police force formed (v) Regular police patrol in all areas (vi) Rationalizing size level of pavements to ensure pedestrian safety (vii) Citizen patrol for road safety	(i) Helpline services turnaround (ii) Technologies used to assist crime prevention CCTV (live streaming), video surveillance, predictive crime prevention applications (iii) Community policing and citizen apps (iv) % coverage of street lighting at night (v) Crime - Incidents per annum	(i) All residents and visitors/tourists are safe during all hours of the day (ii) Crime prevention technologies in place including citizen apps enablement (iii) Effective community policing (iv) Women commuters and pedestrians feel safe and comfortable (v) Effective safe and comfortable public transportation systems (vi) 24 hour interactive help lines in place	(i) CCTV surveillance (ii) Centralized control rooms and increased police patrolling



CORPORATION
OF THE CITY OF
PANAJI



PANAJI SMART CITY

P R O P O S A L

ANNEXURE 3

INDEX

3.1 PERT Chart for Area Based Proposals & Pan City Proposals (Q. 32)

3.2 SPV Relationships with Government, Non-Government & other entities (Q. 34)

3.3 Organogram of SPV (Q. 36)

3.3 (a) Organogram of SPV (Q. 36)

3.4 (a) Citizen Engagement

3.4 (b) Citizen Engagement

3.5 Panaji Smart City: City Profile and Area Based Development Boundary

3.6 Area Based Development Proposals: Church Square Revitalization

**3.7 (a) Area Based Development Proposals: Interlinking Core City & Patto Area -
Upgradation of Ourem Creek & Patto Area**

**3.7 (b) Area Based Development Proposals: Interlinking Core City & Patto Area :
Mala Lake Revitalization**

3.8 Area Based Development Proposals : Integrated Urban Water Management (IUWM)

**3.9 Area Based Development Proposals: Service Improvement for Urban Poor in
Mala Heritage Zone**

**3.10 Area Based Development Proposals: Provision of 'Smart' layer &
improvement for Entire Area Based Development**

3.11 Area Based Development Proposals: Conservation of Heritage & Culture

3.12 Area Based Development Proposals: Biodiversity Conservation








3.13 Details of Pan City Proposals: Smart Transportation & Eco Mobility

3.14 Details of Pan City Proposals: Smart Environmental Services

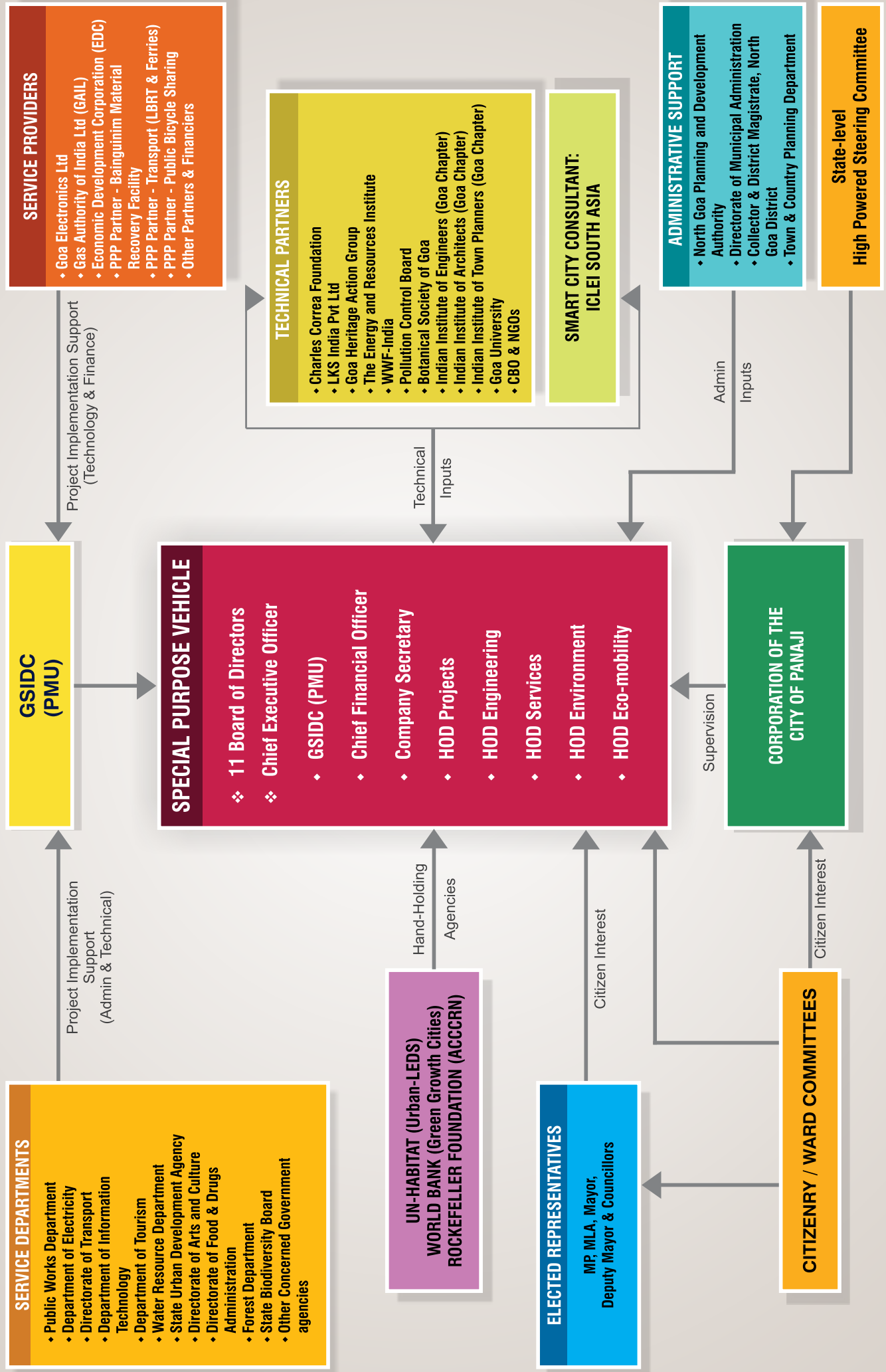
3.15 Financial Summary of Panaji Smart City Proposal

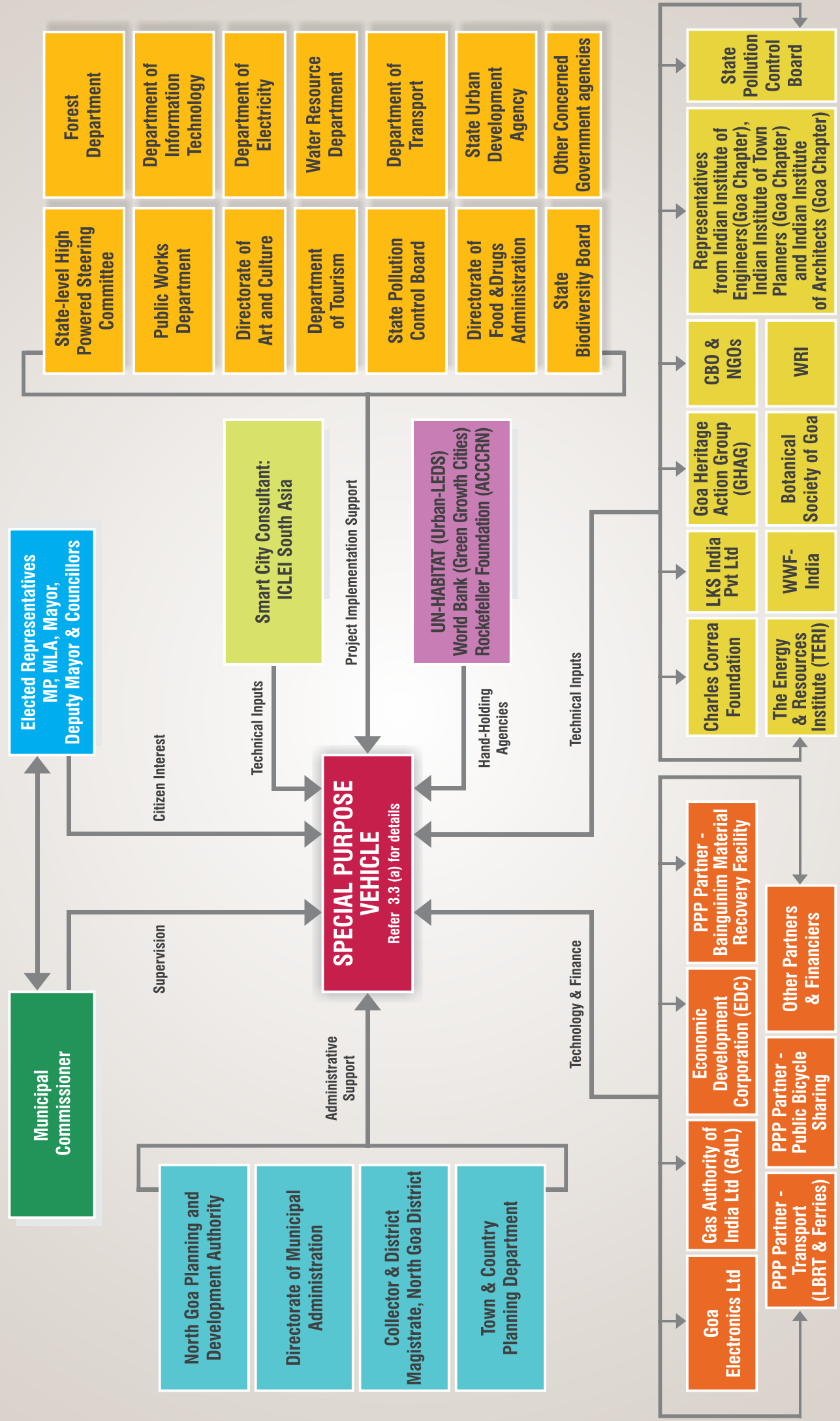
3.16 Revenue Generation from ABD & Pan City Proposals

3.17 Convergence of Smart City Proposal with Govt. Schemes & Other Funding Sources

	2016	2017	2018	2019	2020	
AREA BASED						
 Church Square Revitalization	Realignment of traffic along Church square					
	Pay parking					
	DPR and tendering					
	Digital information boards, CCTV, wifi hotspots, citizen cum tourist facilitation centre					
	Pedestrianization and Artists' zone at Bhosle square					
	Church square pedestrianization and infrastructure upgradation					
			Pedestrianization and open street cafes on 18th June road			
	DPR and tendering					
 Interlinking Core city and Patto area		Goa centre for Art, Culture and Skill Development (GCACSD) with microenterprise incubation centre and training centre for arts and crafts, Jetty / Terminal building				
			Creek side promenade and cafes			
	Upgradation of existing bridge	2 new pedestrian bridges, Vehicular road bridge over creek				
	CCTV, Wifi hotspots, citizen cum tourist facilitation centre					
		Cultural festivals at Patto cultural zone				
Real time water quality monitoring of Mala Lake			Mala lake revitalization			
DPR and tendering	Water management (Supply network upgradation, smart metering, SCADA, GIS)					
	Wastewater management (Vacuum sewer in low lying areas of Mala and Patto & Upgradation of Patto STP, Treated wastewater reuse)					
	Storm Water management (Revival of Boca de Vaca & Fonte Phoenix & catchment conservation of springs, Real time water quality monitoring of Creek, 5000 tree initiative)					
	Storm Water management (Mala Flood control)					
	DPR and tendering					
	Improvement of Altinho steps for improved connectivity across contours					
	Designated parking free roads in Fontainhas heritage area					
	Combined utility trench, service provision, roads and pavements					
 Urban Poor	DPR and tendering	Road improvement, universally accessible walkways and street furniture				
		Combined utility trench for water, gas, telecom and electricity				
		Telecom network, electricity network, CNG/PNG network, Drainage and sewerage network				
		Ecomobility: Mini buses, Public Bike sharing				
		0.5 MW roof top solar PV	Improved open spaces & provision of public toilets			
 Service provision	DPR and tendering	Adaptive reuse of Old Secretariat				
	Conservation plan and heritage guidelines					
	Constitution of Heritage cell					
	Heritage walk, GIS database for heritage, crowdsourcing					
	Policy to promote CSR based adoption of heritage structures and stretches					
 Conservation	Signage policy, signage provision and revision of building byelaws					
	Butterfly garden and bamboo corner in Joggers Park	Mangrove plantation in Creek / Boardwalk along Mangroves			Lake restoration, butterfly garden & herbal garden in Mala Lake	
	Quality of life assessment study, Future conservation leaders					
	PAN CITY					
	 Smart Transportation and Eco Mobility	Digitally enabled public bike sharing system				
Smart bus (light BRT) & ferry lines						
Smart card for multi modal transport						
 Smart Environmental Services	Smart parking system (collection of fees from existing parking area to be ensured)					
	Intelligent transport system for traffic management, air quality monitoring stations					
	ICT solutions for MSW Collection RFID based, CCTV surveillance					
	ICT solutions for Fleet management-GPS/GPRS based					
	ICT solutions for management of Personnel-biometric attendance					
	Web & mobile platforms for citizen interface & feedback					
	ICT solutions for Material Recovery Facility & Resource Centre - SCADA / PLC, MIS					

 Key Milestones





Associated Partners



FAST TRACK NEWS CLIPS

पणजी स्मार्ट सिटीसाठी नव्याने प्रस्ताव

पणजी नगरपालिका (PCCP) ने नवीन स्मार्ट सिटी प्रस्ताव तयार केला आहे. या प्रस्तावात नगरपालिकेच्या विकासासाठी अनेक सुचना आहेत. या प्रस्तावाचा अंमलबजावणीसाठी नगरपालिकेच्या विकासासाठी अनेक सुचना आहेत. या प्रस्तावाचा अंमलबजावणीसाठी नगरपालिकेच्या विकासासाठी अनेक सुचना आहेत.

Panaji to study successful smart city proposals

Times News Network
Panaji: Preparing for the fast track round, the Panaji Smart City core team, has begun to study successful smart city proposals submitted by other cities. The newly formed Panaji Smart City Corporation (PCCP) is set to launch a mission to study successful smart city proposals submitted by other cities. The PCCP is set to launch a mission to study successful smart city proposals submitted by other cities.

Smart proposal 2.0 veers around transport, waste

THE GOAN TRIBUNE
The Smart City proposal 2.0 is expected to be submitted to the state government in the next few days. The proposal focuses on transport and waste management. The proposal focuses on transport and waste management.

CCP meeting approves improvised Smart City proposal

THE GOAN TRIBUNE
The Smart City Core Team (CCP) has approved an improvised proposal for the Smart City project. The proposal focuses on transport and waste management. The proposal focuses on transport and waste management.

Panaji invited to fast track its Smart City proposal

THE GOAN TRIBUNE
Panaji is among the 23 cities that were invited to submit their Smart City proposals to the state government. The proposal focuses on transport and waste management. The proposal focuses on transport and waste management.

Smart Information System Public BicycleSharing CCTVCCTV Surveillance App RFID Tagged WIFI Zone Pedestrian Friendly Walkways LED Streetlighting

Smart Information System
Public BicycleSharing
CCTVCCTV Surveillance
App RFID Tagged
WIFI Zone Pedestrian Friendly Walkways
LED Streetlighting

FAST TRACK PHOTO GALLERY



ONLINE

Emails **413** | Tweets **160** | YouTube Views **132**

myGOV **67** | Likes **543+** | Posts & Comments **103** | Shares **98**

Polls & Discussions | Fast Track Whatsapp Groups

KEY TOPICS

Smart Information System Public BicycleSharing CCTVCCTV Surveillance App RFID Tagged WIFI Zone Pedestrian Friendly Walkways LED Streetlighting

Waste Monitoring System Smart Parking Technology

OFFLINE

Focus Group Discussions | Stakeholder Consultation Workshop

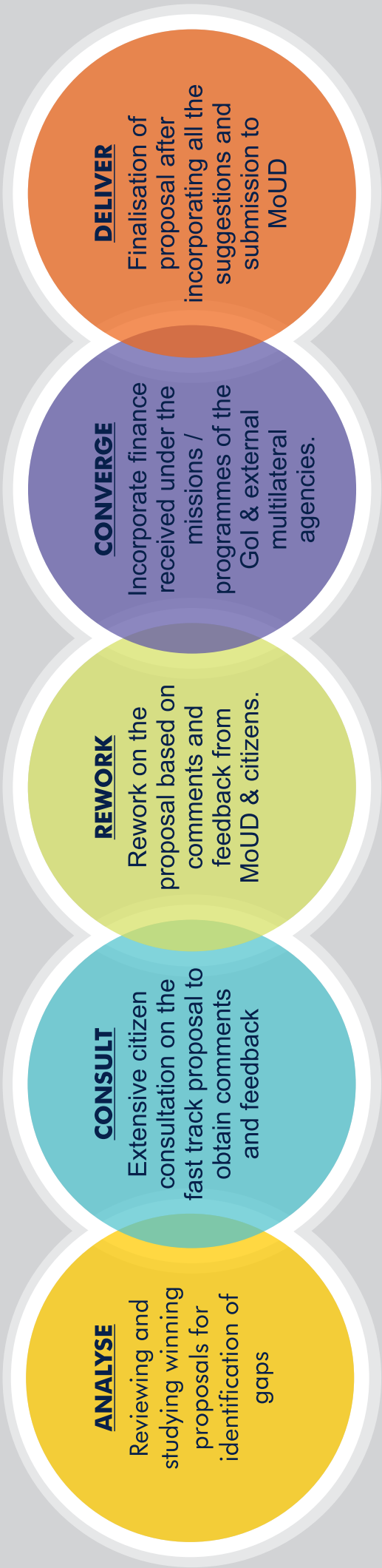
Press Conferences | 127 Citizens

OUTREACH | Radio | Social media 72086 | News-print/online 244 articles | Website 5521 | 54,000 readership

Associated Partners



DEVELOPMENT STRATEGY (FAST TRACK MODE)



CITIZEN ENGAGEMENT (ROUND1 & FAST TRACK MODE)

ONLINE ENGAGEMENT

Downloads **100** Ideas **132** Mobile app

Shares **285** | Posts & Comments **299** | Likes **1213** | Emails **496**

Imagine Panaji Website **69** Inputs | Tweets **248**

News-print/online reach **639** articles | Social media Outreach **142537**

myGOV 242 Polls and Discussions

OFFLINE ENGAGEMENT

Questionnaires : citizen response **13,775**

College interactions **794** Students

Sample Household Survey in Area Based Divpt. **848**

Focus Group Discussions **254** citizens

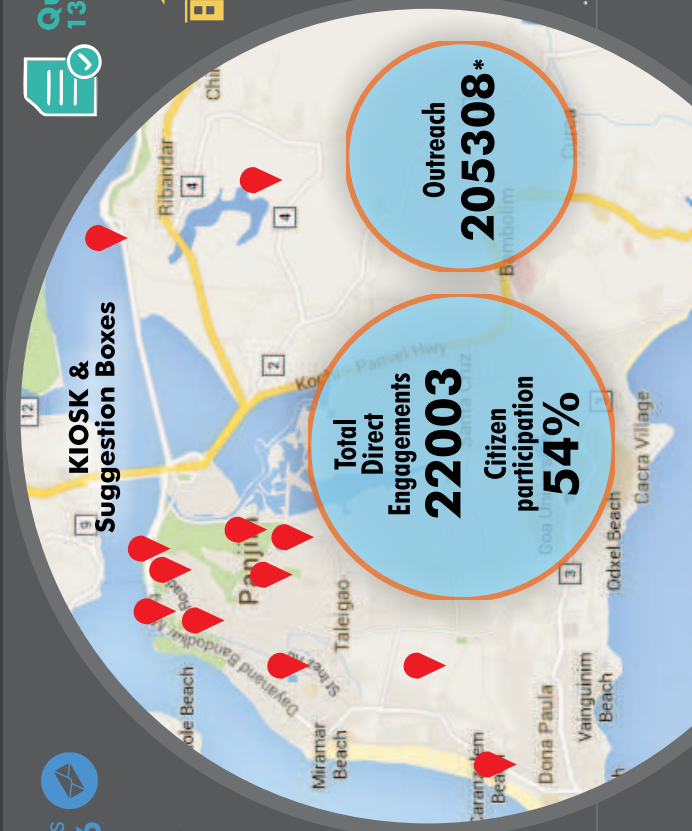
Zonal and Slum area engagement with mobile van **104** citizens

Cycle rally **60** participants

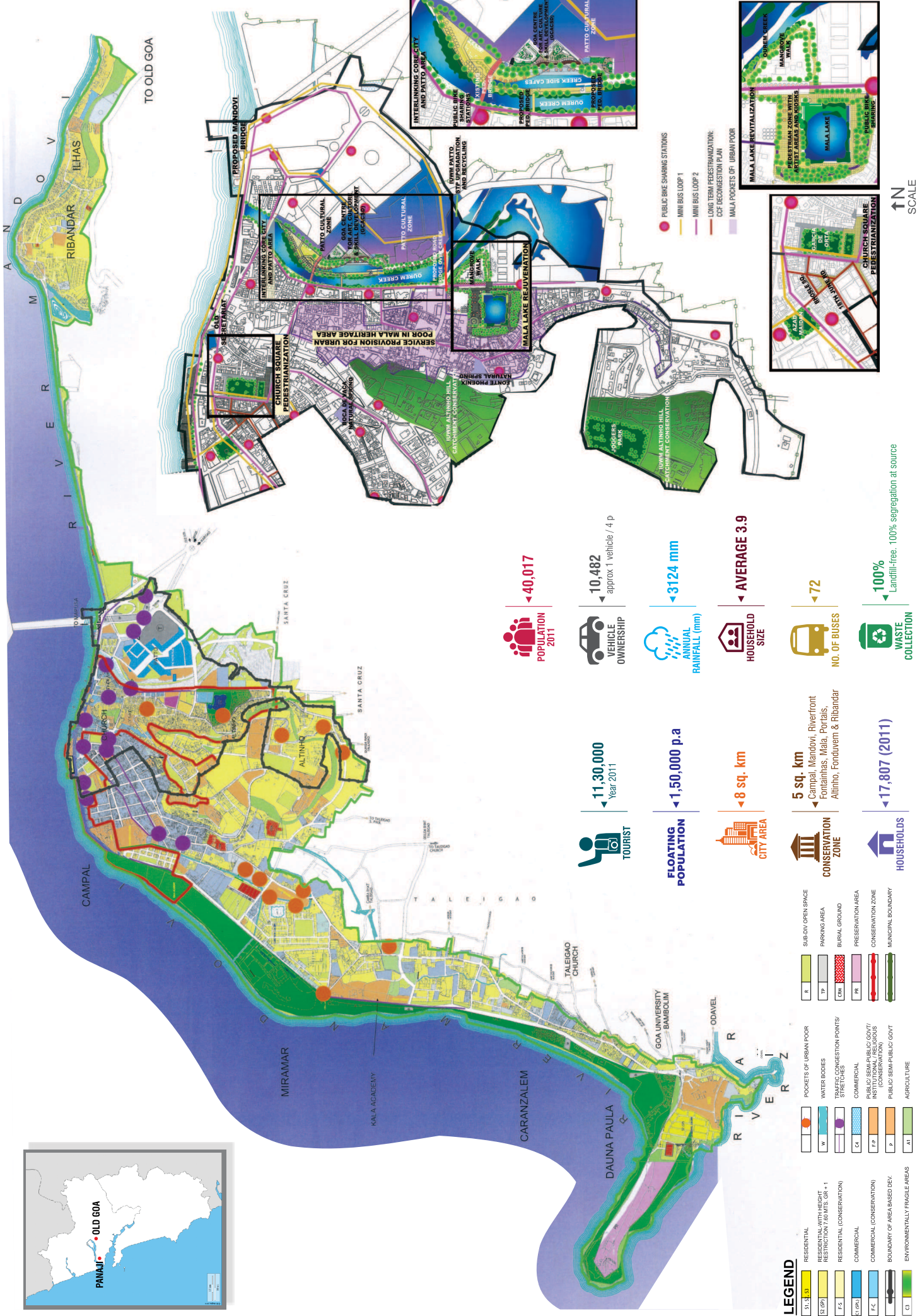
STAKEHOLDER CONSULTATION WORKSHOPS **889** citizens

2 Petitions
Cycle Rally & FC Goa

Essay Competition **1522** Entries



*Mediums: radio, social media, website, print article, leaderships



POPULATION 2011	< 40,017
VEHICLE OWNERSHIP	< 10,482 approx 1 vehicle / 4 p
ANNUAL RAINFALL (mm)	< 3124 mm
HOUSEHOLD SIZE	< AVERAGE 3.9
NO. OF BUSES	< 72
WASTE COLLECTION	< 100% Landfill-free. 100% segregation at source
TOURIST	< 11,30,000 Year 2011
FLOATING POPULATION	< 1,50,000 p.a
CITY AREA	< 8 sq. km
CONSERVATION ZONE	5 sq. km Campal, Mandovi, Riverfront, Fontainhas, Mala, Portais, Altinho, Fondavem & Ribandar
HOUSEHOLDS	< 17,807 (2011)

LEGEND

RESIDENTIAL WITH HEIGHT (RES HEIGHT) (RHS. OR -1)	POCKETS OF URBAN POOR	WATER BODIES	TRAFFIC CONGESTION POINTS (STRETCHES)	COMMERCIAL	PUBLIC/SEMI-PUBLIC GOVT (CONSERVATION)	AGRICULTURE
RESIDENTIAL (CONSERVATION)	PRESERVATION AREA	COMMERCIAL (CONSERVATION)	PUBLIC/SEMI-PUBLIC GOVT (CONSERVATION)	BOUNDARY OF AREA BASED DEV.	ENVIRONMENTALLY FRAGILE AREAS	
COMMERCIAL	MUNICIPAL BOUNDARY					
COMMERCIAL (CONSERVATION)						
BOUNDARY OF AREA BASED DEV.						
ENVIRONMENTALLY FRAGILE AREAS						

SCALE
↑ N

3.6 Area Based Development Proposals: Church Square Revitalization.

PANAJI SMART CITY PROPOSAL

Proposed Pedestrianization of Church Square



Key Map



Existing Church Square



Pedestrian Friendly Church Square



Church Square Revitalization

STATISTICS/ KEY INDICATORS

440
Cycle trips

Eco mobility

- By 2030, reduced road accidents



20%
Increase in tourist footfall

Public square

- Sustain economic growth
- By 2030, 'promote sustainable tourism

70%
Reduction in crime and accidents

Decongestion Plan by CCF

- By 2030, sustainable public transport, improving road safety
- By 2030, inclusive and sustainable urbanization
- Safeguard culture and heritage



Strengthen resilience & adaptive capacity



Existing



Proposed

PROJECT TITLE & DESCRIPTION

Church Square Revitalization: Image of the city

Revitalization of a cluttered public space into a pedestrianized public square portraying the image of the city.

Church square, core area of the CBD, is rich in heritage, is an iconic area representing the image of the city, is a crucial traffic node for Panaji city (road transport and waterways) and is a cultural hub. But this area also faces issues related to high density, pedestrian safety and traffic congestions. The proposal envisages to transform the presently chaotic Church square into a pedestrian square with focus on Ecomobility (creating a model public space for replication to other parts of the city, pedestrianization of 18th June road and Bhosle square to initiate implementation of CCF decongestion plan for core city, mini buses for public transportation, universally accessible walkways and public bike sharing scheme), culture (creation of artists' zone at Bhosle square), heritage (heritage listing and conservation initiatives) to leverage the associated tourism & economic potential (expected increase of 20% in tourists)

KPIs ADDRESSED

1. Identity & Culture
2. Economy & Employment
3. Mixed use
4. Compactness
5. Open Spaces
6. Transportation & mobility
7. Walkable
8. IT Connectivity
9. Safety
10. Air quality
11. Basic services

ESSENTIAL FEATURES ADDRESSED

1. Non Vehicle Streets/Zones
2. Visible improvement in the area
3. Pedestrian friendly pathways
4. Encouragement to Non Motorized Transportation
5. Innovative use of open spaces
6. Safety of citizens especially children, women and elderly, esp women, children and elderly
7. Additional 'Smart applications (high tech multipurpose citizen cum tourist facilitation centre, opening Patto parking for tourists)
8. Robust IT Connectivity and Digitization

SUB-COMPONENTS

- Pedestrianization of Church square
- Table top junction in front of Church, upkeep of Garcia de Orta Municipal garden
- Pedestrianization of 18th June road;
- Street cates on 18th June road, pay parking, pedestrianization & artist zone at Cafe Bhosle square.
- Citizen cum Tourist Facilitation Centre; Digital information boards; Wifi Hotspots; CCTVs

COST (Cr.)

23.46
0.86
0.55
1.38

Total: 26.25

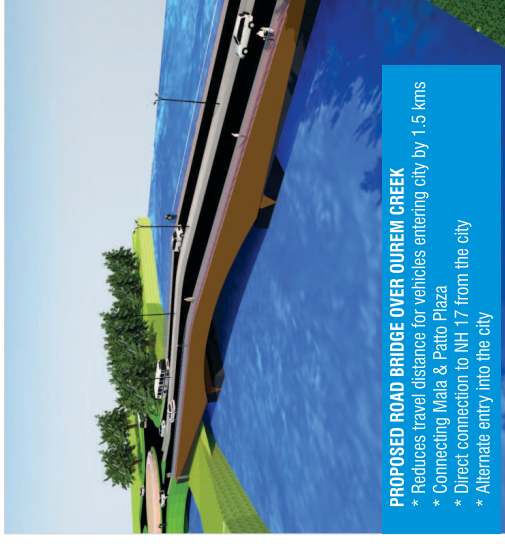
3.7(a) Area Based Development Proposals: Interlinking Core City & Patto Area - Upgradation of Ourem Creek & Patto Area

PANAJI SMART CITY PROPOSAL

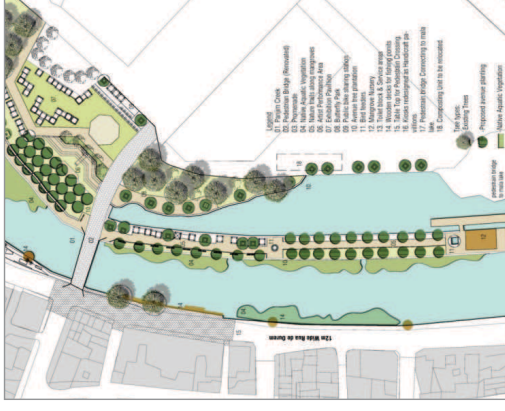
Old & New City of Panaji



Interlinking Old & New city: Proposed road bridge over Ourem Creek



Patto Area & Ourem Creek: Proposed Interventions



Patto Area & Ourem Creek Proposed Interventions



STATISTICS/ KEY INDICATORS

3 Pedestrian links,
1 Road link

50,000
Footfalls/year at Patto Cultural zone

5
Creek side cafes

Goa Centre for Art, Culture & Skill development

20% Increase in revenue generation from area

Micro enterprise incubation centre

SUSTAINABLE DEVELOPMENT GOALS & TARGETS ADDRESSED



- Economic productivity through diversity
- By 2030, decouple economic growth from environmental degradation
- By 2020, reduce unemployed youth



- By 2020, restore water related ecosystems



- By 2030, inclusive and sustainable urbanization
- By 2030 safe, inclusive, accessible, green and open spaces



- By 2020, sustainably manage & protect coastal ecosystems



Interlinking Core city and Patto area

Key Map



PROJECT TITLE & DESCRIPTION

Interlinking core city & Patto area for citizens and tourists: to create public spaces.

1. Upgradation of Rua De Ourem creek and Patto area (as cultural and tourist hub)

Bridging the spatial and cultural disconnect between core city and Patto area through creation of a cultural cum recreational hub in Patto and along the Rua de Ourem creek with focus on youth and tourists.

Patto area with contemporary administrative and commercial developments is largely deserted after office hours, isolating it from core city. These two islands are proposed to be bridged to complement each other (core city gets more open spaces and Patto area gets footfalls after office hours). Abandoned creek side kiosks and walkways are proposed to be revived as promenades with creek side cafes. Patto Cultural zone would be developed on PPP basis for organizing events and festivals during weekends and evenings. Goa Centre for Art, Culture and Skill Development would be developed with involvement of private sector for promotion of arts, crafts, yoga, culture and microenterprises with focus on skill training and entrepreneurship opportunities for urban poor.

KPIs ADDRESSED

1. Identity & Culture
2. Economy & Employment
3. Open spaces
4. Housing and Inclusiveness
5. Walkable
6. Transportation & Mobility
7. Safety
8. Mixed Use
9. Wastewater Management

ESSENTIAL FEATURES ADDRESSED

1. Visible improvement in the area
2. Innovative use of open spaces
3. Safety of citizens especially children, women and elderly especially children, women and elderly
4. Wastewater recycling
5. Non-vehicle streets/zones
6. Pedestrian friendly pathways
7. Encouragement to non-motorised transport
8. Smart Parking

SUB-COMPONENTS

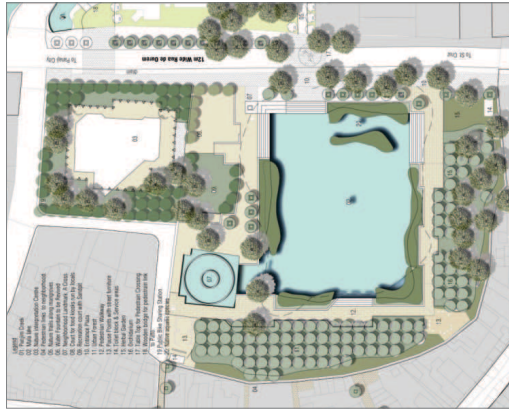
- Goa Centre for Art, Culture and Skill Development (GCACSD), Jetty terminal building
- Up gradation pedestrian bridge and provision of 2 new bridges
- Patto cultural zone, creek side cafes, road bridge over Ourem creek (convergence funding Rs. 27.37 Cr)
- CCTV, Wifi; Citizen cum Tourist facilitation centre

COST (Cr.)

20.85
10.93
1.18

Total: 32.96

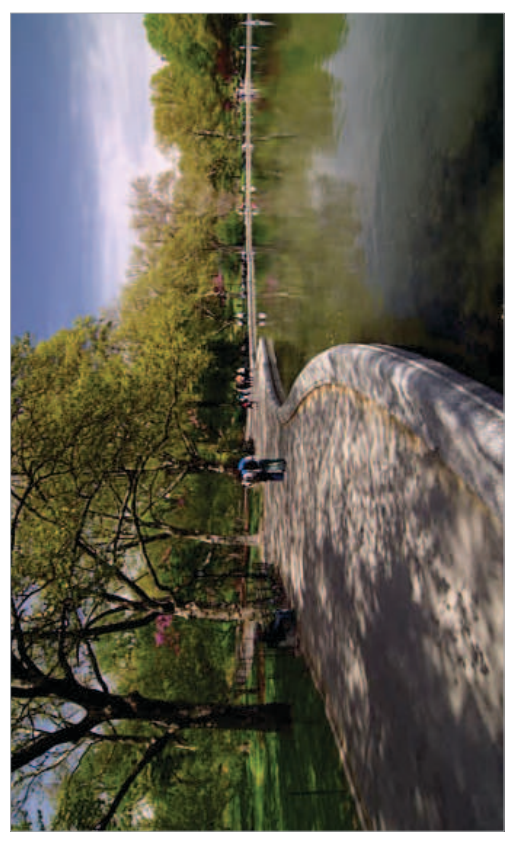
Mala Lake Proposed Interventions



Existing Condition of Mala Lake



Proposed Mala Lake Promenade



Interlinking Core city and Patto area

STATISTICS/ KEY INDICATORS

20,000
Sq.m blue sponge

20,000
Tourists/year

SUSTAINABLE DEVELOPMENT GOALS & TARGETS ADDRESSED

- Economic productivity through diversity
- By 2030, decouple economic growth from environmental degradation
- By 2020, reduce unemployed youth

Blue Green Corridor



- By 2020, restore water related ecosystems

Employment for Urban Poor (aquaculture, tourism)



- By 2030, inclusive & sustainable urbanization
- By 2030 safe, inclusive, accessible, green and open spaces

Sustainable Urban Drainage System (SUDS)



- By 2020, sustainably manage & protect coastal ecosystems

Ecotourism: Waterfront Development

Key Map



PROJECT TITLE & DESCRIPTION

Interlinking core city and Patto area for citizens and tourists

2. Revitalization of Mala lake

Revitalization of neglected Mala lake as a recreational water front and biodiversity hotspot for locals and tourists.

Neglected Mala lake, which was once a 75,000 sq.m water body, now stands at 20,000 sqm still acting as a blue sponge for runoff from Alimho and other areas. The brackish water lake, part of coastal ecosystem, is also surrounded by pockets of urban poor. The proposed waterfront development envisages to revive the lake as a tourist attraction whilst creating employment opportunities related to tourism and aquaculture for local urban poor.

KPIs ADDRESSED

1. Identity & Culture
2. Economy & Employment
3. Health & Education
4. Open spaces
5. Housing & Inclusiveness
6. Transportation & Mobility
7. Walkable
8. IT Connectivity
9. Air quality
10. Safety

ESSENTIAL FEATURES ADDRESSED

1. Pedestrian friendly pathways
2. Non-vehicle streets/zones
3. Innovative use of open space
4. Visible improvement in the area
5. Safety of citizens especially children, women and elderly
6. Robust IT Connectivity and Digitization
7. Encouragement to MMT
8. Additional 'Smart' Applications

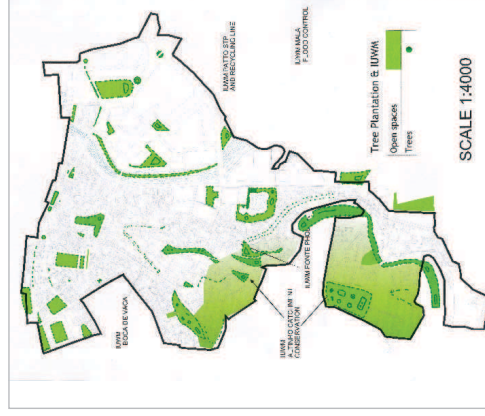
SUB-COMPONENTS

- Lake revitalization and real time quality monitoring
- Activities related to Yoga, biodiversity, etc. (convergence funding)
- Fountain (Lake aeration)
- Aquaculture opportunities for urban poor (convergence funding)
- Citizen cum Tourist Facilitation Centre, Wifi Hotspots; CCTVs

COST (Cr.)

5.95
0.17
1.24
Total: 7.36
Sub Total for Interlinking Core city & Patto area = 40.32

IUWM: Proposed Interventions



Community Adoption of Trees



Fonte Phoenix - Natural Spring Rejuvenation



STATISTICS/ KEY INDICATORS

100% Coverage of water network & smart meters

3 UNIT REDUCED WATER CONSUMPTION PER PERSON PER DAY

6 CLIMATE RESILIENT AND ADAPTIVE INFRASTRUCTURE PROJECTS

20% Reduction in NRW

24X7 Water Supply

25% Recycling of wastewater

11 ESSENTIAL FEATURES ADDRESSED

5000 Tree plantation

13 CLIMATE ACTION PROJECTS

10% Increase in spring discharge over 10 years

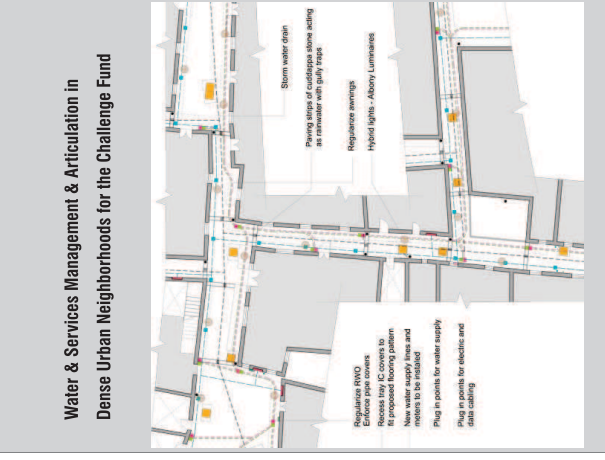
14 UNIT REDUCED WATER LOSS

2 MLD STP

SUSTAINABLE DEVELOPMENT GOALS & TARGETS ADDRESSED

- By 2030, reduced air, water, soil pollution
- By 2030, safe & affordable drinking water for all
- By 2030, improve water quality, recycle
- By 2030, Integrated Water Resource Management, local community involvement

- Resilience and adaptive capacity
- By 2020, reduced marine pollution
- By 2020, sustainably manage and protect coastal ecosystems



Integrated Urban Water Management

Enhanced efficiency and environmentally sustainable management of water, wastewater and storm water as interconnected components of the urban water cycle.

With blue green sustainability as the central theme, this proposal aims at improving water, wastewater, and storm water management through interventions targeted at reducing water footprint for the city. For improved water management, 24x7 water supply network is proposed with smart components of SCADA, GIS and smart water meters to reduce losses. Wastewater management through increased capacity of Pato STP (0.6 MLD to 2MLD) and improved discharge quality (above the prescribed standards) to reduce pollution of Rua de Ourem Creek, and hence, Mandovi River. More than 25% recycling of treated wastewater is proposed to reduce discharge into the Creek. Provision of vacuum sewers in low lying areas of Mala and Pato and real time water quality monitoring for creek would facilitate improved wastewater management. Storm water management with focus on reducing runoff generation through catchment conservation of Boca de Vaca and Fonte Phoenix springs (and revival of these springs as tourist destinations), plantation of 5000 trees and Mala flood control measures are proposed.

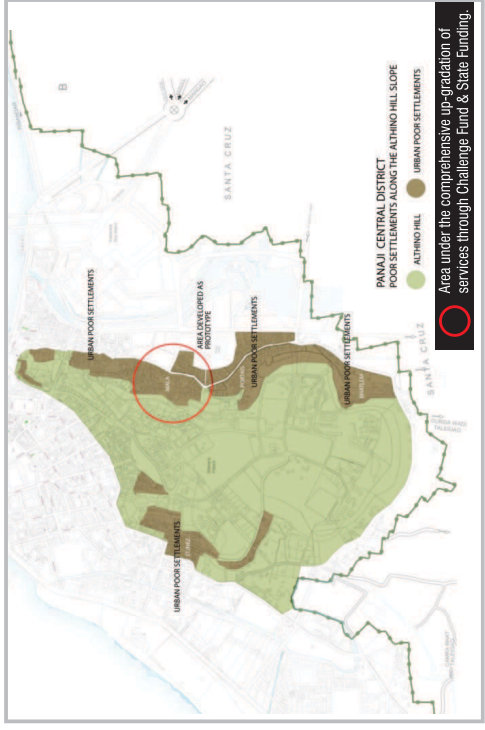
- ### KPIs ADDRESSED
1. Water supply
 2. Wastewater management
 3. Water quality
 4. Economy and Employment
 5. Identity and culture
 6. Health and Education

- ### ESSENTIAL FEATURES ADDRESSED
1. Wastewater recycling and storm water reuse
 2. Smart metering
 3. Additional 'Smart' applications

- ### SUB-COMPONENTS
- WATER SUPPLY NETWORK**
Smart components: smart meters, SCADA and GIS based water meters for monitoring
- WASTE WATER**
Up gradation of Pato STP (from 0.6 MLD to 2 MLD); Recycling of treated wastewater (laying of line for horticulture under National Green Highways Project); Vacuum sewers in Mala and Pato pockets
- STORM WATER**
 - Revival of Springs (Boca de Vaca and Fonte Phoenix); Delineation of catchment area of springs; catchment conservation plan and measures for catchment conservation; Real time monitoring of Creek
 - Urban forestry; 5000 trees; Ivy neighborhood trees initiative;
 - Mala Flood control measures
 1. Construction of pump house and pumping station
 2. Installation of sluice gate and electronically operated tidal control gates
 3. Improved drainage network

COST (Cr.)
21.3
9.69
5.32
0.36
6.05
Total: 42.75

Location Of Pockets of Urban Poor in Mala Heritage Zone: Challenge Fund Report

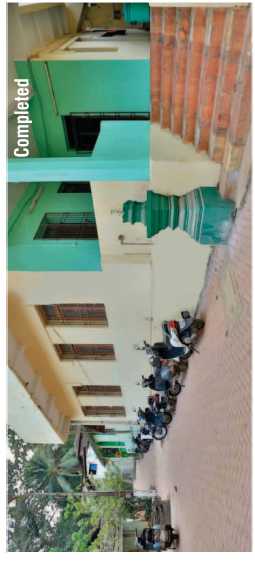


WORK EXECUTED UNDER MALA CHALLENGE FUND

- * Pavers - 1000 Sq. m
 - * Water Supply - 600 Rm
 - * Storm water drains - 700 Rm
 - * Sewer lines - 200 Rm
- Total Funding - 2.15 Cr**



Completion of Water Supply Line



Completed



Existing Altinho Steps



Conservation

STATISTICS/ KEY INDICATORS

SUSTAINABLE DEVELOPMENT GOALS & TARGETS ADDRESSED



- By 2030, poor and vulnerable have access to basic services
- By 2030, build resilience of poor
- Reduce vulnerability

Combined utility trench for gas, telecom, sewerage, water & power



- By 2030, equitable and adequate sanitation
- End Open defecation

5

Parking free roads

100%

Water, sewerage & drainage coverage for urban poor



- Economic productivity through diversity
- By 2030, employment for men, women, youth

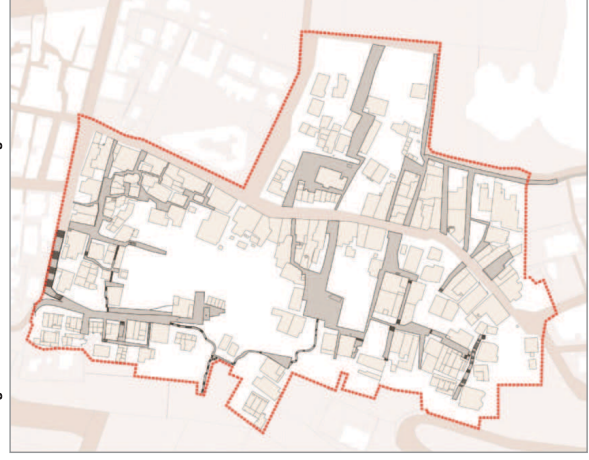
0.5

Sq.km intervention under Challenge Fund



- By 2030, social, political, economic inclusion of all
- Equal opportunities

Challenge Fund Intervention in Mala Heritage Zone



PROJECT TITLE & DESCRIPTION

Service Improvement for Urban Poor in Mala Heritage Zone.
Extension of existing Challenge Fund intervention
Improved liveability for urban poor in narrow lanes of Mala Fontainhas Heritage zone through improved service provision.

Mala Fontainhas heritage area also houses pockets of urban poor where conventional interventions are difficult owing to the undulating terrain and narrow lanes. As part of the Challenge Fund initiative of Ministry of Housing and Urban Poverty Alleviation, the city has undertaken upgradation of infrastructure facilities in 0.5 sq.km pocket of urban poor through provision of combined utility trench for water, gas, electricity and telecom, paving, façade improvement and toilet provision. This initiative is proposed to be extended to the narrow lanes in the entire Mala heritage area under SCP to provide access to safe and reliable infrastructure to urban poor while reducing diseases and related expenses due to deteriorating infrastructure. Urban poor would also be given preference in construction and other jobs created under this project. Mala area, located along foothills of Altinho also has several steps which facilitate cross contour connectivity by reducing trips to be undertaken by urban poor. These steps, which require upkeep, would be improved under this intervention. Creation of parking free zones with citizen participation would be undertaken.

KPIs ADDRESSED

1. Identity and Culture
2. Economy and Employment
3. Open space
4. Housing and Inclusiveness
5. Walkable
6. Transportation and Mobility
7. Basic services (water supply, sewerage, sanitation, telecom, electricity)
8. Underground electric wiring Safety

ESSENTIAL FEATURES ADDRESSED

1. Improved quality of life for Urban Poor
2. Pedestrian friendly pathways
3. Encouragement to MMT
4. Non-vehicle streets/zones
5. Innovative use of open space
6. Safety of citizens especially children, women and elderly

SUB-COMPONENTS

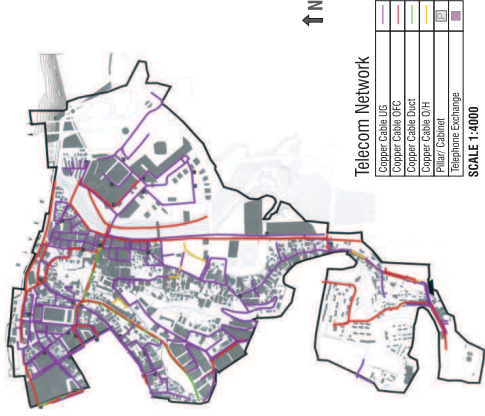
1. Combined utility trench for water, gas, electricity, telecom
2. Street lighting poles
3. Laying of sewerage and drainage network, improved telecom and electricity network
4. Improvement of Altinho steps
5. Designated car free zone

COST (Cr.)

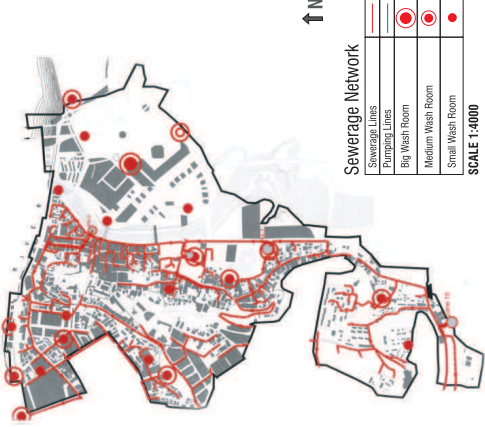
12.16

Total: 12.16

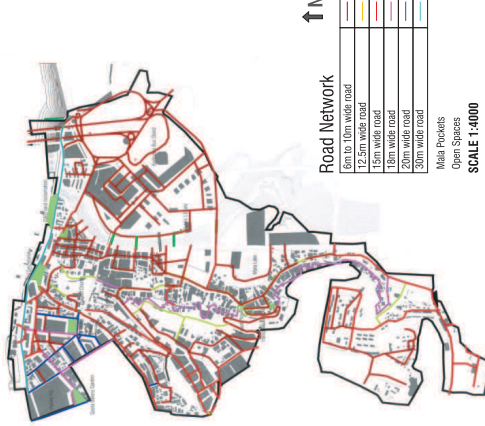
PROPOSED TELECOM NETWORK



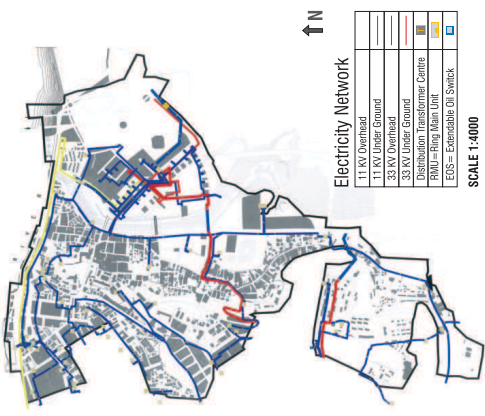
PROPOSED SEWERAGE NETWORK



PROPOSED ROAD NETWORK



PROPOSED ELECTRICITY NETWORK



Service provision

STATISTICS/
KEY INDICATORS

440 Cycles



SUSTAINABLE
DEVELOPMENT
GOALS & TARGETS
ADDRESSED

• By 2030, reduce deaths due to air, water, soil pollution

20 Mini buses



• By 2030, equitable and adequate sanitation

1822

Sensor based LED streetlighting



• By 2030, increase share of renewable energy

0.5

MW roof top solar PV



• By 2030, productive employment for men, women, youth

Service provision along 25 km road length

100%

Coverage of sewerage & drainage



• Quality, reliable, sustainable and resilient infrastructure

Open defecation free



• By 2030, enhance inclusive and sustainable urbanization

Pedestrianisation Proposal of the Core City Areas



PROJECT TITLE & DESCRIPTION

Provision of smart & improvement of basic services in entire area (2 sq. km) Improved quality of life in the selected area through efficient and smart infrastructure for healthier and happier communities.

Basic infrastructure is proposed to be improved in the entire ABD and a 'smart' layer is proposed to be added to increase resource efficiency and improve overall quality of life in the area. Proposed infrastructure upgradation includes improved roadways, universally accessible walkways and service provision along the entire area (covering nearly 25 km of road length). Initiatives to promote Ecobility, which will then be extended to the entire city, for provision of 20 luxury mini buses suited to the narrow lanes of core city along with Public bike sharing system with 440 cycles is proposed. Citizen consultations highlighted issues related to multiplicity of services related excavations. Hence, combined utility trench for water, gas, telecom and electricity would be provided along with 100% coverage of drainage and sewerage network. Electricity network with compact transformers, telecom network and CNG/PNG network for clean fuel with reduced emissions would be provided across ABD. Improved green and open spaces and provision of public toilets for attaining open defecation free status are proposed. To harness the renewable energy potential, generation of 0.5 MW of power is proposed through roof solar PV panels for use within public establishments like Kadamba bus terminal. For improved energy efficiency, entire ABD would be provided with sensor based LED streetlighting.

KPIs ADDRESSED

1. Transportation and Mobility
2. Basic services (Water supply, sewerage, sanitation, telecom, electricity)
3. Energy efficiency
4. Energy Source
5. Energy supply
6. Safety

ESSENTIAL FEATURES ADDRESSED

1. Encouragement to non-motorised transport
2. Adequate water supply including waste water recycling and storm water reuse
3. Sanitation including solid waste management
4. Energy efficient street lighting

SUB-COMPONENTS

- Road improvement, universally accessible walkways, street furniture
- Combined utility trench for water, telecom, gas and electricity
- Storm water drainage, sewerage, telecom and electricity network
- Ecobility: city bus loops (20 Mini buses)
- Ecobility: Public Bike Sharing System
- Sensor based LED Street lighting, improvement of open spaces, provision of public toilets, CNG/PNG network, 0.5 MW roof top solar PV
- Mandovi road bridge (convergence funding 514 Cr)

COST (Cr.)

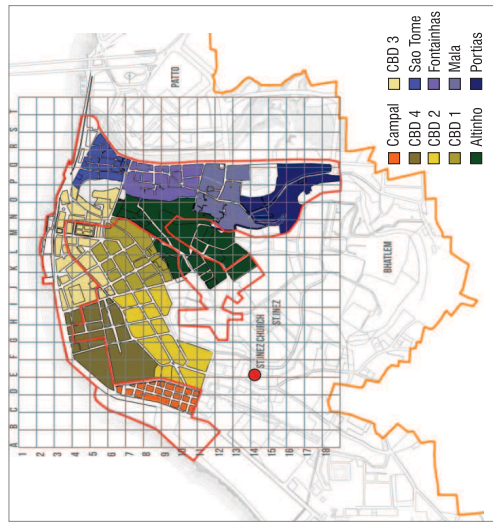
- 128.54
- 11.00
- 94.07
- 28.78
- 67.67

Total: 330.06

3.11 Area Based Development Proposals: Conservation of Heritage & Culture

PANAJI SMART CITY PROPOSAL

LISTING & GRADING OF HERITAGE STRUCTURES IN PANAJI



Heritage Structures In Core City : Credit Charles Correa Foundation Report on Heritage Listing



Mala Fontainhas Heritage Quarters



Conservation

STATISTICS/
KEY INDICATORS

2 Heritage walks

50,000 Tourists/year to Old Secretariat

912 Listed heritage structures

Heritage cell

Façade Restoration

Adaptive reuse/TDR

Heritage Guidelines

CSR based adoption of heritage buildings along heritage walks

SUSTAINABLE DEVELOPMENT GOALS & TARGETS ADDRESSED

- Economic productivity through diversity
- By 2030, promote sustainable tourism



By 2030, enhance inclusive and sustainable urbanization

Adaptive reuse of Old Secretariat as Heritage & Art Museum & Interpretation Center



PROJECT TITLE & DESCRIPTION

Conservation of Heritage and Culture

Leveraging the tourism potential of rich Indo Portuguese heritage through incentivizing conservation, creating livelihood generation opportunities and reinforcing citizen connect with heritage.

The city, with more than 912 listed heritage structures signifying rich Indo Portuguese heritage, has notified a heritage zone in the core city which regulates development in this area. These heritage structures, although a subject of pride for the owners, require extensive maintenance. Hence, incentivizing heritage conservation by transparent scientific GIS based documentation of heritage structures while associating the citizens with heritage through crowdsourcing to share memories associated with buildings and stretches is proposed to facilitate formulation of heritage guidelines and conservation plan which would be implemented through a heritage cell at the CCP.

Old Secretariat is proposed to become a Heritage & Art interpretation center cum museum e-tickets for all tourist attractions would be provided. CSR based adoption of heritage structures along the heritage walk and highlighting heritage walks through markers is proposed.

KPIs ADDRESSED

1. Citizen participation
2. Identity and culture
3. Economy and Employment
4. Intelligent Government Services
5. Safety
6. Transportation and Mobility

ESSENTIAL FEATURES ADDRESSED

1. Additional 'Smart applications

SUB-COMPONENTS

- Heritage Conservation Plan and constitution of Heritage Cell
- 2 km paved heritage walks with markers
- GIS database for heritage & crowd sourcing
- Adaptive reuse of Old Secretariat as Heritage & Art Museum & Interpretation Center (Convergence Funding Rs. 13 Cr)
- Signage policy & signage provision
- CSR policy for adoption of heritage structures and stretches, building byelaws.

COST (Cr.)

- 0.3
- 16.50
- 1.08
- 0.33

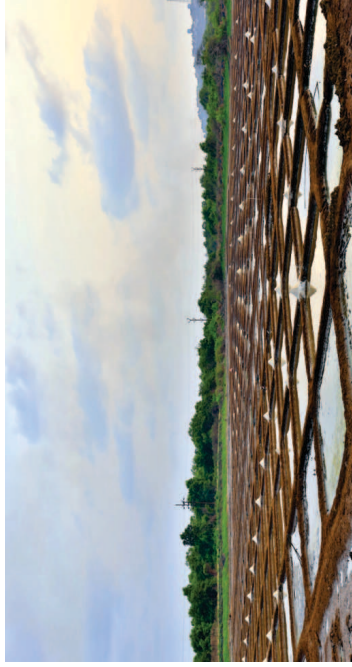
Total: 18.21

3.12 Area Based Development Proposals: Biodiversity Conservation

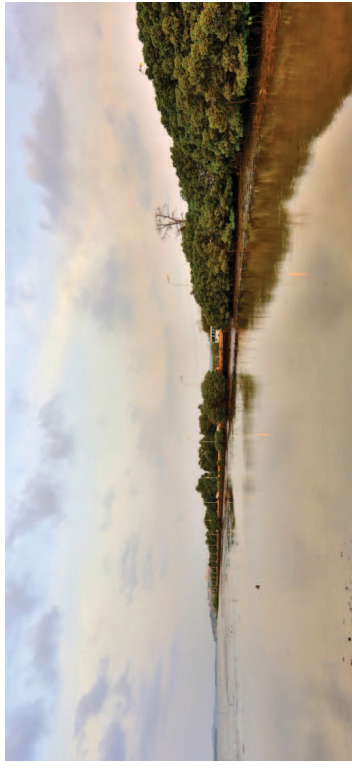
Proposed Biodiversity Park along ABD (Coastal Ecosystems, Biodiversity, Salt Pans)



Salt Pans in Biodiversity Park



Existing Mangroves in Biodiversity Park



ABD Boundary ■ Promenade ○ Interpretation Center



STATISTICS/ KEY INDICATORS

1 km
nature trail along mangroves



SUSTAINABLE DEVELOPMENT GOALS & TARGETS ADDRESSED

- By 2020, restore water related ecosystems
- Local community involvement in water resource management

Green Jobs



Support Provision of Ecosystem Services

- Strengthen resilience
- Adaptive capacity for climate hazards

Green Tunnel



Green Tunnel

- By 2020, reduce marine pollution
- By 2020, sustainably manage & protect coastal ecosystems

Salt Pans



1 km
Mangrove walk

People's Biodiversity Register

Biodiversity Park

- By 2020, restoration & sustainable use of forests, wetlands
- Halt loss of biodiversity
- By 2020, integrate ecosystem & biodiversity values in development process
- Ensure conservation, restoration & sustainable use of forests, wetlands



Proposed Mangrove Walk



PROPOSED BIODIVERSITY PARK

PROJECT TITLE & DESCRIPTION

Biodiversity Conservation
Restoring the native biodiversity of Western Ghats, through revival of native floral and faunal species (global biodiversity hotspot).
Panaji located along the Arabian sea coast, is rich in coastal ecosystems, avifaunal diversity, mangroves and other biodiversity associated with Western Ghats. Increasing urbanization mandates the need for intervention for biodiversity conservation through provision of flora and fauna that can reinstate the pollinators of Western Ghats in the city. The city has taken initiatives under Asian Cities Climate Change Resilience Network funding under Small Grants Program to sensitize future conservation leaders, GSDC supported People's Biodiversity register, biodiversity park, mangrove park and other such initiatives which are proposed to be extended under the SOP by strengthening interlinkages between mangrove and biodiversity park and ABD (salt pans, avifauna, aquatic life & mangrove stratches) Biodiversity interventions - creating green jobs, improved micro climate, hosting rich flora & fauna.

KPIs ADDRESSED

1. Economy and Employment
2. Open spaces

1. Economy and Employment
2. Open space
3. Citizen Engagement

1. Open Spaces
2. Economy and Employment

1. Economy and Employment

ESSENTIAL FEATURES ADDRESSED

1. Innovative Use of Open Space
2. Additional 'Smart' applications

1. Innovative Use of Open Spaces
2. Additional 'Smart' applications

1. Innovative Use of Open Spaces
2. Additional 'Smart' applications

1. Additional 'Smart' applications

SUB-COMPONENTS

Joggers Park: Butterfly garden and bamboo corner

Mala lake: Butterfly garden, lake restoration, herbal garden

Quality of life assessment study and boardwalk for nature trail along mangroves

Ourem Creek area: Mangrove plantation

Future conservation leaders for biodiversity

COST (Cr.)

0.17

1.62

0.33

0.25

0.68

Total: 3.05

3.13: Details of Pan City Proposal - Smart Transportation & Eco Mobility

PANAJI SMART CITY PROPOSAL

BICYCLE ROUTE ■ PROPOSED BICYCLE NETWORK



PROPOSED BUS ROUTES



RE-ORGANISATION OF TRAFFIC FOR LIGHT BRT & BIKE-SHARING



Smart Transportation and Eco Mobility

55,406 tCO2e (2013-14)
Transport Sector GHG Emission

10482 (2012-13)
Private & Commercial Registered vehicles

228 tCO2e
GHG emission reduction from intelligent parking management system

95 tCO2e
GHG emission reduction from PBS

STATISTICS/ KEY INDICATORS

SUSTAINABLE DEVELOPMENT GOALS & TARGETS ADDRESSED

3 **WATER**

- By 2020, halve the number of global deaths and injuries from road traffic accidents

9 **INDUSTRIAL AND BUILDING**

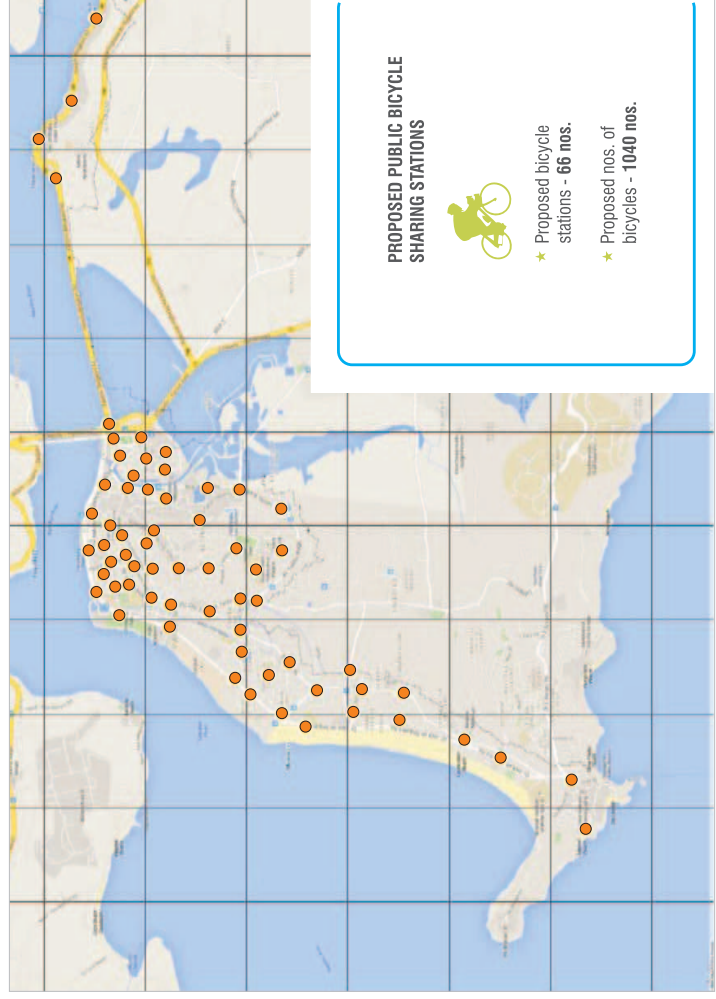
- Develop quality, reliable, sustainable and resilient infrastructure

11 **CLIMATE ACTION**

- By 2030, provide access to safe, affordable, accessible & sustainable transport systems for all
- By 2030, enhance inclusive and sustainable urbanization

13 **CITY**

- Strengthen resilience and adaptive capacity



PROJECT TITLE & DESCRIPTION

A) Smart Transportation and Eco Mobility
Comprising the setting up of a state of the art integrated and intelligent transportation platform for and non- motorized and multi modal public transportation, pedestrianization, smart parking and traffic management and ICT applications for monitoring and citizen feedback and information system.

KPIs ADDRESSED

Walkable
Transport
Compact
ICT enabled government services
Safety and security
Energy Efficiency
Air Quality

ESSENTIAL FEATURES ADDRESSED

Accessible and affordable transportation infrastructure friendly core business district
Increasing use of public transportation and non motorized transportation
Multi modal seamless integration of traffic and transportation
Smart Parking
Decongestion and reduction in trip time
Improved Air Quality

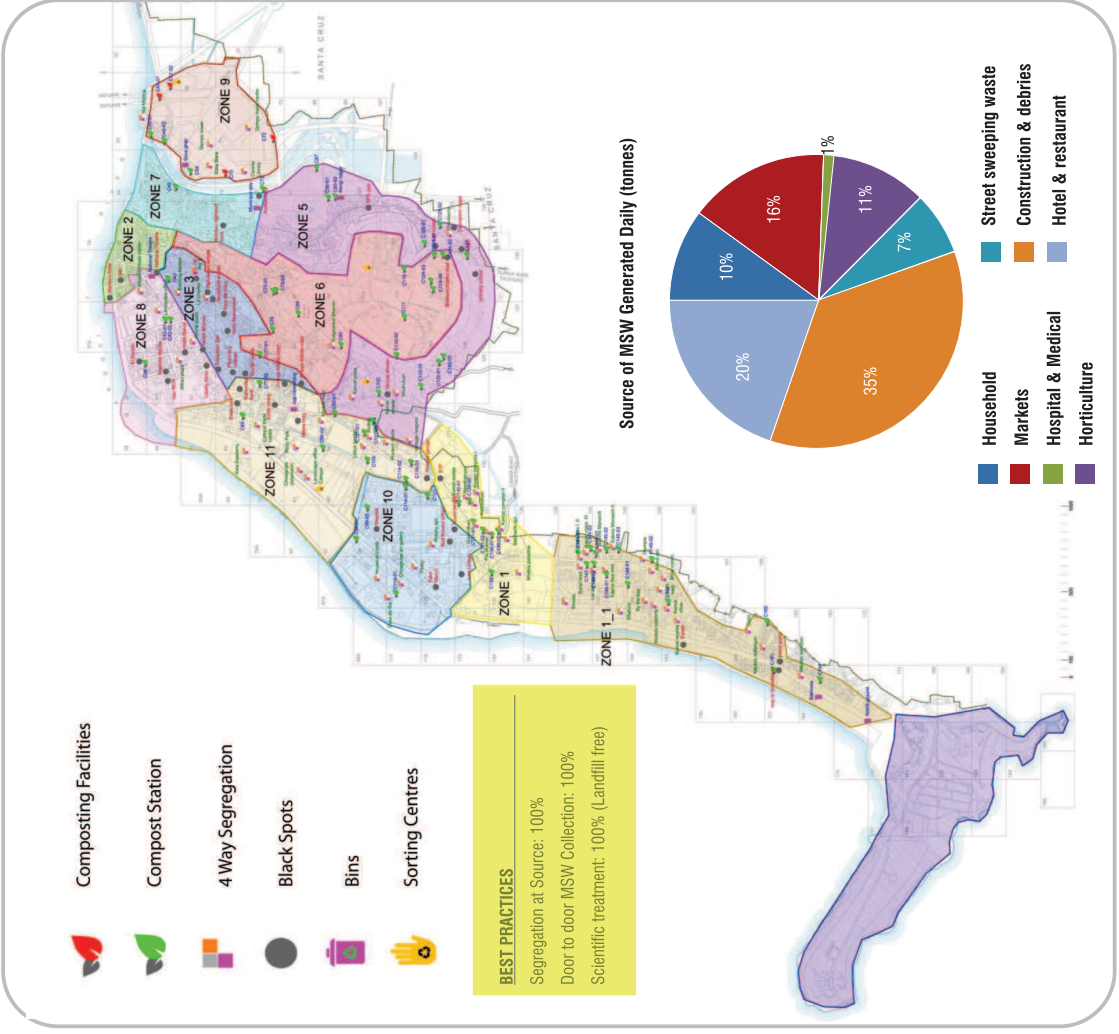
SUB- COMPONENTS

Smart components for public bikes, buses and ferry
Central command and control centre for integrated and intelligent transportation system
Smart Parking
Air quality monitoring stations
Improved Air Quality

COST (Cr.)

38.30

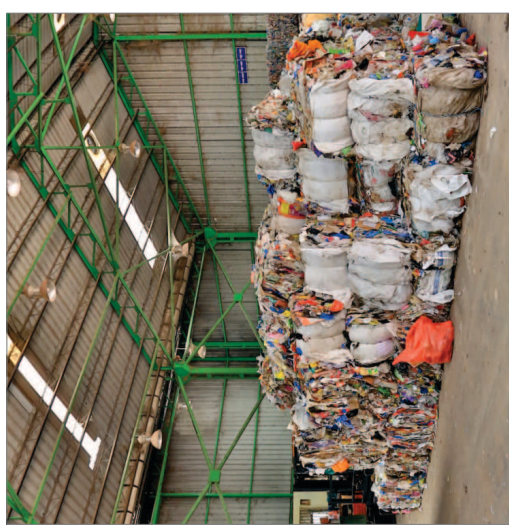
SWM Zone Map



SWM Sorting Station



Bailed Recyclable Waste



PROJECT TITLE & DESCRIPTION

B) Smart Environmental Services
 Comprises ICT based solutions for integrated solid waste management.
 ICT based solutions for monitoring of solid waste collection, transportation, treatment & recovery/reuse facilities and personnel.
 Automation of Material Recovery Facility and Resource Centre

KPIs ADDRESSED

Waste Management
 ICT enabled Government services
 Citizen participation
 Energy efficiency

ESSENTIAL FEATURES ADDRESSED

Bin Free and Zero Waste City
 Transparency and citizen interface
 State of the art MIS
 Waste to Energy
 Waste to Resource

SUB-COMPONENTS

RFID devices for waste collection tracking
 GPS and GPRS controller for vehicle tracking system
 Biometric attendance
 MIS for Material

COST (Cr.)

11.80

SWM Zone Map



STATISTICS/ KEY INDICATORS

7912 tCO2e (2013-2014)
 Solid Waste GHG emissions

96 Decentralised composting stations,
3 Centralised composting stations

800 tonnes Recyclable Waste sold / yr.
2500 metric tonnes Non-recyclable waste co-processed
46.67 L Revenue generated / yr.

SUSTAINABLE DEVELOPMENT GOALS & TARGETS ADDRESSED

By 2030, reduce the number of deaths and illnesses from air, water and soil pollution

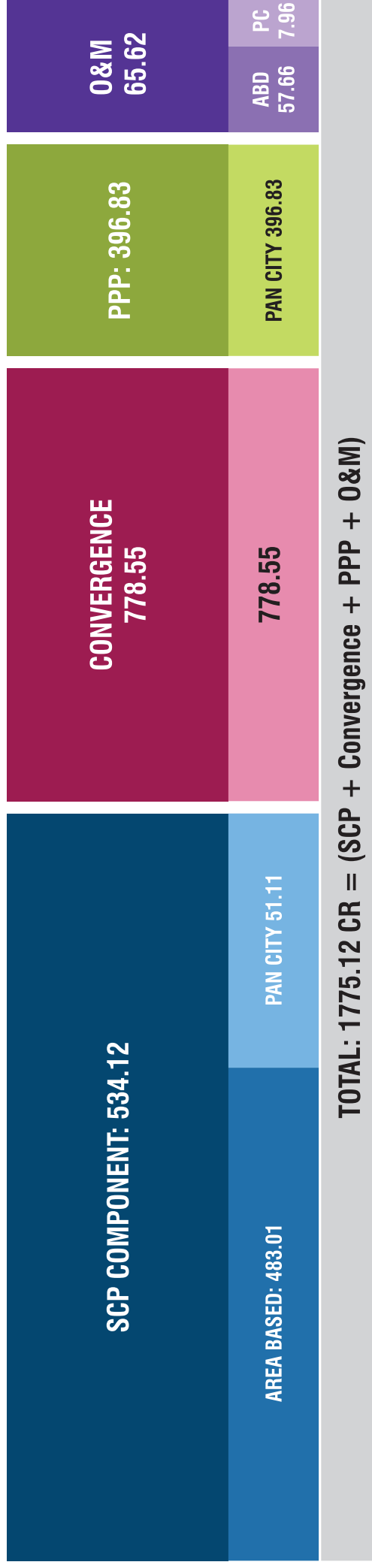
Sustain economic growth
 By 2030, devise and implement policies to promote sustainable tourism

By 2030, Improve the waste management
 By 2030, enhance inclusive and sustainable urbanization

Strengthen resilience and adaptive capacity



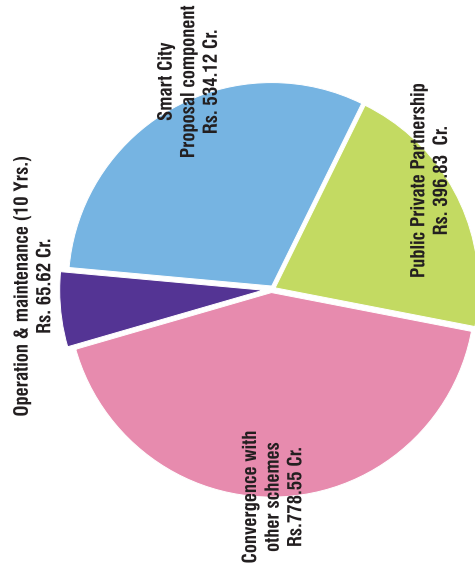
Overall Financial Summary



Panaji Smart City Proposal Financial Plan (along with the ULB Contribution towards O&M for 10 years)

ALL FIGURES IN CRORES

Intervention	Smart City proposal component			Public Private Partnership	Convergence with other schemes	Operation & maintenance (10 years) (A)	Revenue generation (10 years) (B)	ULB Contribution for O&M (10 yrs) (A-B)
	State Govt.	Central Govt.	Total					
Area Based Development	267.06	267.06	483.01	---	778.55	57.66	54.67	2.99
Pan City			51.11	396.83	778.55	7.96	---	7.96
Total	267.06	267.06	534.12	396.83	778.55	65.62	54.67	10.95



PROPOSED PROJECTS FOR REVENUE GENERATION	DETAILS OF EXPECTED REVENUE GENERATION	UNIT COST/ ANNUUM (LAKH)	UNITS	NUMBER OF YEARS	TOTAL REVENUE GENERATION OVER 5 YEARS (CRORES)	TOTAL REVENUE GENERATION OVER 10 YEAR PERIOD (INCLUDING 5 YEAR PERIOD)
CHURCH SQUARE REVITALIZATION						
PPP for Street Cafes on 18th June Road	Annual +10% profit sharing with CCP as part of the contract	10	5	2	1	3.73
Pay Parking		10	1	5	0.5	1.05
Advertisements in Church area.		5.4		5	0.27	0.57
O&M contract of Church square: Brand association with Church square		5		4	0.2	0.47
Pay Parking at earmarked locations for casino parking		30		5	1.5	3.14
INTEGRATING CORE CITY AND PATTO AREA FOR CITIZENS AND TOURISTS						
Festivals and events at Patto Cultural Zone	+ 20% profit sharing with CCP as part of contract	40	1	4	1.6	3.79
Amphitheatre	50,000/ event x 20 events/yr	0.5	20	1	0.4	2.59
Creek side	+ 20% profit sharing with CCP as per contract	10	5	2	1	3.73
Contract for Cultural zone in Patto including O&M	Contract + 25% profit sharing annually with CCP as part of the contract. Side events (Sunburn, IIFI etc)	60	1	4	2.4	5.68
Advertisements in Patto and Creek area		4.8		4	0.19	0.45
Brand Association & O&M contract of Creek area		20		2	0.40	1.49
Brand endorsement: Mala Lake branding and ownership	Brand endorsement + 20% profit sharing with CCP as part of the contract	20		1	0.20	1.29
Advertisements in Mala Lake area		4.8		2	0.10	0.36
Revenue generation from Cafes at Mala Lake area (2 cafes)		0.24		1	0.00	0.02
INTEGRATED URBAN WATER MANAGEMENT						
Revenue generation from Fonte Phoenix & Boca de Vaca tickets		0.0005	20000	3	0.3	0.85
Revenue generation from advertisements along Boca de Vaca and Fonte Phoenix		4.8		3	0.14	0.41
Family adoption of 5000 trees	Rs.1000/tree x 5000 trees	0.01	5000	1	0.5	0.00
PROVISION OF BASIC SERVICES IN ENTIRE AREA						
Revenue generation from City Bus loops (luxury mini buses) & PBS	Subcontract for one year to be given to private vendors + 20% profit sharing as part of contract	25		3	0.75	2.12
CONSERVATION OF HERITAGE AND CULTURE						
CSR investments in heritage. O&M based adoption of heritage areas and structures	Adoption of buildings and stretches along Heritage walk to be given priority.	10	1	4	0.4	0.95
GIS based Conservation platform for crowdsourcing		1	1	2	0.02	0.07
Advertisements in citizen cum Tourist facilitation centres (3 nos)	15 lakh/annum/ kiosk	15	3	4	1.8	4.26
E-Tickets for old secretariat	Rs. 500/ticket for foreigners, Rs. 100/ticket for Indian tourists; total 50,000 visitors/year				2.6	9.71
Signage (20 nos) and Digital Information board ads (3 nos)		10		4	0.4	0.95
Promotion as a filming locale, with focus on Heritage & culture		50	1	4	2	4.73
Revenue generation from Cafes at Old Secretariat		0.36		3	0.01	0.03
Branding of Heritage Walk for 5 years in accordance with guidelines	Brand endorsement @ 20 lakh/annum + 20% profit sharing with CCP as part of the contract	20		4	0.80	1.89
Advertisements along Heritage walk and in Old Secretariat	Charged @Rs. 100/sqft for 300 sqft	3.6		4	0.14	0.34
TOTAL REVENUE GENERATION					19.63	54.67

3.17: Convergence of Smart City Proposal with Government Schemes & Other Funding Sources

Schemes for convergence			Amount (Cr)	Total (Cr)
Central Government Schemes	Central Government Share		105.39	135.46
	State Government Share		30.07	
NABARD Infrastructure Development Assistance (NIDA) Loan	NABARD Share		462.60	514.00
	State Government Share		51.40	
State Government Schemes	State Government Share		125.05	125.05
PPP/CSR	PPP/CSR/Others		4.04	4.04
TOTAL			778.55	778.55
Total State Government contribution (Cr)			206.52	



Projects for ABD	SCP Share (Cr)	CONVERGENCE FUNDING FOR AREA BASED PROPOSALS																		
		CONVERGENCE WITH CENTRAL GOVERNMENT SCHEMES					NABARD LOAN SCHEME			CONVERGENCE WITH STATE GOVERNMENT SCHEMES		CSR / Other Sources								
		Name of Project	Total Amount (Cr)	Centre share (Cr)	State share (Cr)	Scheme	Name of Project	Total amount (Cr)	NABARD Share (Cr)	State share (Cr)	Name of Project	Scheme Amount (Cr)	Project	Amount (Cr)						
Church Square Revitalization	26.24	2 BSNL wi fi hotspots (Details in Note 1, Annex 4.27)																		
Interlinking Core City & Patto Area	40.32	2 BSNL wi fi hotspots (Details in Note 2, Annex 4.27)										Construction of Terminal building at Captain of Ports Jetty (Annex 4.31.4)	28.61	State Government	28.61	Patto Cultural Zone funding support by EDC (Annex 4.18.2)	0.35			
Integrated Urban Water Management	42.75	STPI (Software Technology Park) (Annex 4.24)	2.50	2.50								Road bridge over Rua de Ourem Creek (Annex 4.31.2)	27.37	State Government funding	27.37					
Service Improvement for urban poor in Mala Heritage zone	12.16	Challenge Fund intervention for improved services for urban poor in one pocket of Mala heritage zone (Annex 4.25)	2.15	1.80	0.35	DFID funding under Challenge Fund Scheme by Ministry of Housing and Urban Poverty Alleviation														
																				Boca de Vaca revival (Annex 4.30.2)
Provision of 'smart' and improvement of basic infrastructure in entire area (2sq.km)	330.57	Roof top Solar PV	0.52	0.52		National Solar Mission, Ministry of New and Renewable Energy, 15% subsidy for 0.5 MW installation														
Provision of 'smart' and improvement of basic infrastructure in entire area (2sq.km)	330.57	IPDS (Details in Note 3, Annex 4.10.1)	9.67	9.67		IPDS Scheme of Ministry of Power														
Provision of 'smart' and improvement of basic infrastructure in entire area (2sq.km)	330.57	Smart Grid (Details in Note 4, Annex 4.10.2)	25.46	25.46		National Smart Grid Mission of Ministry of Power														

3.17: Convergence of Smart City Proposal with Government Schemes & Other Funding Sources

Conservation of heritage and culture	18.24								Adaptive reuse of Old Secretariat (Annex 4.35.2)	Department of Art and Culture	13.00		
											Heritage listing		Town and Country Planning
Biodiversity conservation	3.05											0.17	
Key Central Government convergence scheme												Small Grants Fund (Asian Cities Climate Change Resilience Network)	
												People's Biodiversity Register contacted by GSIDC (Annex 4.35.1)	
Total CapEx	473.32												
Total including contingency	483.01												
GRAND TOTAL	483.01												
													4.04
													125.045
													125.045
													4.04
													778.55

NOTE INDEX	
NOTE NUMBER	DETAILS
1.	2 wi fi hotspots (CCP building, River Cruise Jetty). BSNL to provide 2 high speed 5G standard compatible wi fi service stations at public places for free. Annual O&M charges for hotspot locations @7.56 lakh/annum/location to be borne by city under PPP and SCP. Synaptic Integrated has also expressed interest in provision of wi fi hotspots in the city
2.	2 wi fi hotspots (Mala lake and Paitto KTC Terminal). BSNL to provide 2 high 5G speed standard compatible wi fi service stations at public places for free. Annual O&M charges for hotspot locations @7.56 lakh/annum/location to be borne by city under PPP and SCP. Synaptic Integrated has also expressed interest in provision of wi fi hotspots in the city
3.	DPR for IPDS scheme has been prepared by Electricity Department and submitted under Power for All scheme to Ministry of Power, Gol. Rs. 32.07 Cr have been sanctioned so far for Goa (Rs. 29 Cr for meters and Rs. 3 Cr for Solar Roof top PV). Distribution Reforms Committee (DRC) and District Electricity Committee (DEC) will meet to discuss fund allocation. Nearly 30% the meters are likely to be in selected area so 30% of these costs have been considered as ABD has nearly 30% of total electricity connections in the city.
4.	Panaji Smart Grid Proposal for Rs. 141.59 Cr has been submitted under National Smart Grid Mission to Ministry of Power, Gol. State Level Project Monitoring Units (SLPMUs) for smart grid has been formed and DPR would be submitted to SLPMU for approval. Out of this amount, Rs. 84.86 Cr share has been estimated for 2 sqkm area. Central government contribution at 30% or Rs. 25.46 Cr
5.	462.60 Cr as term loan under MABARD Infrastructure Development Assistance (NIDA) at 10.5% interest, 51.4 Cr State share (at 10% interest). Total amount 514 Cr for project duration 2015 to 2018. The bridge is aimed at reducing the traffic load on core city and would improve connectivity of core city to Porvorim and reduce travel distance for vehicles entering core city and Malia area by 1.5km, providing direct connectivity to NH 17 . NABARD funding: 185.04 Cr in yr 1, 185.04 Cr in year 2 and 92.52 Cr in yr 3
6.	Zuari Agro Chemicals Ltd. has entered into an agreement with CCP for development of market based development assistance for compost under which Rs. 1500/MT of compost will be paid to fertilizer marketing companies, which will be obligated to purchase all compost manufactured by respective cities to which they have been associated (Zuari Agro Chemicals Ltd. is the designated fertilizer providing company for Goa)
7.	Feasibility Study cum RFP for design of Energy Efficient street lighting and infrastructure upgradation for 5600 Streetlights with Meghraj Capital Advisors Pvt Ltd (Mumbai) as Consultants for a total cost of Rs. 37.62 Cr CapEx and 6.81 Cr for 7 years



CORPORATION
OF THE CITY OF
PANAJI



PANAJI SMART CITY

P R O P O S A L

ANNEXURE 4

PANAJI SMART CITY PROPOSAL

Sr. No	Title
4.1	Council Resolution of Revised Smart City Proposal – Panaji with financial plan and SPV structure (Commitment for operation and maintenance cost contribution)
4.2	High Powered Steering Committee's approval for revised Smart City Proposal – Panaji, Goa State Govt. support letter sectorial support for SCP
4.3	In-Principle approval from Public Works Department of Goa for implementing Smart City Proposal
4.4	In-Principle approval from Department of Information Technology for implementing Smart City Proposal
4.5	In-Principle approval from Goa State Pollution Control Board for implementing Smart City Proposal
4.6	In-Principle approval from Department of Town and Country Planning for implementing Smart City Proposal
4.7	In-Principle approval from Kadamba Transport Corporation and Directorate of Transport, Goa for implementing Smart City Proposal
4.8	In-Principle approval from District Magistrate for implementing Smart City Proposal
4.9	In-Principle approval from Captain of Ports, Mormugao Port Trust, River Navigation Department for water based transport, interest of vendors for ferry system on PPP
4.10	In-Principle approval from Electricity Department for implementing Smart City Proposal (especially – IPDC and Smart Grid project)
4.11	In-Principle approval from Travel and Tourism Association of Goa for implementing Smart City Proposal
4.12	In-Principle approval from Food and Drugs Administration Department for implementing Smart City Proposal
4.13	In-Principle approval from Forest Department of Goa for implementing Smart City Proposal
4.14	In-Principle approval from Mangrove Society of India, Botanical Society of Goa, Birds Institute of Goa for implementing Smart City Proposal
4.15	In-Principle approval from Goa State Biodiversity Board of Goa and Fisheries Department, Goa for implementing Smart City Proposal
4.16	In-Principle approval from Water Resources Department for implementing Smart City Proposal
4.17	In-Principle approval from Goa State Infrastructure Development Corporation Ltd for implementing Smart City Proposal and approval for Public Private Partnership projects
4.18	In-Principle approval from Economic Development Corporation for implementing Smart City Proposal and contribution as CSR funding(2), supporting letter by EDC for Chief Minister's Rojgar Yojana, Goa, work order by EDC & CCP for pay parking at Patto area
4.19	Declaration by ICLEI – South Asia to provide support to Panaji Smart City Proposal- SPV
4.20	Declaration by other technical partners to provide support for Panaji Smart City Proposal including SPV

PANAJI SMART CITY PROPOSAL

Sr. No	Title
4.21	In-Principle approval from Town & Country Planning Department for conservation of heritage & heritage listing under Panaji Smart City Proposal.
4.22	Expression of Interest for INTERACT - Bio: Integrated regional action for Biodiversity
4.23	Financial assistance under Asian Cities Climate Change Resilience Network
4.24	Interior work for setting up of Software Technology Park in Goa at Udyog Bhavan, Panaji, Goa
4.25	Work order – CCF's project for Urban Poor in Mala area
4.26	Work order for consulting services for credit rating of the Corporation of the City of Panaji
4.27	Commitment letter by Bharat Sanchar Nigam Ltd and Synaptic Integrated Telecommunications Service Pvt. Ltd. for WIFI hotspots in public places of Panaji
4.28	Constitution of Ward Committees - Clause 41 of CCP act, 2002
4.29	Work order - 2 MLD sewage treatment plant at Patto, treated sewage discharge line from Patto to Mandovi River, GSIDC letter - treated waste water for Green Highway Mission
4.30	24x7 Water Supply Project letter - Public Works Department of Goa Work Order - Boca de Vaca- renovation and upgradation
4.31	Financial approval letters for other infrastructure projects, new Mandovi Bridge, bridge over the Ourem Creek, road along the Ourem creek & terminal building at Captain of Ports Jetty
4.32	Minutes of Ordinary Corporation meeting dated 24/11/2015 – To accord approval for Slum Survey for Panaji under Rajiv Awas Yojana (RAY)
4.33	AMRUT sanction letter by Ministry of Urban Development for 2015-16, AMRUT sanction letter by Ministry of Urban development for 2016-17, CCP letter for SLIP and SAAP, Allocated funds for Swadesh Darshan, Goa
4.34	Supporting letters for Solid Waste Management initiatives - work order for treatment plant, interest for other plants on PPP, agreement for compost, procurement of litter bins distribution
4.35	Support letters by Goa State Infrastructure Development Corporation Ltd. for People's Biodiversity Register, Renovation of Old Govt. Secretariat Building
4.36	Public notice from the Petroleum and Natural Gas Regulatory Board notifying North Goa in CGD bidding (CNG/PNG)
4.37	Letter of Goa State Mission Directorate to confirm the projects on PPP mode, consideration of beautification and pedestrianization of Café Bhosale Square under AMRUT
4.38	Expression of Interest to implement Public Bicycle Sharing initiative on Public Private Partnership model (Private vendor)
4.39	Support and willingness to participate in Solid Waste Management activities, interest of vendor to organize Cultural events on PPP mode at the areas developed under SCP
4.40	Abbreviations

Annexure 4

Annexure 4.1.1: Council Resolution for Revised Smart City Proposal – Panaji (Including Financial Plan, setting up Special Purpose Vehicle and Commitment for Operation and Maintenance cost

CORPORATION OF THE CITY OF PANAJI
PANAJI, GOA

**MINUTES OF SPECIAL CORPORATION MEETING CONVENED BY THE HON.
MAYOR ON 30/03/2016 AT 4 PM IN THE CORPORATION HALL TO ACCORD
APPROVAL ON REVISED PANAJI SMART CITY PROPOSAL**

Quorum:

1. Shri. Surendra Furtado – Mayor
2. Smt. Lata Y. Parekh – Dy. Mayor
3. Shri. Kanta H. Shirodkar – Councillor
4. Shri. Nazareth Cabral – Councillor
5. Smt. Marganda C. Fernandes – Councillor
6. Shri. Kishore Sastry – Councillor
7. Smt. Sheetal D. Naik – Councillor
8. Smt. Shubhada R. Shirgaonkar – Councillor
9. Shri. Rahul R. Loliikar – Councillor
10. Smt. Reshna N. Karishetty – Councillor
11. Smt. Ruth Furtado – Councillor
12. Kum. Seraya Pinto Makhija – Councillor
13. Smt. Vaidehi Naik – Councillor
14. Shri. Dinesh A. Salgaonkar – Councillor
15. Shri. Shekhar E. Degvekar – Councillor
16. Shri. Pramay P. Mainkar – Councillor
17. Smt. Pascoela Mascarenhas – Councillor
18. Shri. Uday V. Madkaikar – Councillor
19. Shri. Menino da Cruz – Councillor
20. Smt. Rekha S. Kande – Councillor
21. Shri. Pundalik S. Raut, Dessai – Councillor
22. Smt. Asmita S. Kerkar – Councillor
23. Smt. Manisha B. Manerkar – Councillor
24. Smt. Diksha Mayenkar – Councillor
25. Shri. Vasant A. Agshikar – Councillor
26. Smt. Lorraine Dias – Councillor
27. Shri. Shubham G. Chodankar – Councillor
28. Shri. Vithal D. Chopdekar – Councillor
29. Smt. Arati R. Halankar – Councillor
30. Shri. Rupesh R. Halankar – Councillor

In attendance:

1. Shri. Sanjit Rodrigues – Commissioner
2. Shri. Sudhir Kerkar – Dy. Commissioner
3. Shri. Bernard Devassy – Accounts/Taxation Officer
4. Shri. Laxman Gaudle – Administrative/Accounts Officer


SURENDRA FURTADO
MAYOR
Corporation of the City of Panaji

The Hon. Mayor declared the meeting open and welcomed the Hon. Councillors to the meeting and took up the matter of Revised Panaji Smart City Proposal for submission to the Government of India's Smart City Mission under Fast Track Mechanism. The Commissioner explained that certain observations made by the Ministry of Urban Development, Government of India in the earlier proposal have been addressed and the final proposal is placed before the Corporation for approval. Shri Emani Kumar, Executive Director, ICLEI South Asia in a presentation highlighted the changes which were made in the Panaji Smart City Proposal. Queries were raised by Councillors on why the St. Inez Creek area was not included in the Smart City Plan. It was explained by the Commissioner that the area was way in excess the 2 Sq Km area prescribed in the guidelines. Further the Creek extended beyond Municipal boundaries and for the area development zone, the area had to be within municipal boundaries inline the Pan City initiatives. He further clarified that a lot of work has been initiated along the creek which will improve the condition of the creek. Further clarifications were sought on specific observations made by Gol and the changes made. All queries were answered and it was stated that due changes were incorporated in the revised proposal.

Subsequent to the discussions and clarifications to the queries sought by the Hon. Councillors from the Smart City Consultant and the Corporation unanimously resolved as follows:

A. Resolution on approval of entire Revised Panaji Smart City Proposal (SCP)

The Corporation reassessed the Panaji Smart City Proposal which was submitted to Government of India on 15th Dec, 2015 based on the approval of Corporation at its meeting held on 1st Dec, 2015a resolution copy of which is enclosed as Annexure I. The revised Panaji Smart City Proposal elaborately upgraded through extensive citizens

1

SURENDRA FURTADO
MAYOR
Corporation of the City of Panaji



CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA
Tel: (91-832) 222 3339, 242 2736, 242 3558, 223 7160 | Fax: (91-832) 2426988
E-mail: commissioner@ccpgoa.com | Web: www.ccpgoa.com

Ref No. CCP/PROJECTS/SMART-CITY/2015-16/1980 ¹⁵ April 2016

To,

The Secretary,
Ministry of Urban Development,
Government of India,
Nirman Bhawan, Maulana Azad Road,
New Delhi 110 011

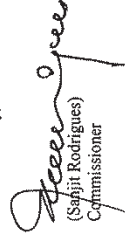
Sub: Regarding Corporation of the City of Panaji commitment to support the Operation & Maintenance Cost of Panaji Smart City Proposal.

Ref: Upgraded Panaji Smart City Proposal Submission under the Fast Tract Mode Round 2, Pathway II of Smart City Mission.

Sir,

The Corporation of the City of Panaji (CCP) commits to ensure that based on the budget provisions of the Corporation the adequate mobilization of financial commitments is being made as per the Panaji Smart City Proposal implementation plan to finance Operation & Maintenance share for interventions given in the Area Based and Pan City components of the upgraded Panaji Smart City Proposal.

Yours Sincerely,


(Sepjit Rodrigues)
Commissioner



Copy to: 1. The Chief Secretary/Chairman, High Power Steering Committee (HPSC), Smart City Mission, Secretary, Porvorim, Goa.

2. The Secretary (UD), Secretariat, Porvorim-Goa.

engagement in light of the Ministry of Urban Development, Government of India's Panel of Experts observations provided through DO No. K-15016/157/2015-SC-I dated 10th Feb, 2016 and on examining the proposals of the twenty winning cities was deliberated in detail. The Corporation unanimously approved the Revised Panaji Smart City Proposal (as at Annexure II) and its submission to the Ministry of Urban Development, Government of India through Fast Track Round.

B. Resolution to mobilize resources for the Operation & Maintenance Cost of Revised Smart City Proposal

The difference in amount between the overall Revenue generation and Operation & Maintenance cost as given in the Annexure II for proposed Area-based and Pan-City interventions over the period of 10 years will be supported by Corporation of the City of Panaji through its own/other resources.

After the above discussions, the meeting was declared closed by the Hon. Mayor with a vote of thanks to all those present followed by the National Anthem.


SURENDRA FURTADO
MAYOR
(SURENDRA FURTADO)
MAYOR

Annexure I: Resolution Copy of Corporation Meeting held on 1st Dec, 2015 on Panaji Smart City Proposal

Annexure II: Revised Panaji Smart City Proposal

Annexure III: Revised Panaji Smart City Proposal Financial Plan (along with the ULB Contribution for O&M for 10 Years).

Annexure 4.1.2: Council Resolution for Revised Smart City Proposal – Panaji including Financial Plan and setting up Special Purpose Vehicle (Annexure 1 - Previous Council resolution for Smart City Proposal- Panaji)



CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA
Tel: (91-832) 222 3333, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2426998
E-mail: commissioner@corpgoa.com | Web: www.corpgoa.com



CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA
Tel: (91-832) 222 3333, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2426998
E-mail: commissioner@corpgoa.com | Web: www.corpgoa.com

**MINUTES OF SPECIAL CORPORATION MEETING CONVENED BY THE HON.
MAYOR ON 01/12/2015 AT 4 PM IN THE CORPORATION HALL TO ACCORD
APPROVAL FOR PANAJI SMART CITY PROPOSAL**

Quorum:

1. Shri. Shubham G. Chodankar – Mayor
2. Shri. Edward Jorge – Dy. Mayor
3. Smt. Ana Rosa Lobo – Councillor
4. Shri. Nazareth Cabral – Councillor
5. Smt. Margarida C. Fernandes – Councillor
6. Smt. Carolina Po – Councillor
7. Smt. Sheetal Naik – Councillor
8. Shri. Bento Lorena – Councillor
9. Smt. Shweta R. Lotlikar – Councillor
10. Shri. Surendra Furtado – Councillor
11. Shri. Ruth Furtado – Councillor
12. Shri. Tony Rodrigues – Councillor
13. Smt. Vaidehi Naik – Councillor
14. Shri. Kabir Pinto Makhija – Councillor
15. Smt. Bharati P. Heble – Councillor
16. Kum. Maya Talkar- Councillor
17. Shri. Yatin Parekh – Councillor
18. Shri. Shekhar Degvekar – Councillor
19. Smt. Pascoeta Mascarenhas – Councillor
20. Shri. Prayot Vaigankar – Councillor
21. Shri. Ratnakar Fatarpekar – Councillor
22. Smt. Maria Rita P. Fernandes – Councillor
23. Shri. Krishna Shirodkar – Councillor
24. Shri. Gangaram Kale- Councillor
25. Shri. Rudresh Chodankar – Councillor
26. Smt. Diksha Mayenkar – Councillor
27. Kum. Shubhada Dhond – Councillor
28. Smt. Nivedita Choopedekar – Councillor
29. Smt. Pratima P. Hoble – Councillor

In attendance:

Hon. M.L.A Panaji Constituency Shri. Siddarth Kunkallenkar

1. Shri. Sanjit Rodrigues – Commissioner
2. Shri. Sudhir Kerkar – Dy. Commissioner
3. Shri. John Abreu – Municipal Engineer
4. Shri. Bernard Devassy – Accounts/Taxation Officer
5. Shri. Laxman Gaudé – Administrative/Accounts Officer

The Hon. Mayor declared the meeting open, by welcoming the Hon. MLA, Panaji, Shri. Siddarth Kunkallenkar and all the Hon. Councillors to the meeting and took up the matter with reference to the submission of the Panaji Smart City Proposal to the Government of India's Smart City Mission. The Corporation of The City of Panaji (CCP) has discussed the proposal at length and unanimously resolved the following items;

A. Resolution on approval of entire Panaji Smart City Proposal (SCP)

The Corporation discussed the Panaji Smart City Proposal along with the Financial Plan details and resolved to approve it as indicated in Annexure I and approved its submission to the Ministry of Urban Development, Government of India.

B. Resolution on setting up of a Special Purpose Vehicle (SPV)

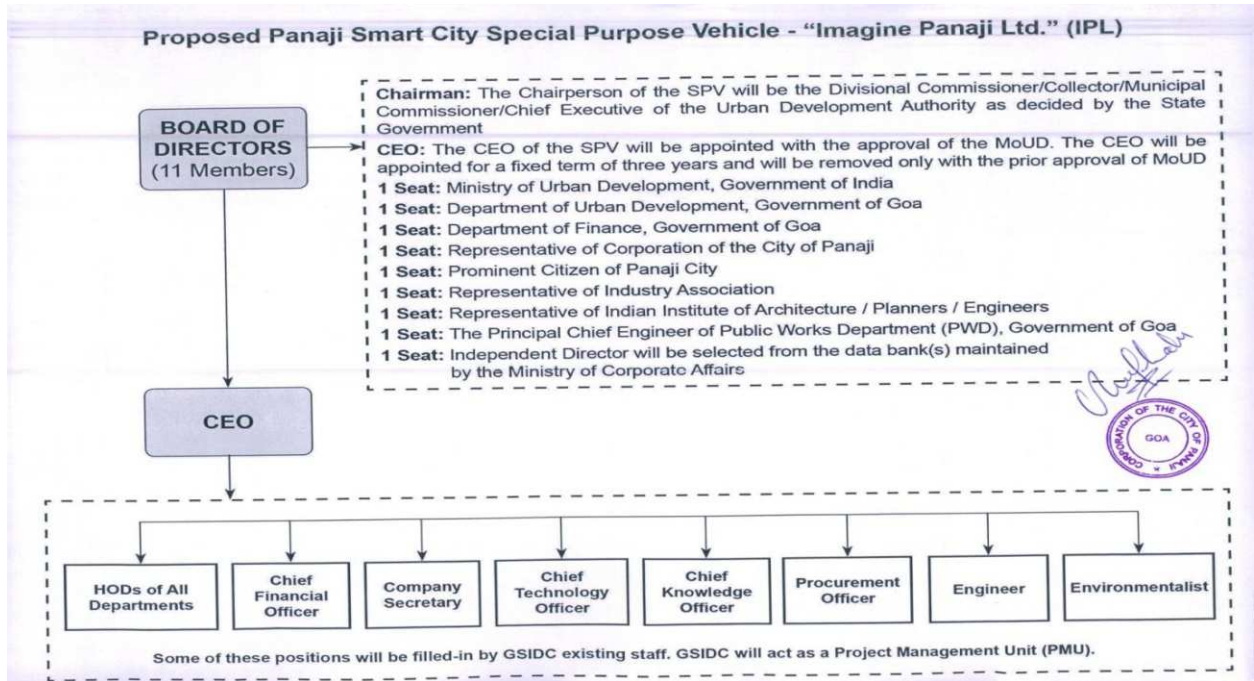
The Corporation discussed the need and unanimously resolved the formation of Special Purpose Vehicle (SPV) and requisite delegation of rights and obligations of CCP with respect to the Smart City project to the SPV as per para 10 of Smart City Mission guidelines. It further approved the SPV organogram as given in Annexure II.



1

2

Annexure 4.1.3: Preliminary human resource plan and Institutional arrangement for Operationalization of the Special Purpose Vehicle and Financial Plan (Previous)
(Annexure 1 of Council resolution for revised Smart City Proposal- Panaji)



Overall Financial Summary – Panaji Smart City Proposal

Intervention	Smart city proposal component			Public Private Partnership	Contingency and O&M (State Govt./ULB) (B)	PPP/Revenue generation (5 years)	Overall funding requested from State Govt./ULB (A+B)
	Total	Central Govt.	State Govt./ULB (A)				
Area Based Development	403.08	304.22	304.22		72.69	13.92	376.91
Pan City	205.35			299.98			
Total SCP	608.44			299.98	72.69	13.92	376.91

Year Wise Overall Financial Plan– Panaji Smart City Proposal

Cost head	Total Cost	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6-10
Smart City Proposal project cost per year (Pan city +Area based)	608.44	203.31	175.31	156.61	73.21		
Contingency costs (2%)	12.17	4.07	3.51	3.13	1.46		
O&M costs (4% O&M costs for first 5 years, 6.25% O&M cost next 5 years)	60.52		3.86	5.46	6.21	6.21	38.79
Contingency and O&M costs per year	72.69	4.07	7.37	8.59	7.67	6.21	38.79
Grand Total (Incl. Cont.and O&M costs)		681.13					
State Govt + ULB funding (Incl. Cont. and O&M)	376.91	105.72	95.02	86.90	44.28	6.21	38.79
Central Govt. funding per year	304.22	101.66	87.66	78.31	36.61		

All the figures are in Crores

Annexure 4.1.4: Resolution for sourcing additional Corporate Social Responsibility (CSR) funds and supporting interventions (sr. no. 1 to 13) (Annexure 1 of Council resolution for revised Smart City Proposal- Panaji)



CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA
Tel: (91-832) 222 3339, 242 2735, 242 3556, 223 7160 | Fax: (91-832) 2428998
E-mail: commissioner@ccpgoa.com | Web: www.ccpgoa.com



CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA
Tel: (91-832) 222 3339, 242 2735, 242 3556, 223 7160 | Fax: (91-832) 2428998
E-mail: commissioner@ccpgoa.com | Web: www.ccpgoa.com

C. Resolution on sourcing additional Corporate Social Responsibility (CSR) funds

funds

The Corporation discussed the need and unanimously resolved for sourcing additional funds through Corporate Social Responsibility (CSR) for the following interventions:

- a) Mala lake revitalization
- b) Upgradation of Rua de Ourem Creek and Patto Area
- c) Biodiversity enhancement and sustainability management
- d) Heritage and Conservation
- e) Integrated urban water management
- f) Service improvement for urban poor in Mala Heritage Zone
- g) Church square revitalization

D. Resolution on supporting interventions under Panaji Smart City Proposal

The Corporation discussed the supporting interventions under Panaji Smart City Proposal at length and unanimously resolved the following interventions through its ongoing and upcoming projects:

1. Implementation of Department of Tourism, Government of Goa's Green belt development proposal following components for upgradation of Rua de Ourem Creek and Patto Area (a) Rejuvenation of unhygienic places by developing roadside footpaths and islands (b) Beautification of Mandovi and Patto bridges



3

2. (c) Mangrove park in backwaters of Mandovi river, (d) Landscaping near Cruise Jetty, and (e) Soil Conservation around Mandovi River.

3. Permissions for conducting temporary exhibitions, amphitheater events, skill training programmes, annual food and wine festival at Goa Centre for Art, Culture and Skill Development with provision of performance zones where artists can perform without license.

4. Biodiversity enhancement and sustainability management
5. Commercial Revenue Model for Creek area and Church square including Open restaurant sit outs and advertisements on street furniture.

6. Preparation of catchment conservation plan and collection of user charges for Fonte Phoenix and Boca de Vaca springs (as filming locale); in collaboration with Tourism Department.

7. Revenue generation by promoting Panaji as a filming destination with special focus on heritage areas, beaches, festivals and carnivals. Part of this revenue proceeds would be reserved for conservation and environmental upgradation in the City, through SPV.

8. Revenue generation through family adoption of 5000 trees
9. Preparation of Conservation plan for heritage conservation
10. Adaptive reuse of Old Secretariat as a museum and gallery
11. Combined e-ticketing for all Heritage areas
12. Cultural event zone at Patto

13. Smart water metering, SCADA& GIS database for water supply, real time monitoring, vacuum sewers in low lying areas of Mala and Patto, upgradation of



4

Annexure 4.1.5: Resolution for supporting interventions (sr. no. 14 to 35) (Annexure 1 of Council resolution for revised Smart City Proposal- Panaji)



CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA.
Tel: (91-832) 222 3339, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2429958
E-mail: commissioner@ccpgoa.com | Web: www.ccpgoa.com



CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA.
Tel: (91-832) 222 3339, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2429958
E-mail: commissioner@ccpgoa.com | Web: www.ccpgoa.com

14. Patto STP and 100% reuse of treated wastewater to ensure zero discharge in Creek from 2sqkm Smart City retrofitting area
15. Pedestrian links along Ourem Creek to connect core City with Patto Area and upgradation of existing pedestrian link.
16. Permit and facilitate surveys related to GIS database development in Area based development for Heritage and water supply.
17. Facilitate implementation of wastewater recycling plan for the City by use of treated wastewater for horticulture, building sector and other secondary uses.
18. Replication of Challenge Fund initiative to more pockets of urban poor in Mala-Fountainhas.
19. Revision of building byelaws to improve parking provisions within plot boundary, conservation related interventions and incentivizing sustainable practices and establishing a Signage policy
20. Notification to facilitate direct CSR investments in heritage buildings and zones, in accordance with guidelines (to be formulated under Conservation Plan by Heritage Cell/Heritage Committee)
21. Flood control measures in Mala area for disaster management
22. Improvement of steps in Alinho/Mala for improved pedestrian connectivity
23. Provision of basic infrastructure in entire 2sqkm Smart City retrofitting area including roads, pedestrian friendly pavements (with ramps for specially able), combined utility trench (water, electricity, telecom, gas) storm water drainage, sewerage, public toilets, telecom network, improvement of open spaces, electricity infrastructure, street lighting, and gas pipelines (CNG/PNG)

5



24. Provision of basic services and utility trench (water, electricity, telecom, gas) in Mala-Fountainhas (pockets of urban poor)
25. Designated parking free roads in Mala-Fountainhas
26. Implementation of Mala lake rejuvenation project and nature trail linking Mala and Alinho
27. Imposition of Parking fee
28. Supply, installation, testing and commissioning of Energy efficient street lighting systems
29. Installation of Roof top Solar PV Stand alone system
30. Pedestrianization of road at Church square (along with improvement of Garcia de Orta Garden and provision of stands for artists to demonstrate their work) and 18th June road and provision of Table top junction for pedestrian safety in front of Church square
31. Three Zonal Tourist Facilitation Centers at Church square, Mala and Patto
32. Facilitate policy development for Transfer of Development Rights (TDR) and adaptive reuse and facilitate implementation of pilot project for TDR
33. New proposed Road link between Mala and Patto (across Creek near Mala lake and existing water supply line)
34. Facilitate scope to explore mixed land use in Patto Area
35. Installation of wi-fi hotspots and CCTV for safety of citizens and better enforcement of traffic regulations

[Handwritten Signature]



6

Annexure 4.1.6: Resolution for operation of water-based transportation on public private partnership model formation of Heritage cell, operation of light bus rapid transit and public bicycle sharing on a public private partnership , meeting pre-condition prior to implementation. (Annexure 1 of Council resolution for revised Smart City Proposal- Panaji)



CORPORATION OF THE CITY OF PANAJI

Panaji- Goa 403 001 INDIA
Tel: (91-832) 222 3339, 242 3556, 223 7160 | Fax: (91-832) 2426998
E-mail: commissioner@corpgoa.com | Web: www.corpgoa.com

E. Resolution on operation of Water-based Transportation

The Corporation discussed the need to take up the proposal on Water-based Transportation on a Public Private Partnership mode or similar modes and has unanimously resolved for it to be taken up. It is further resolved that the integrated mode of transport, as proposed in the Panaji Smart City Proposal, will result in City decongestion and help improve urban mobility in a significant manner.

F. Resolution on formation of Heritage Cell

The Corporation discussed the need to create a Heritage Cell under the Corporation and has unanimously resolved the formation of the same. It is further resolved that the cell will have representation from subject experts to plan and coordinate the work related to heritage conservation in the city. The Corporation of the City of Panaji hereby agrees to divert a share of funds generated from PPP based activities (tourism related activities and others) in the Smart City area to the Heritage Cell, through SPV, for conservation of Heritage and culture in Panaji

G. Resolution on operation of Light Bus Rapid Transit on a Public Private Partnership (PPP) model

The Corporation discussed the need to take up the proposal on Light Bus Rapid Transit (Light BRT) on a Public Private Partnership and any such similar mode and has unanimously resolved the same. It is universally accepted that quality of life can be provided through high quality transit systems that not only provide connectivity, but also ensure safety, comfort, increased mobility, brand appeal and civic pride. After thorough



7



CORPORATION OF THE CITY OF PANAJI

Panaji- Goa 403 001 INDIA
Tel: (91-832) 222 3339, 242 3556, 223 7160 | Fax: (91-832) 2426998
E-mail: commissioner@corpgoa.com | Web: www.corpgoa.com

review of existing conditions in Panaji and extensive sets of public consultation, the options available for mass transit system and their performances and focusing on the role of buses in public transport the Corporation further resolved Light BRT is the best possible mechanism for enhancing urban mobility in the City.

H. Resolution on operation of public bicycle sharing on a public private partnership (PPP) model

The Corporation discussed the proposal on Public Bicycle Sharing on a Public Private Partnership mode and has unanimously resolved the same. It might be noted that the Corporation has had multiple consultations with organizations such as EMBARQ India and Institute for Transportation Development & Policy (ITDP) to develop City specific policies on Non Motorized Transport (NMT) and Transit Oriented Development (ToD). The Corporation resolved that Public Bicycle Sharing will help improve urban mobility in the City (especially in case of tourists) in a very significant manner and agreed to extend cooperation for speedy implementation of the project.

I. Resolution on meeting pre-condition prior to implementation of Panaji SCP

The Corporation discussed the need to meet a few pre-conditions prior to implementation of some of the interventions. In this regard the Corporation resolved to:

1. Ensure implementation of Light BRT proposal prior to undertaking pedestrianization of 18th June road



8

Annexure 4.1.7: Resolution for Revenue generation mechanism of Panaji Smart City Proposal (Annexure 1 of Council resolution for revised Smart City Proposal- Panaji)





CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA
Tel: (91-832) 222 3339, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2426998
E-mail: commissioner@corpgoa.com | Web: www.corpgoa.com

2. Ensure upgradation of Patto STP (below 5mg/l BOD) and relocation of the waste facility out of Patto prior to undertaking initiatives for upgradation of Rua De Ourem Creek and Patto area
3. Ensure implementation of 24X7 water supply project, implementation of dual supply line for treated wastewater and availability of odour free and good quality treated wastewater (less than 5mg/l BOD) would be required for implementation of Integrated Urban Water Management
4. Implementation of Mala Flood control project would be required before Mala lake beautification
5. Designing and implementation of combined utility trench should be at par with National/ International standards to ensure safety of citizens
6. Operationalize 6 parking lots in the city on Public Private Partnership mode in order to implement Smart Parking Proposal
7. Enhance the operationalization of Kadamba Bus Terminal on Public Private Partnership mode in order to facilitate Central Monitoring and Integrated Transport Solutions to manage the proposed new fleet of buses

J. Resolution on Revenue Generation mechanism for Panaji SCP

The Corporation discussed at length about the revenue generation mechanism for the Panaji Smart City Proposal and has unanimously resolved the same. The details of the mechanisms are provided in the proposal.







CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA
Tel: (91-832) 222 3339, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2426998
E-mail: commissioner@corpgoa.com | Web: www.corpgoa.com

After the above discussions, the meeting was declared closed by the Hon. Mayor with a vote of thanks to all those present followed by the National Anthem.


(Shubham Chodankar)
Mayor



Annexure I: Panaji Smart City Proposal along with Financial Plan

Annexure II: Panaji Smart City Special Purpose Vehicle (SPV) – Imagine Panaji Ltd.

Annexure 4.1.8: **Financial Plan of Revised Smart City Proposal - Panaji** (Annexure 2 and 3 of Council resolution for Revised Smart City Proposal- Panaji)

Annexure II: Revised Panaji Smart City Proposal

Annexure III: Revised Panaji Smart City Proposal Financial Plan (along with the ULB Contribution for O&M for 10 years)

Intervention	Smart City proposal component		Public Private Partnership	Convergence with other schemes	Operation & maintenance (10 years) (A)	Revenue generation (10 years) (B)	ULB Contribution for O&M (10 yrs)** (A-B)
	Total	Central Govt.					
Area Based Development	483.01	267.06	267.06	100 (+ 59.44 AMRUT*)	57.66	54.67	2.99
Pan City	51.11			396.83	7.96	---	7.96
Total	534.12	267.06	267.06	159.44	65.62	54.67	10.95

Total cost including SCP, PPP, Convergence, O&M: 534.12 + 396.83 + 159.44 + 65.62 = 1156.01 Cr

*Atal Mission for Rejuvenation and Urban Transformation (AMRUT) funding Commitment from MoUD, Govt for City is 29.72 Cr. and matching grant from Government of Goa is 29.72 Cr. Total budget allocated is 59.44 CR.

**The difference in amount between the overall Revenue generation and Operation & Maintenance Cost for proposed Area-based and Pan-City interventions over the period of 10 years will be supported by The Corporation of the City of Panaji (CCP) through its own/other resources.

Note: Above figure does not include 100 Cr fund allocation to Government of Goa under "Swadesh Darshan" by Govt


SURENDRA FURTADO
 MAYOR
 Corporation of the City of Panaji

Annexure 4.2.1: High Powered Steering Committee's approval for Revised Smart City Proposal – Panaji

CHIEF SECRETARY



GOVERNMENT OF GOA,
Secretariat, Porvorim,
Bardez-403 521.
Tel.: 0832-2419402, 2419658
Fax: 91-0832-2415201
E-mail: cs-goa@nic.in

D.O. No.GSIDC/SMD/Smartcity/Engg/Works/1136

11th April, 2016

Sub:- Regarding submission of Revised Panaji Smart City Proposal under "Fast Track Competition" of Smart City Mission

Dear *Sh Gauba,*

The Panaji Smart City Proposal has been revised based on the extensive citizen engagement in light of the observations received through D.O. No.K-15016/157/2015-SC-I dated 10th February, 2016 and as per the benchmark set by the first batch of twenty winning cities.

The State-level High Powered Steering Committee (HPSC) for Goa State on Smart Cities Mission has reviewed in detail the complete Revised Panaji Smart City Proposal along with the Financial and Implementation Plan during the 6th HPSC meeting and approved the submission of the same.

The Final revised Panaji Smart City Proposal is forwarded for your kind consideration and perusal under the "Fast Track Competition" of Smart Cities Mission.

With kind regards,

Yours

Smeed
R. K. Srivastava
(R. K. Srivastava)

Shri Rajiv Gauba, IAS
Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi – 110 011.

Encl:- Minutes of 6th State-Level High Powered Steering Committee (HPSC) for the Smart Cities Challenge

**MINUTES OF 6TH STATE LEVEL HIGH POWERED STEERING COMMITTEE (HPSC)
FOR THE SMART CITIES CHALLENGE: PANAJI HELD AT 2 PM ON 4TH APRIL,
2016 AT SECRETARIAT BLOCK, PORVORIM, GOA**

The following members attended the 6th HPSC meeting:-

Shri R. K. Srivastava Chief Secretary / Chairman (HPSC)/ Pr. Secretary, TCPD	Chairman
Shri. Daulat Hawaldar Secretary (Finance & Planning)	Member
Shri. D.J.S. Borkar Principal Chief Engineer, Public Works Department	Member
Shri Surendra Furtado Hon'ble Mayor, CCP	Member
Shri Sanjit Rodrigues Commissioner, CCP	Member
Shri. Sudhir Mahajan Principal Secretary (Urban Development)	Member Secretary

The Commissioner, CCP presented the minutes of 5th State-level High Powered Steering Committee held on 14th Dec, 2015 (as at Annexure I). The Committee reassessed the Panaji Smart City Proposal which was submitted to Government of India on 15th Dec, 2015. Commissioner apprised the Committee that the revised Panaji Smart City Proposal which has been elaborately upgraded through extensive citizens engagement in light of the Ministry of Urban Development, Government of India's Panel of Experts observations provided through DO No. K-15016/157/2015-SC-I dated 10th Feb, 2016 and on examining the proposals of the twenty winning cities was deliberated in detail.

The Committee took up the Revised Panaji Smart City Proposal and discussed in detail. The entire implementation and financial plan of the Revised Panaji Smart City Proposal was explained to the Committee by the Commissioner and ensured that the requisite changes have been made in the Revised Panaji Smart City Proposal.

The Committee, after deliberations, approved the entire Revised Smart City Proposal which was placed before them along with the financial plan as annexed at Annexure –II.

The Chairman Congratulated the entire team who had worked on the proposal within a short time frame and wished them best of luck in their in the Fast Track Competition.

Annexure I: Minutes of 5th State Level High Powered Steering Committee (SLHPSC) for the Smart Cities Challenge: Panaji held at 1:00 PM on 14th December 2015

MINUTES OF 5TH STATE LEVEL HIGH POWERED STEERING COMMITTEE (SLHPSC) FOR THE SMART CITIES CHALLENGE : PANAJI HELD AT 1:00 P.M. ON 14TH DECEMBER 2015 AT SECRETARIAT BLOCK, PORVORIM, GOA

The following members attended the 5th SLHPSC meeting :-

Shri R. K. Srivastava Chief Secretary / Chairman (SLHPSC)	Chairman
Shri Sidharth Kuncalienker, MLA, Panaji	Special Invitee
Shri Shubham G. Chodankar Mayor, Corporation of the City of Panaji (CCP)	Member
Dr. Sharat Chauhan Principal Secretary (Finance)	Member
Shri Sanjit Rodrigues Commissioner, CCP	Member
Shri Gupta Chief Engineer, Public Works Department	Member
Shri S. T. Putturaju Chief Town Planner	Chief Town Planner, Town & Country Planning Department
Shri Satish Desai, Additional Director, Municipal Administration, Panaji	Representative of Department of Urban Development

(1) Approval of Minutes of the 4th State Level High Powered Steering Committee meeting held on 27th November 2015.

The Commissioner, CCP presented the minutes of the 4th State Level High Powered Steering Committee meeting held on 27th November 2015 and indicated that all changes proposed by the committee in its previous meeting have been incorporated in the final Smart City proposal for Panaji. The changes are :-

- (a) **Special Purpose Vehicle (SPV)** : As per the discussions held in the previous meeting and as indicated therein, the Principal Chief Engineer, PWD is included in the proposed Board of Directors of the SPV. One member from Institute of Engineers / Institute of Architects / Institute of Planners has been also included. Further, one

representative each from the Department of Urban Development, Government of Goa and Department of Finance, Government of Goa has been added. Accordingly, the structure of the proposed SPV, as included in the ANNEXURE – I of the minutes, was approved.

2) Panaji Smart City Proposal along with implementation and Financial Plan.

The committee took up the Panaji Smart City proposal and discussed in detail. The entire implementation plan as well as the financial plan was explained to the committee by the Commissioner. The funding proposal showing contribution from the State Government, Corporation of the City of Panaji (ULB) and public private partnership (PPP) mechanism was discussed. The Chairman reiterated that it was extremely important that the ULB contributes towards the O & M charges from increased revenue generation and takes ownership of the proposal. The Hon'ble Mayor and Commissioner, CCP stated that they are committed towards the ULB contribution and assured to take full ownership of the proposal. The Chairman further enquired whether support letters from all respective line departments for the proposal were received. The Commissioner confirmed that all line departments were on board and fully supportive of the proposal and letters indicating their participation in the proposal had been received.

The committee, after deliberations, approved the entire Smart City proposal which was placed before them along with the financial plan, as annexed at ANNEXURE – II. The Chairman congratulated the entire team who had worked on the proposal within a short time frame and wished them best of luck in the challenge.

Annexure II: Revised Panaji Smart City Proposal Financial Plan (along with the ULB Contribution for O&M for 10 years)

Intervention	Smart City proposal component			Public Private Partnership	Convergence with other schemes	Operation & maintenance (10 years) (A)	Revenue generation (10 years) (B)	ULB Contribution for O&M (10 yrs)* (A-B)
	Total	Central Govt.	State Govt.					
Area Based Development	483.01	267.06	267.06	---	778.55	57.66	54.67	2.99
Pan City	51.11			396.83		7.96	---	7.96
Total	534.12			396.83	778.55	65.62	54.67	10.95

Total cost including SCP, PPP, Convergence, O&M: $534.12 + 396.83 + 778.55 + 65.62 = 1775.12\text{Cr}$

*The difference in amount between the overall Revenue generation and Operation & Maintenance Cost for proposed Area-based and Pan-City interventions over the period of 10 years will be supported by The Corporation of the City of Panaji (CCP) through its own/other resources.

Note: Above figure does not include 100 Cr fund allocation to Government of Goa under “Swadesh Darshan” by Gol

Annexure 4.2.2: Minutes of Meeting - High Powered Steering Committee approving Panaji Smart City Proposal (Previous) dated 14 December 2015 (Cover letter)

Corporation of the City of
Panaji
Panaji Goa
14th December 2015


Sub: Drafts Minutes of the State Level High Powered Steering Committee meeting held on 14th December 2015

The Draft Minutes of the State Level High Powered Steering Committee meeting held on 14th December 2015 at 1.00p.m at Secretariat, Porvorim, Goa is placed in the file for approval.

CS and Chairman SLHPC
14/12/15

14/12/15

Sanjit Rodrigues
(Sanjit Rodrigues)
Commissioner



CORPORATION OF THE CITY OF PANAJI
Panaji - Goa 403 001 INDIA.
Tel: (91-832) 222 3339, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2426958
E-mail: commissions@ccogoa.com | Web: www.ccogoa.com

Ref: CCP/PROJECTS/ SMARTCITY/2015-16/ 9641-14 December 2015

To,

1. The Chief Secretary, Government of GoaChairman
2. The Pr. Secretary (Finance), Government of GoaMember
3. The Pr. Secretary (Planning), Government of GoaMember
4. The Principal Chief Engineer, Public Works DepartmentMember
5. The Pr. Secy/Director of TCPD – Town & Country PlanningMember
6. The Mayor, Corporation of the City of PanajiMember
7. CEO of SPVMember
8. The Director of Urban DevelopmentMember
9. The Representative of Ministry of Urban Development, Government of IndiaMember
10. The Pr. Secretary (Urban Development), Government of GoaMember Secretary

Sub: Minutes of the State Level High Powered Steering Committee.

Sir,

Please find enclosed herewith the Minutes of the State Level High Powered Steering Committee held on 14th December 2015 in the Conference Hall, Secretariat, Porvorim Goa.

This issues with the approval of Chairman, SLHPC.

Thanking you

Yours Sincerely,
Sanjit Rodrigues
(Sanjit Rodrigues)
Commissioner

Encl: As above

Copy to:

1. The Hon'ble M.L.A. Panaji Constituency
2. The Member Secretary, GSUDA, 6th floor Shrama Shakti Bhavan, Panaji

Annexure 4.2.3: Minutes of Meeting - High Powered Steering Committee approving Panaji Smart City Proposal (Previous) dated 14 December 2015 (Page 1 and 2)

MINUTES OF 5TH STATE LEVEL HIGH POWERED STEERING COMMITTEE (SLHPSC) FOR THE SMART CITIES CHALLENGE : PANAJI HELD AT 1:00 P.M. ON 14TH DECEMBER 2015 AT SECRETARIAT BLOCK, PORVORIM, GOA

The following members attended the 5th SLHPSC meeting :-

Shri R. K. Srivastava Chief Secretary / Chairman (SLHPSC)	Chairman
Shri Sidharth Kuncalienker, MLA, Panaji	Special Invitee
Shri Shubham G. Chodankar Mayor, Corporation of the City of Panaji (CCP)	Member
Dr. Sharat Chauhan Principal Secretary (Finance)	Member
Shri Sanjit Rodrigues Commissioner, CCP	Member
Shri Gupta Chief Engineer, Public Works Department	Member
Shri S. T. Putturaju Chief Town Planner	Chief Town Planner, Town & Country Planning Department
Shri Satish Desai, Additional Director, Municipal Administration, Panaji	Representative of Department of Urban Development

(1) Approval of Minutes of the 4th State Level High Powered Steering Committee meeting held on 27th November 2015.

The Commissioner, CCP presented the minutes of the 4th State Level High Powered Steering Committee meeting held on 27th November 2015 and indicated that all changes proposed by the committee in its previous meeting have been incorporated in the final Smart City proposal for Panaji. The changes are :-

- (a) **Special Purpose Vehicle (SPV)** : As per the discussions held in the previous meeting and as indicated therein, the Principal Chief Engineer, PWD is included in the proposed Board of Directors of the SPV. One member from Institute of Engineers / Institute of Architects / Institute of Planners has been also included. Further, one

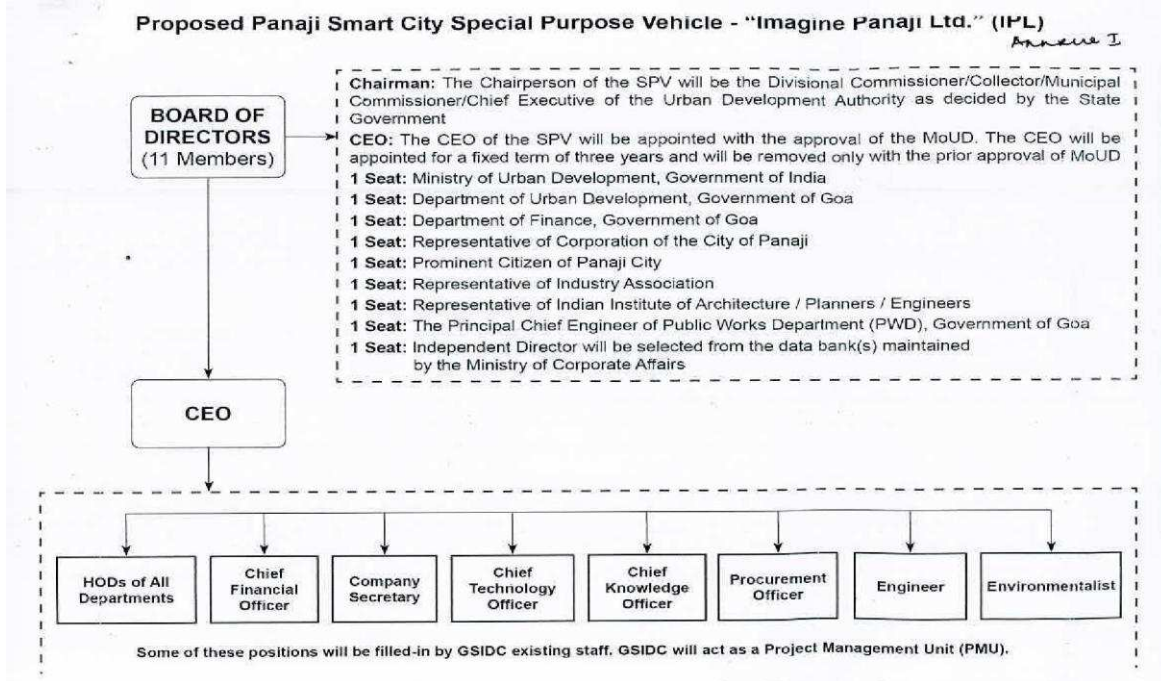
representative each from the Department of Urban Development, Government of Goa and Department of Finance, Government of Goa has been added. Accordingly, the structure of the proposed SPV, as included in the ANNEXURE – I of the minutes, was approved.

(2) Panaji Smart City Proposal along with implementation and Financial Plan.

The committee took up the Panaji Smart City proposal and discussed in detail. The entire implementation plan as well as the financial plan was explained to the committee by the Commissioner. The funding proposal showing contribution from the State Government, Corporation of the City of Panaji (ULB) and public private partnership (PPP) mechanism was discussed. The Chairman reiterated that it was extremely important that the ULB contributes towards the O & M charges from increased revenue generation and takes ownership of the proposal. The Hon'ble Mayor and Commissioner, CCP stated that they are committed towards the ULB contribution and assured to take full ownership of the proposal. The Chairman further enquired whether support letters from all respective line departments for the proposal were received. The Commissioner confirmed that all line departments were on board and fully supportive of the proposal and letters indicating their participation in the proposal had been received.

The committee, after deliberations, approved the entire Smart City proposal which was placed before them along with the financial plan, as annexed at ANNEXURE – II. The Chairman congratulated the entire team who had worked on the proposal within a short time frame and wished them best of luck in the challenge.

Annexure 4.2.4: Minutes of Meeting - High Powered Steering Committee approving Panaji Smart City Proposal (Previous) dated 14 December 2015 (Annexure 1 and 2)



Annexure II

Overall Financial Summary – Panaji Smart City Proposal

Intervention	Smart city proposal component			Public Private Partnership	Contingency and O&M (State Govt./ULB) (B)	PPP/Revenue generation (5 years)	Overall funding requested from State Govt./ULB(A+B)
	Total	Central Govt.	State Govt./ULB (A)				
Area Based Development	403.08	304.22	304.22		72.69	13.92	376.91
Pan City	205.35			299.98			
Total SCP	608.44			299.98	72.69	13.92	376.91

Year Wise Overall Financial Plan– Panaji Smart City Proposal

Cost head	Total Cost	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6-10
Smart City Proposal project cost per year (Pan city +Area based)	608.44	203.31	175.31	156.61	73.21		
Contingency costs (2%)	12.17	4.07	3.51	3.13	1.46		
O&M costs (4% O&M costs for first 5 years, 6.25% O&M cost next 5 years)	60.52		3.86	5.46	6.21	6.21	38.79
Contingency and O&M costs per year	72.69	4.07	7.37	8.59	7.67	6.21	38.79
Grand Total (Incl. Cont.and O&M costs)		681.13					
State Govt + ULB funding (Incl. Cont. and O&M)	376.91	105.72	95.02	86.90	44.28	6.21	38.79
Central Govt. funding per year	304.22	101.66	87.66	78.31	36.61		

All the figures are in Crores

Annexure 4.2.5: Goa state government's support letter for Sectorial support under Smart City Proposal- Panaji

BACKGROUND INFORMATION NOTE ON GOVERNMENT OF GOA'S SUPPORT OVER PANAJI SMART CITY PROPOSED INTERVENTIONS PREREQUISITES

Panaji Smart City Proposal had been prepared through extensive Citizen Engagement and been submitted to the Government of India on 14th Dec, 2015. A Panel of Experts of Ministry of Urban Development, Government of India gave observations on the Panaji Smart City Proposal to upgrade through DO No. K-15016/1572015-SC-1 dated 10th Feb., 2016.

Based on the Panel of Experts observations and strategic review of the twenty Winning Cities Proposal, Panaji Smart City Proposal is being upgraded. The selected components and interventions are deliberated extensively among the Citizens, Line departments, Stakeholders, Architects, and Urban Planners etc. Some of the following components of the Panaji Smart City Proposal are dependents on the prerequisites which require Government of Goa's support to ensure execution through its ongoing proposals.

Sub. : Regarding Implementation of Panaji Smart City Proposal Components.

Sir,

Panaji City has upgraded its Smart City Proposal based on the extensive Citizen Engagement exercise and Government of India's Panel of Experts observations through DO No. K-15016/1572015-SC-1 dated 10th Feb., 2016. It is important to note that the Smart City Proposal addresses the strategic priority areas and issues identified in the existing Panaji Holistic Master Plan, City Development Plan, City Sanitation Plan, Comprehensive Mobility Plan and other City level service planning documents.

The selected interventions of the Area-based and Pan City Components of Smart City Proposal will assist City to attain the requisites incorporating the smart applications as per the given objectives of the Smart City Mission.

This office has looked at the upgraded Panaji Smart City Proposal and is aware of interventions proposed under the Area Based and Pan City components. Some of the interventions proposed are linked to the ongoing proposals being implemented through or with support of the State Government.

This is to confirm the Government of Goa's commitment to support the implementation of the proposed projects for the successful initiation of the identified Smart City Proposal components within the City of Panaji.

Thanking you,

Yours sincerely,

(Sudhir Mahajan)
Secretary (Urban Development)

S. No.	Components	Details
1	Semi pedestrianization of Church square area	1. Implementation of Light BRT proposal of Transport Department, Government of Goa 2. Parking fee to be imposed in Core Area
2	Interlinking core city and Patto area for citizens and tourists (including Mala Lake revitalization)	1. Mala lake flood control project 2. Patto Waste Management plant relocation 3. Execution of Green belt project components by Tourism department i.e. Rejuvenation of selected unhygienic places in Area-based Development, Beautification of Patto Bridge, Landscaping near cruise jetty, and Soil conservation measures
3	Integrated Urban Water Management (UWM)	1. Completion of 24 x 7 water supply project
4	Smart Environmental Services – (i) Tracking devices and MIS for waste collection and transportation, (ii) Biometric Attendance system (iii) CCTV surveillance of black spots (iv) ICT solutions for automation of ISWM facility (v) ICT solutions for Material Recovery Facility and Resource Centre (vi) Web and Mobile based apps for citizen interface	1. Implementation of Integrated Solid Waste Management Project
5	Smart Transportation and Eco Mobility- Smart/ IT enabled components for Buses, Ferry and Public Bikes	1. Procurement of Buses and Ferry 2. Redesign of Kadamba Bus Terminus

Annexure 4.3: In-Principle approval from **Public Works Department of Goa** for implementing Smart City Proposal

ENTRY
No. 12148
DATE 11 DEC 2015

No. 19/ 8/PCE/PWD/EO/2015-16/262
Government of Goa,
Office of the Principal Chief Engineer,
Public Works Department,
Altinho, Panaji-Goa.
(Tel.No.2224984 Fax: 2225297)
E-mail: pce-pwd.goa@nic.in
Date: 10/12/2015.

To,
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi-110011.

Sub: In-Principle approval for extending support for implementation of Panaji Smart City proposal.

Respected Sir,

With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, the Public Works Department approves in principle to be involved in the following interventions through its ongoing and upcoming projects:

1. Development of Pedestrian links between Mala and Patto;
2. Up gradation of Patto STP;
3. Installation of Vacuum sewers in Mala and Patto pockets;
4. 100% recycling of wastewater;
5. Commitment for execution of 24X7 water supply of the Panaji city (CCP area);
6. Real time quality and quantity monitoring of treated effluent;
7. Flood control measures in Mala area Mala lake revitalization;
8. Utility trenches for water, telecom and electricity;
9. Laying of new sewerage lines;
10. Improvement of existing storm water drains and construction of new drains;
11. Improvement of open spaces;
12. Improvement and Pedestrianization of roads;
13. Provision of Public toilets;
14. Installation of smart water meters;
15. Extension of Garcia de Orta.

Yours faithfully,


(D.J.S. Borker)
Principal Chief Engineer,
P.W.D.

Copy to:
The Commissioner, Corporation of the City of Panaji, Panaji-Goa.
C.w.cs.to:
The Pr. Secretary-PWD, Govt. of Goa, Secretariat, Porvorim, Goa.

Annexure 4.4: In-Principle approval from **Department of Information Technology** for implementing Smart City Proposal



Department of Information Technology
Government of Goa
2nd Floor, Alcon Construction, Above Alcon Hyundai Showroom,
Porvorim, Bardez, Goa - 403 561 India

7(379)/2011/DOIT/GBBN-Miscellaneous/ 1536

Dated: 08/12/2015

To
The Secretary
Ministry of Urban Development
Nirman Bhavan
Maulana Azad Road
New Delhi 110011

Sub: Approval in principle for the involvement and support in implementation of smart city proposals

Reference: CCP/PROJECTS/SMART-CITY/2015-16/9502 dated 1/12/2015

Respected Sir,

With reference to the submission of the smart city proposal from Panaji for the smart cities challenge, the Department of Information Technology approves in principle to be involved in and fully support the following interventions through its ongoing and upcoming projects.

1. Enabling Wi-Fi hotspots for church square area revitalization
2. Utility trench for telecom services
3. All e-governance initiatives under the smart city proposal

Thanking You



Yours faithfully


Shilpa Strindhe, IAS
Director(IT)

Copy To:

1. The Commissioner, Corporate City of Panaji, Panaji-Goa, Pin-403001
2. Office copy

Annexure 4.5: In-Principle approval from **Goa state Pollution Control Board** for implementing Smart City Proposal

GOA STATE POLLUTION CONTROL BOARD
गोंय राज्य प्रदुशण नियंत्रण मंडळ
(An ISO 9001-2008 Certified Board)

Phone Nos : 91-832-2438567, 2438528
2438563, 2438550
Tel / Fax No. : 0832-2438528



Email id's :
Member Secretary, GSPCB - ms-gspcb.goa@nic.in
Environment Engineer, GSPCB - ee-gspcb.goa@nic.in
Scientist, GSPCB - scientist-gspcb.goa@nic.in
Asst. Env Engineer, GSPCB - aee-gspcb.goa@nic.in
Asst. Law Officer, GSPCB - alo-gspcb.goa@nic.in

No.1/20/15-PCB | 1588

8/12/2015

The Secretary
Ministry of Urban Development
Nirman Bhawan
Maulana Azad Road
New Delhi

Respected Sir,

Sub : Approval in principle for the involvement and support in implementation of Smart city proposals.

With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, the Goa State Pollution Control Board approves in principle to be involved and fully support in the following interventions:

1. Mala Lake revitalization
2. Real time quality monitoring of creek water.

Yours faithfully

(Levinson J. Martins)
Member Secretary
Goa State Pollution Control Board

Annexure 4.6: In-Principle approval from **Department of Town and Country Planning** for implementing Smart City Proposal



Office of the Chief Town Planner
Town & Country Planning Department
2nd Floor, Dempo Tower, Patto Plaza, Panaji – Goa.
Ph:2437352, 2437353, 2437354, 2437355, Fax:2437351

Ref: 2517/TEP/2015/4933

Date: 09/12/2015

To,
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi – 110011.

Respected Sir,

Sub:- Approval in principle for the involvement and support in implementation of Smart City proposals.

With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, the Town and Country Planning Dept., Govt. of Goa, approves in principle to be involved and fully support in the following interventions through its ongoing and upcoming projects.

1. Development and implementation of conservation plan for heritage and conservation.
2. Signage development with focus on heritage and conservation
3. Facilitate studies related to heritage and conservation, including TDR and Adaptive reuse to be conducted under Conservation Plan.
4. Facilitate development of GIS database for heritage in the Area based development.
5. Facilitate implementation of one TDR pilot project (if required) within Area based development.
6. Scope to explore mixed land use options in Patto Area.

Thanking you,

Yours faithfully,


Dr. S.T. Puttaraju
Chief Town Planner

Annexure 4.7: In-Principle approval from Kadamba Transport Corporation and Directorate of Transport, Goa for implementing Smart City Proposal

KADAMBA TRANSPORT CORPORATION LTD.



(Govt. Of Goa, India) (Incorporated in India)
 Registered Office:
 Panaji, Goa
 Alt. - Porvath, Bardez, Goa-403 521
 Ph.: 0832-2415801 / 02 / 03 / 2415806 Fax: 0832-2415903
 E-mail: ktc@ktpco.com

No. KTC/AE(C)/2015-16/398

Date: - 02.12.2015

To,
 The Secretary,
 Ministry of Urban Development,
 Nirman Bhawan,
 Maulana Azad Road,
 New Delhi 110 011.

Sub: Approval in principle for the involvement and support in implementation of Smart city proposals.

Respected Sir,

With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, the Kadamba Transport Corporation of Panaji approves in principle to be involved in and fully support the following interventions through its ongoing and upcoming projects:

1. Renovation of Kadamba Bus Terminus.
2. Coordination and implementation of initiatives proposed to address eco – mobility and public transport in Panaji.
3. Single ticket facility for multi model transport.

Thanking you,

Yours faithfully,

(Dimitri Pereira Neto)
 Managing Director

Copy to:

1. The Director of Transport, Directorate of Transport, Junta House, Panaji Goa..... This letter is issued subject to approval of Government.
2. The Commissioner, Corporation of City of Panaji Panaji Goa..... This letter is issued subject to approval of Government.



Government of Goa
 Directorate of Transport
 1st floor, Junta House,
 Panaji-Goa

Ph: 0832-2225606, Fax: 0832-2225724

Email : dir-tran.goa@nic.in

No.D.Tpd/EST/2347/2015/4teoz-

Dated : 11/12/2015

To,
 The Secretary,
 Ministry of Urban Development,
 Nirman Bhavan,
 Maulana Azad Road,
 New Delhi-110011.

Sub:- Approval in Principle for the involvement and support in implementation of Smart city proposals.
 Ref:- CCP/PROJECTS/SMART-CITY/2015-16/9502 dt. 01/12/2015
 from Corporation of the City of Panaji.

Sir,

With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, I am directed inform you that the Department of Transport approves in principle to be involved in and fully support the following interventions through its ongoing and upcoming projects:

1. Renovation of Kadamba Bus Terminal.
2. Coordination and implementation of initiatives proposed to address eco-mobility and public transport.
3. Pedestrianization in front of the Church square area.
4. Single ticket.

Yours faithfully,

(V.J. Govekar)
 Dy. Director of Transport (N)

Annexure 4.8: In-Principle approval from **District Magistrate** for implementing Smart City Proposal



OFFICE OF THE DISTRICT MAGISTRATE, NORTH GOA
Magisterial Branch, Collectorate Bldg., Panaji - Goa - 403001.
Phone Nos: 2427690, 2225083, 2225383 (EPBX)
Fax No:- 2427690/2225083/2225383 (Ext. No.218)
Email:- magbr-coln.goa@nic.in

No. 23/5/2014/MAG/TISW/9520

Date: 8 /12/2015.

To,
The Secretary,
Ministry of Urban Development,
Government of India,
Nirman Bhawan, Moulana Azad Road,
New Delhi 110011.


Sub. **In - Principle approval for extending support for implementation of Panaji Smart City proposal.**

Sir,

With reference to the submission of the Smart City proposal from Panaji for the Smart Cities Challenge, the office of the **District Magistrate, North Goa, Panaji** approves in principle to be involved in and fully support the following interventions through its ongoing and upcoming projects.

1. Pedestrianization in front of the Church square area revitalization.
2. Light Bus Rapid Transit for Panaji.
3. Parking facilities in Panaji.





(Nila Mohanan, IAS)
District Magistrate
North Goa

Copy to:

1. The Commissioner, Corporation of the City of Panaji, Panaji Goa

Annexure 4.9.1: In-Principle approval from Captain of Ports and willingness letter from private vendor to operate Ferry system on Public Private Partnership



Captain of Ports Department
Government of Goa
Dayanand Bandodkar Road,
Panaji - Goa - 403001, India.
Phone Nos: +91(0832) 2225070/2426109
Website: www.ports.goa.gov.in
E-mail: captainofports@eth.net
Shipping - Phone Nos.: +91(0832) 2420579/2420580 Fax: +91(0832) 2420582

No. A-27130/CCP/Smart City/4480 Dated: 04/12/2015

The Secretary
Ministry of Urban Development
Nirman Bhawan
Maulana Azad Road
New Delhi 110011

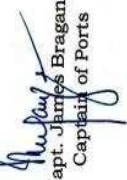
Respected Sir,

Sub: Approval in principle for the involvement and support in implementation of Smart City Proposals.


With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, the Captain of Ports Department approves in principle to be involved in and fully support the following interventions through its ongoing and upcoming projects:

1. Coordination and implementation of initiatives to improve the ferry system to address eco-mobility and public transport in Panaji.

Thanking you,

Yours faithfully,

(Capt. James Braganza)
Captain of Ports

Copy to :
1) Shri. Sanjit Rodrigues, Commissioner,
CCP of Panaji.



Ref: Goa/MPT/15/ 015
8th December 2015
The Commissioner
City Council of Panaji
Goa

Sub: Ferry Service for City of Panaji

Ref: Your email dated 3rd December 2015


Dear Sir

By this letter we express our interest to participate in the *award* process for providing of the ferry service servicing Panaji thereby connecting the city of Panaji to the below locations under the PPP model on BOO basis.

1. Betim
2. Ribandar
3. Chorao Island
4. Old Goa
5. Divar Island
6. Vasco
7. Baga
8. Reis Magos


Sir, some of the locations shall be connected under the contemplated Baima ferry service which has been awarded to us by the Mormugao Port Trust.

Thanking You
Yours Truly
For DRISHTI MARINE SOLUTIONS PVT LTD


MANOJ AGI WAL
DIRECTOR

DRISHTI MARINE SOLUTIONS PVT LTD
Regd Off : Top Fir Melha Mahal, 15 Mathew Road, Opera House, Mumbai 4 . TEL: 23677115; FAX: (022) 2364 2363
Goa Office : Plot No S - 10, Versa Industrial Estate, Versa Salcote Goa 403722.
Tel: 092772231820 Fax : 2451282 -CIN: U51102MH1999122787

Annexure 4.9.2: In-Principle approval from Murgao Port Trust, River Navigation Department for water based transport



An ISO 9001:2008 Port
ISPS CODE Compliant

मुर्गाव पोर्ट ट्रस्ट
मार्गाव पोर्ट ट्रस्ट, रस्ता, गोवा-403 804
MORMUGAO PORT TRUST
ADMINISTRATIVE OFFICE: HEADLAND, SADA, GOA-403 804
Mail:mpgca@mpgca.com, Website:www.mpgca.com

CEPR&C-55/4640 Date: Dec. 2015
5th

To,
The Secretary,
Ministry of Urban Development
Nirman Bhawan,
Maulana Azad Road,
New Delhi - 110 011.


Respected Sir,

Sub : Approval in principle for the involvement and support in implementation of Smart City Proposals.

With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, the Mormugao Port Trust approves in principle to be involved in and fully support the following interventions through its ongoing and upcoming projects :

1. Coordination and implementation of initiatives to improve the ferry system to address eco-mobility and public transport into Panaji.

This issues with the approval of Chairman.

Yours faithfully,

(L. A. ...)
Chief Engineer

cc to :
The Commissioner
Corporation of the City of Panaji
Panaji Goa - 403 001.

कृपया आदेश सही वास्तु में हमारी कार्यवाही करें। | Please quote our file reference in all your correspondence

Chairman	2594000	2594003	2594101	2594201	2594301	2594401	2594501	2594601	2594701	2594801	2594901	2595000
Dy. Chairman	2595000	2595100	2595200	2595300	2595400	2595500	2595600	2595700	2595800	2595900	2596000	2596100
Chief Engineer	2596100	2596200	2596300	2596400	2596500	2596600	2596700	2596800	2596900	2597000	2597100	2597200

CEPR&C
11894
4 DEC 2015

RIVER NAVIGATION DEPARTMENT
Government of Goa
Betim - Bardez Goa

No.RND/Admn/CCP/29215-16/1614 Dated:- 04/12/2015

To
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi-110011.


Respected Sir,

Sub:- Approval in principle for the involvement and support in implementation of Smart city proposals.

With reference to the submission of the Smart city Proposal from Panaji for the Smart Cities Challenge, the River Navigation Department of Panaji approves in principle to be involved in and fully support the following interventions through its ongoing and upcoming projects.

1. Coordination and implementation of initiatives to improve the ferry system to address eco-mobility and public transport.

Thanking you,

Yours faithfully,

(Capt. James Braganza)
Captain of Ports.

Copy to:-
1. The Commissioner, Corporation of City of Panaji- with a request to coordinate with Senior Supdt.(W&T), RND, Betim (Mob.No.9420689809) for further necessary steps.
2. The Sr. Superintendent (Workshop & Traffic), Marine Workshop, River Navigation Department, Betim

11894
4 DEC 2015

RIVER NAVIGATION DEPARTMENT
Government of Goa
Betim - Bardez Goa

No.RND/Admn/CCP/29215-16/1614 Dated:- 04/12/2015

To
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi-110011.


Respected Sir,

Sub:- Approval in principle for the involvement and support in implementation of Smart city proposals.

With reference to the submission of the Smart city Proposal from Panaji for the Smart Cities Challenge, the River Navigation Department of Panaji approves in principle to be involved in and fully support the following interventions through its ongoing and upcoming projects.

1. Coordination and implementation of initiatives to improve the ferry system to address eco-mobility and public transport.

Thanking you,

Yours faithfully,

(Capt. James Braganza)
Captain of Ports.

Copy to:-
1. The Commissioner, Corporation of City of Panaji- with a request to coordinate with Senior Supdt.(W&T), RND, Betim (Mob.No.9420689809) for further necessary steps.
2. The Sr. Superintendent (Workshop & Traffic), Marine Workshop, River Navigation Department, Betim

Annexure 4.10.1: In-Principle approval from **Electricity Department** for implementing Smart City Proposal

**OFFICE OF THE
CHIEF ELECTRICAL ENGINEER,
3RD FLOOR, VIDYUT BHAVAN,
PANAJI - GOA.**

Phone No: 0832-2234155

E-mail Id: cee-elec.goa@nic.in

No: 51(4)/CEE/PLG/TECH/2015-16/1595

Date: 8/12/2015

To,
The Secretary,
Ministry of Urban Development,
Nirman Bhavan,
Maulana Azad Road,
New Delhi - 110 011.

Sub.: Approval in principle for the involvement and support in implementation of Smart City proposals

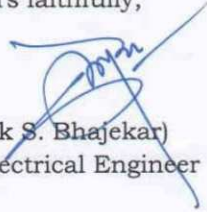
Dear Sir,

With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, the Electricity Department, Government of Goa, approves in principle to be involved in and support the following interventions through its ongoing and upcoming projects:

1. Installation of smart grid
2. Energy Efficient Street Lighting systems
3. Utility trenches for electricity network
4. Any other initiative pertaining to Electricity in Panaji.

Thanking you,

Yours faithfully,


(Dipak S. Bhajekar)
Chief Electrical Engineer

Annexure 4.10.2: Commitment letter of **Electricity Department** for implementing **Integrated Power Distribution System (IPDS)** in Panaji (IPDS)

**OFFICE OF THE
CHIEF ELECTRICAL ENGINEER
GOVERNMENT OF GOA
VIDYUT BHAVAN, 3RD FLOOR, PANAJI, GOA**

Phone: 0832-2224680 Fax 0832-2426986 E-mail:-cee-elec.goa@nic.in

No: 51(3)/CEE/TECH/2016-17/123

Dated: 15/04/2016

To,
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110 001.

Sub: Regarding Status of the Integrated Power Development Scheme (IPDS) for
Convergence in to Panaji Smart City Proposal

Sir,

It is to confirm that the Electricity Department Goa has prepared Integrated Power Development Scheme (IPDS) Detailed Project Report (DPR) and submitted it to the Government of India under Power for all schemes which targets at strengthening distribution networks and ensure 24x7 power supply to all by 2022. Out of the total budgeted amount only Rs.32.07 Cr. has been sanctioned for complete State which includes Rs.29 Cr. for Meters and Rs.3 Cr. for Solar Roof top photo voltaic. The Distribution Reforms Committee (DRC) and District Electricity Committee (DEC) have been called to discuss over the allocation of the funds and to decide the availing of the funds allocated to Goa.

Yours sincerely,



(Deepak S. Bhajekar)
Chief Electrical Engineer

Copy to: The Commissioner, Corporation of the City of Panaji

Annexure 4.10.3: Commitment letter of **Electricity Department** for implementing **Smart Grid** project under Smart City Proposal

**OFFICE OF THE
CHIEF ELECTRICAL ENGINEER
GOVERNMENT OF GOA
VIDYUT BHAVAN, 3RD FLOOR, PANAJI, GOA**

Phone: 0832-2224680 Fax 0832-2426986 E-mail:-cee-elec.goa@nic.in

No:51(3)/CEE/TECH/2016-17/122

Dated: 15/04/2016

To,
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110 001.

Sub: Regarding Status of the Smart Grid Proposal for Convergence in to Panaji
Smart City Proposal

Sir,

It is to inform you that the Panaji Smart Grid Proposal has been prepared amounting Rs.141.59 Cr. under the National Smart Grid Mission (NSGM) which has been sent to Ministry of Power, Government of India. The Government of India has directed to form the State Level Project Monitoring Units (SLPMUs) for smart grid activities, which has been formed and the Detailed Project Report (DPR) will be placed before the SLPMU for approval, post which it will be presented to the Government of India for approval.

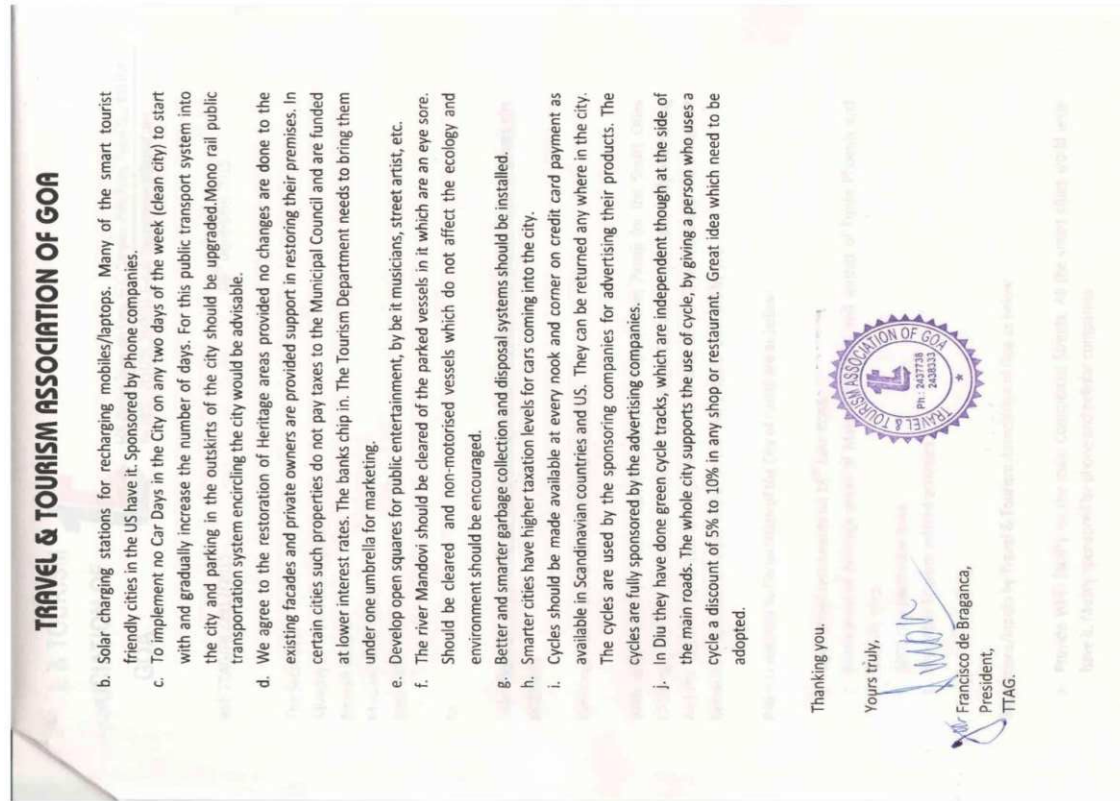
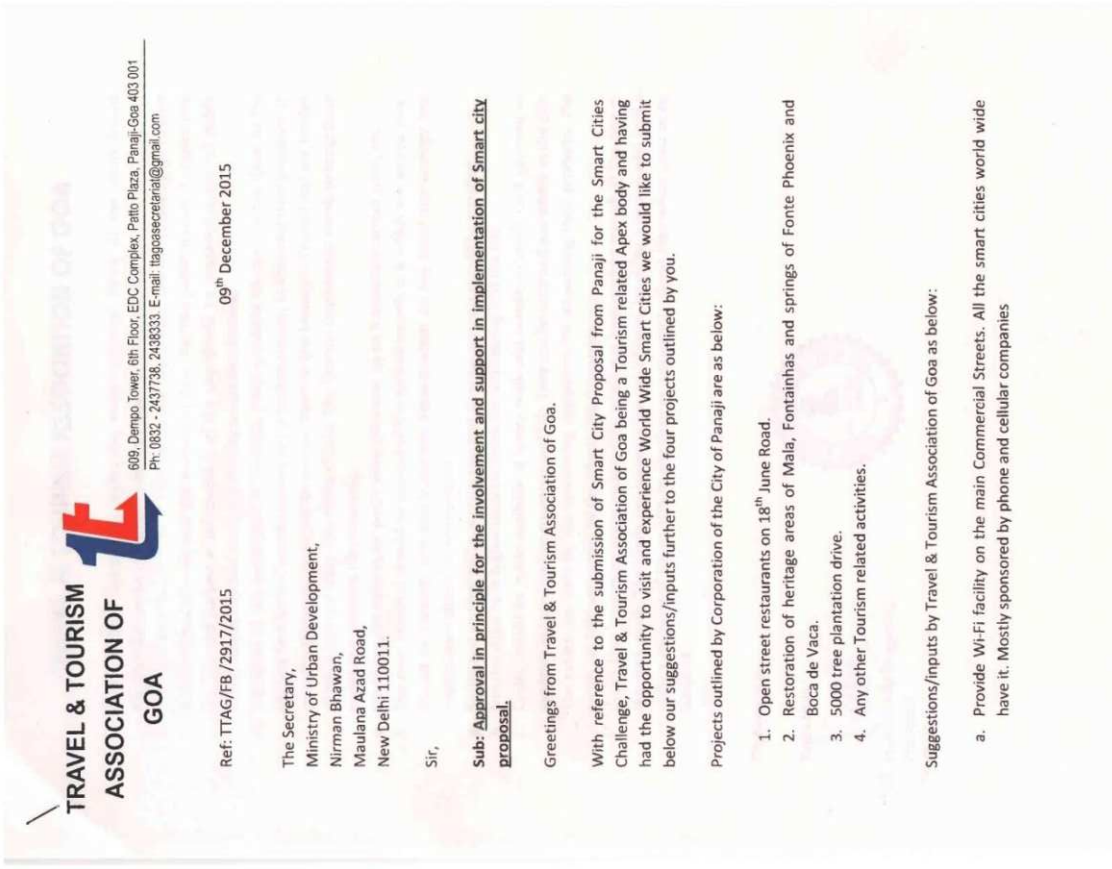
Yours sincerely,



(Deepak S. Bhajekar)
Chief Electrical Engineer

Copy to: The Commissioner, Corporation of the City of Panaji

Annexure 4.11 : In-Principle approval from Travel and Tourism Association of Goa for implementing Smart City Proposal



Annexure 4.12: In-Principle approval from **Food and Drug Administration Department** for implementing Smart City Proposal



Directorate of Food & Drugs Administration
Government of Goa
Dhanwantari, Opp. Shrine of the Holy Cross, Bambolim - Goa - 403 202

No. DFDA/FSSA/GOA/MISC/98(186)/2015-16/ 5442

December 4, 2015

To,
The Commissioner,
Corporation of the City of Panaji,
Panaji, Goa 403001

Sub : In-Principle approval for extending support for implementation of Panaji Smart City Proposal

Sir,

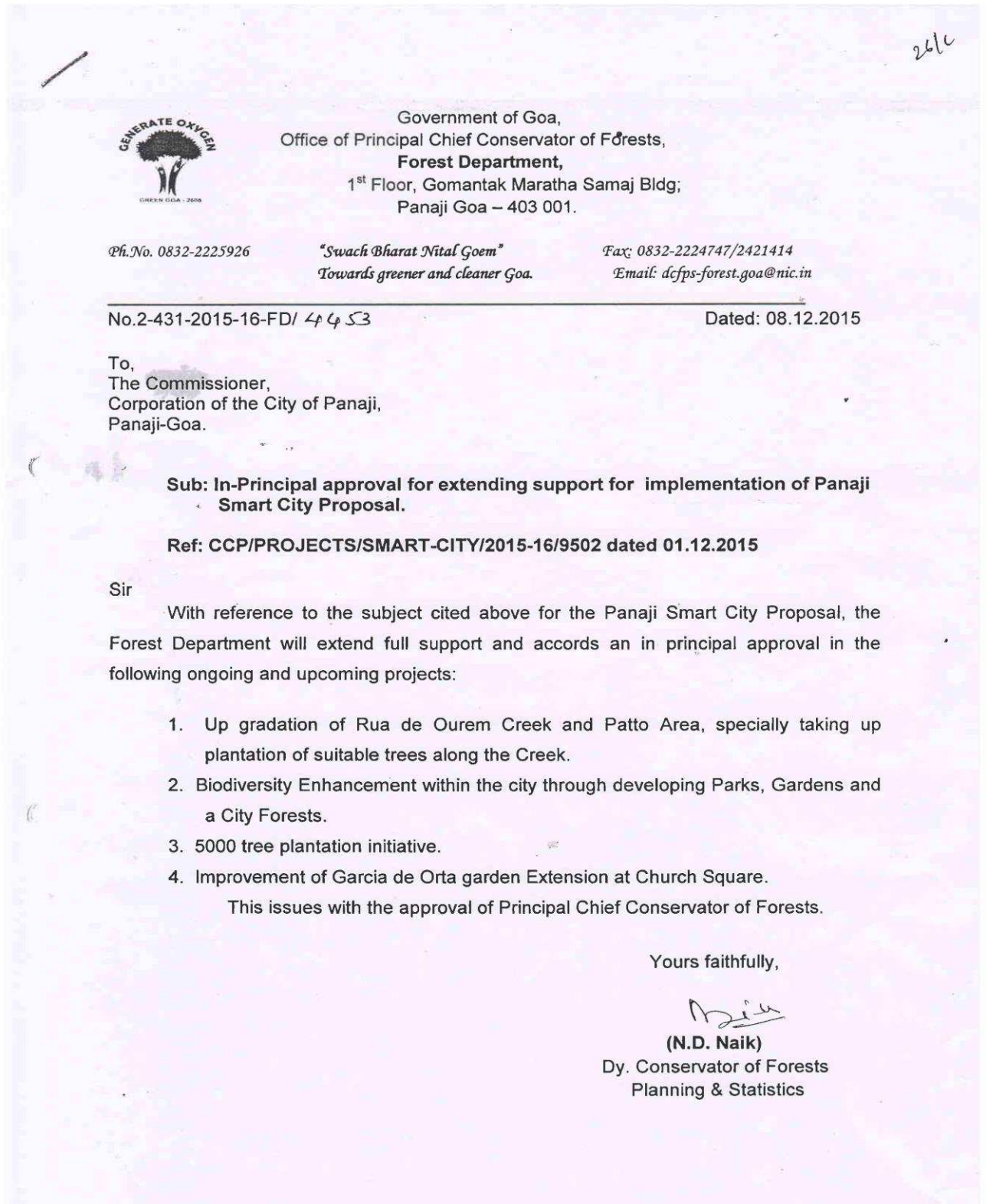
With reference to your letter No. CCP/PROJECTS/SMART-CITY/2015-16/9502 dated 01/12/2015, on the subject cited above, and on examining the contents of the said subject matter, this Directorate actively supports your initiatives in examining the facility of the concept of open street restaurants on the 18th June Road, as a plan of implementation of the Smart City proposal. The said initiative, if designed and equally supported by all the logistic facilities, shall definitely provide impetus to the proposed Panaji Smart City Proposal.

Yours faithfully,

(Salim A. Veljee)

Director of Food and Drugs Administration &
Commissioner, Food Safety, Goa

Annexure4.13: In-Principle approval from **Forest Department of Goa** for implementing Smart City Proposal



Anexure 4.14.1: In-Principle approval from Mangrove Society of India for implementing Smart City Proposal



MANGROVE SOCIETY OF INDIA

(Registration No. 90/Goa/1990)

48, Nirmali, Sagor Society,
Dona Paula, Goa - 403004, India.

Mobile: 09423883046
Telephone : (0832) 2452263
e-mail: arvinduntawale@rediff.com

**Dr. A. G. UNTAWALE, Ph.D., P.B.S., FNASc,
EXECUTIVE SECRETARY**

December 7, 2015

To,
The Secretary
Ministry of Urban Development
Nirman Bhavan
Maulana Azad Road
New Delhi - 110 011

**Subject: Approval in Principle for the involvement and support in
implementation of SMART CITY proposals.**

Respected Sir,

Mangrove Society of India (MSI) a NGO, based in Goa but working throughout Indian coast for the sake of conservation , management and awareness of Mangrove (Literature Enclosed).

Mangrove Society of India at present is working on a small mangrove area near Patto for the Development of a Park. Once implemented this Park would be a good model to be included in the SMART CITY-PANAJI project. This natural ecosystem is a ecological and economical important place near the city and a major sink for Co2.

The proposed mangrove park developed by the different stakeholders (or the participants) of Goa Govt. would help to create awareness about mangroves and help in recreation, tourism, forestry, Bird watching, Scientific research, etc.

This would involve mangrove conservation, nursery, development, mangrove plantation, wooden walkways, hideouts for bird watching, observation tower and small fiberglass flat boats.

The proposed site is very close to Patto Colony, Kadamba Bus stand and Residential colonies and hence would attract lots of people for learning many environmental and eco-biological processes.

There is also a possibility of including other activities along with this project, as follows

1. Up gradation of Rua-de-Ourem creek by growing suitable mangroves and also in Patto Park.
2. A Biodiversity enhancement along the Ribander Causeway.
3. Appropriate Plantation along the creek of Panaji.

For all these development work of scientific nature, Mangrove Society would need suitable funding. The budget for this shall be prepared, once the concept is approved in principle.

Thanking You

Yours Sincerely

(A G Untawale)

Executive Secretary

MSI

Executive Secretary
MANGROVE SOCIETY OF INDIA
48, Nirmali, Sagor Society, Dona Paula,
Goa - 403 004, India.

Enclosure: Publications of
Mangrove Society of India

Anexure 4.14.2: In-Principle approval from Botanical Society of Goa, Birds Institute of Goa for implementing Smart City Proposal

COPY TO C.C.P

BOTANICAL SOCIETY OF GOA

(Registration No. 39/GOA/90 dated 04 May, 1990 under Societies Act, 1860)
 Email: botanicalsocietyofgoa@gmail.com Website: bso-go@yahoogroups.com www.konkanfruitfest.com
 Regd. Address : C/o. Dhempe College of Arts & Science, Mitra-Mar, Panaji - 403 001, Goa, India.
 Communication Address: 3rd Floor, Panandiker Chambers, M.L.F. Turbado Rd, Margao, Goa - 403601



PRESIDENT
 Dr. H. V. Panandiker
 St. Inez, Panaji
 P 9922413754

IMMEDIATE PAST PRESIDENT
 Dr. K. G. Hiremath
 Taleigao
 P 9423835182
 hiremathgdr@yahoo.co.in

VICE - PRESIDENT
 Mr. Raj Pai Panandiker
 P 8975766032
 raj@panandiker.com

SECRETARY
 Dr. Suvarna Fonseca e Antao
 Borda - Margao
 P 9225984919
 sufa@rediffmail.com

JT. SECRETARY
 Mr. Peter Fernandes
 Anjuna
 P 9823156496
 peterfd@gmail.com

TREASURER
 Mr. Omar de Souza
 St. Inez
 P 8411986918
 omudod7@gmail.com

MEMBERS
 Miss. Verena Fonseca
 Alto Porvorim
 P 798632081
 rostanupert@gmail.com

Ms. Lorna Fernandes
 Corallim
 P 9071864429
 lornafonseca.fernandes@gmail.com

Mr. Ambrose Vaz
 Saligao
 P 9403313538
 ambrose.vaz@gmail.com

Mr. Antonio Silveira
 Corallim
 P 9822124229

Mr. Miguel Braganza
 Mapusa
 P 9822962676
 braganza.miguel@gmail.com

2nd December 2015
 Ref: BSG | 2015-16 | PROJECTS | CCP-SMART-CITY | 001

To,
The Secretary
Ministry of Urban Development
 Nirman Bhawan
 Maulana Azad Road,
 New Delhi - 110011

Respected Sir,
 Sub: Approval in principle for the involvement and support in implementation of Smart City proposals

With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, the **BOTANICAL SOCIETY OF GOA** approves in principle to be involved in and fully support the following interventions through its ongoing and upcoming projects:

1. Up gradation of Rua de Ourem Creek and Patto area
2. Biodiversity Enhancement within Panaji
3. 5000 tree plantation initiative

Thanking you,

(Raj S Pai Panandiker)

Vice-President, Botanical Society of Goa
 Cc: Corporation of the City of Panaji



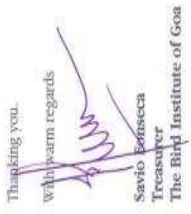
Bird Institute of Goa
 65, Ground Floor, Jardim Complex, Nova Vigor, Malu, Panaji 403001

10th December 2015
 To,
The Secretary
Ministry of Urban Development
 Nirman Bhawan
 Maulana Azad Road
 New Delhi
 110011

SUBJECT: Regarding Support for implementation to the Panaji Smart City through Special Purpose Vehicle (SPV)

Dear Sir,
 Greetings!

This is to declare that the **Bird Institute of Goa** will share its expertise and experience on Biodiversity Conservation to the proposed Special Purpose Vehicle (SPV) which is to be formed for the implementation of Area based and Pan-City interventions that are to be included in the Panaji Smart City proposals.

Thanking you,
 with warm regards

Savio Fonseca
Treasurer
The Bird Institute of Goa



Copy to: Commissioner, Corporation of the City of Panaji

Annexure 4.15.1: In-Principle approval from **State Biodiversity Board of Goa** for implementing Smart City Proposal

GOA STATE BIODIVERSITY BOARD
C/o Department of Science, Technology & Environment
Opp. Saligao Seminary, Saligao, Bardez, Goa – 403511.
E-mail:-goanbiodiversity@gmail.com
Phone No-(0832)2407032 Fax-2407033

No. 7/17/2015-16/GSBB/DC/002/484

Dated: 4th December, 2015

✓ To,
The Secretary
Ministry of Urban Development
Nirman Bhawan
Maulana Azad Road
New Delhi 110011

Sub: Approval in principle for the involvement and support in implementation of Smart City Proposals for Panaji.

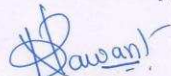
Respected Sir,

This is with reference to letter no. CCP/PROJECTS/SMART-CITY/2015-16/9502, dated 1st December, 2015, received from Corporation of the City of Panaji (CCP) regarding above subject, of submission of Smart City Proposal from Panaji for the Smart Cities Challenge, the Goa State Biodiversity Board approves in principle to be involved in and fully support the following interventions through the CCP's ongoing and upcoming projects :

1. Up gradation of Rua de Ourem Creek and Patto Area
2. Biodiversity Enhancement within the city
 - a. Creation of Mini Butterfly Park
 - b. Herbal Gardens with indigenous plant species
 - c. Conserving and managing the Sand dunes
 - d. Conserving the Salt pans
 - e. Conserving & protecting the mud flats(feeding grounds of resident & migratory birds)
 - f. Conserving Cultivar lands(agriculture lands)
3. 5000 tree plantation initiative (indigenous medicinal, fruit bearing & forestry species to be planted)
4. Establishment of a People's Biodiversity Register (PBR) for Panaji, through the Biodiversity Management Committee.

Thanking you,

Yours faithfully,


Dr. Nitin S. Sawant
Member Secretary (GSBB)

Annexure 4.15.2: In-Principle approval from **Fisheries Department, Goa** for implementing Smart City Proposal



Directorate of Fisheries
Government of Goa
Dayanand Bhandodkar Marg
Panaji Goa
Tel: (O) 2224838, Tel: (Dir) 2227780
Fax: (0832)2231049, Email: dir-fish.goa@nic.in

No.DF/AQUA/VOL. VIII/2016-17/7625

Dated: 15/04/2016.

To
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110 001

Sir,

Sub. : Approval in-Principle for the involvement and support in implementation of Panaji's Revised Smart City Proposal.

Ref: CCP/PROJECTS/SMART- CITY/ 2016-17/1990

With reference to the submission of the Revised Smart City Proposal for Panaji under Fast Track Mode of Smart Cities Mission; it is pleased to confirm that this Department gives in-principle approval for support towards aquaculture and other related activities associated with Mala lake revitalization.


Thanking you,

Yours sincerely,

(Dr. Shamila Monteiro)
Director of Fisheries

Copy to: The Commissioner – CCP

Annexure 4.16: In-Principle approval from **Water Resources Department** for implementing Smart City Proposal


Government of Goa
Water Resources Department
Sinchai Bhawan, near Police Station, Alto-Porvorim, Bardez, Goa – 403 521
Tel: C.E. Off. - (0832) 2412047, Fax: (0832) 2413046

No: **20/11/CE-WRD/EO/2015-16/5/5** Date: 02/12/2015

To,
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110011.

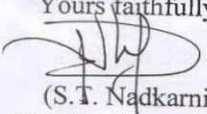
Sub: Approval in principle for the involvement and support in
implementation of Smart city proposals reg.

Sir,

With reference to the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, Water Resources Department approves in principle to be involved in and support the following interventions:

1. Mala lake revitalization including desiltation.
2. Revival of Boca de Vaca spring.
3. Rejuvenation of Fonte Phoenix spring.
4. delineation of catchment area of springs.
5. Development of Catchment conservation plan for springs.
6. Flood control measures in Mala area.

Thanking You,

Yours faithfully,

(S.T. Nadkarni)
Chief Engineer(WR)

" CONSERVE WATER, CONSERVE LIFE "

Annexure 4.17: In-Principle approval from Goa State Infrastructure Development Corporation for implementing Smart City Proposal and approval for Public Private Partnership projects



Ref: GSIDC/4896

The Secretary
Ministry of Urban Development,
Nirman Bhawan
Maulana Azad Road
New Delhi 110011

Respected Sir,

Sub: Approval in principle for the involvement and support in implementation of Smart city proposals

With reference to the minutes of the meeting held on 27/11/2015 by State level High Power Steering Committee on the submission of the Smart City Proposal from Panaji for the Smart Cities Challenge, the **Goa State Infrastructure Development Corporation (GSIDC)** will be the nodal agency. It is hereby approved in principle that GSIDC will be fully involved in the following interventions through its ongoing and upcoming projects:

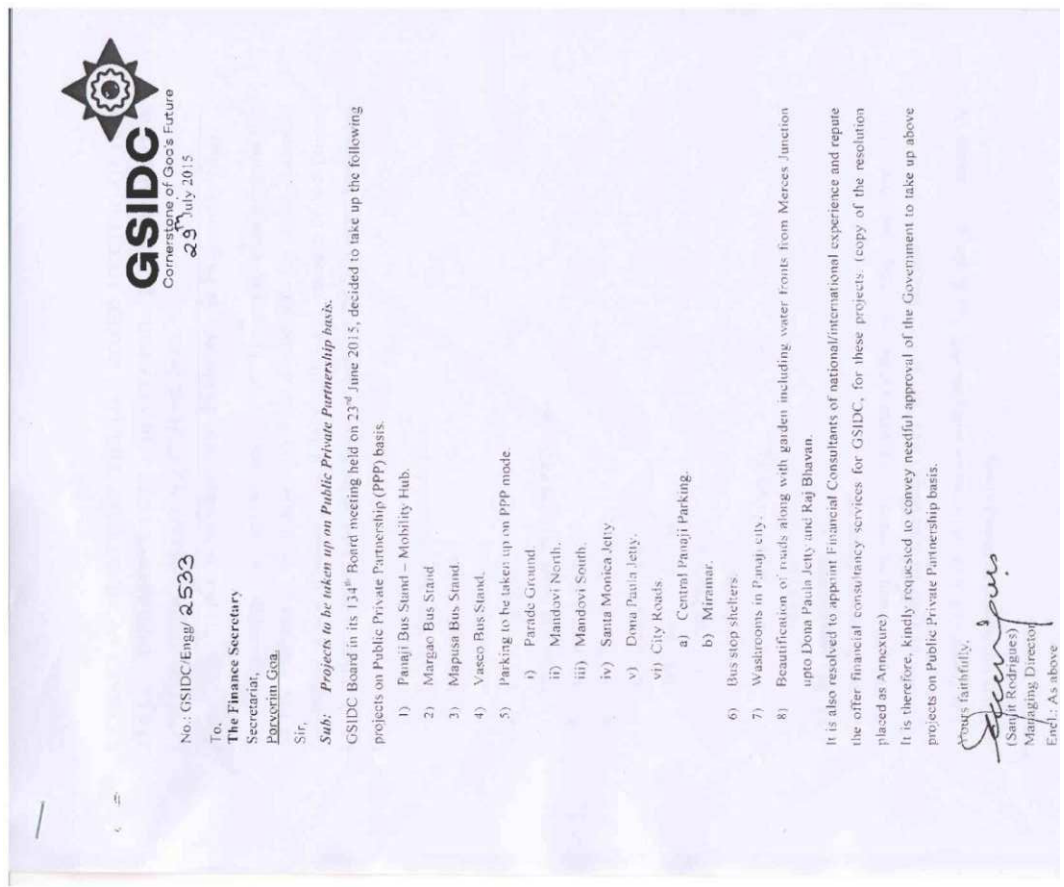
1. Mala lake revitalization
2. Pedestrian links between Mala and Patto
3. Road link over Rue De Ourem
4. Opening up Patto parking after office hours
5. Initiatives towards Old Secretariat being converted as an Art and Cultural museum
6. Smart Street lighting programme.
7. Renovation of Kadamba Bus Terminus.

Thanking you,

Yours faithfully,

Sanjit Rodrigues
(Sanjit Rodrigues)
Managing Director

Copy to, The Commissioner,
Corporation of City of Panaji,
Panaji, Goa.



No.: GSIDC/Engg/ 2533

To,
The Finance Secretary
Secretariat,
Panvorim,Goa.

Sir,

Sub: *Projects to be taken up on Public Private Partnership basis.*
GSIDC Board in its 134th Board meeting held on 23rd June 2015, decided to take up the following projects on Public Private Partnership (PPP) basis.

- 1) Panaji Bus Stand – Mobility Hub.
- 2) Margao Bus Stand.
- 3) Mapusa Bus Stand.
- 4) Vasco Bus Stand.
- 5) Parking to be taken up on PPP mode
 - i) Parade Ground.
 - ii) Mandavi North.
 - iii) Mandavi South.
 - iv) Santa Monica Jetty.
 - v) Dona Paula Jetty.
 - vi) City Roads.
 - a) Central Panaji Parking.
 - b) Miramar.
- 6) Bus stop shelters
- 7) Washrooms in Panaji city.
- 8) Beautification of roads along with garden including water fountains from Mercedes Junction upto Dona Paula Jetty and Raj Bhavan.

It is also resolved to appoint Financial Consultants of national/international experience and repate the offer financial consultancy services for GSIDC, for these projects. (copy of the resolution placed as Annexure)

It is therefore, kindly requested to convey needful approval of the Government to take up above projects on Public Private Partnership basis.

Yours faithfully,

Sanjit Rodrigues
(Sanjit Rodrigues)
Managing Director
Encl.: As above

Annexure 4.18.1: In-Principle approval from **Economic Development Corporation** for implementing Smart City Proposal and **CSR funding (Rs. 25 Laks)**



EDC LIMITED

EDC House, 1st Floor, Dr. Atmaram Borkar Road, P. B. No. 275, Panaji - Goa, 403 001,
Telephone : 2224542, 2221458, 2423983 Telegram : EDC - IN, Fax No. 91-0832 - 2224938
Email : edcpanaji@edc-goa.com Website : www.edc-goa.com

No. EDC/ENGG/

4th December, 2015

4th December, 2015

To,
The Secretary
Ministry of Urban Development
Nirman Bhawan,
Maulana Azad Road
New Delhi 110 011.

Respected Sir,

Sub : Approval for the involvement in implementation of Smart City Proposals

With reference to submission of Smart City proposal from Panaji, it is informed that the EDC Ltd. a State Govt. Company agrees and has decided to be involved in following important projects of Panaji-Goa.

1. "Restoration of Fonte Phoenix Spring at Mala". A CSR contribution of Rs.25.00 lakhs will be made for the project.
2. Cultural activities in Patto Plaza owned by EDC Ltd., perhaps as a PPP Project.

Yours faithfully,

(ARVIND GHATKAR)
MANAGING DIRECTOR

Annexure 4.18.2: In-Principle approval from **Economic Development Corporation** for implementing Smart City Proposal and **CSR funding (Rs. 35 Lakhs)**



EDC LIMITED

EDC House, 1st Floor, Dr. Atmaram Borkar Road, P.B. No. 275, Panaji-Goa 403 001
Telephone : 2224542, 2221458, 2423983 Fax No. 91-0832-2224938
Email : edcpanaji@edc-go.com Website : www.edc-go.com

CIN : U65993GA1975SGC000214

No.EDC/MD/ 5122

18/04/2016

To,
The Secretary
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110 001.

Sir,

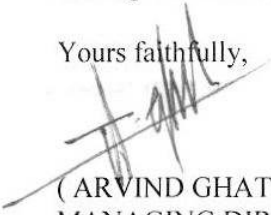
The EDC Ltd., a Government of Goa Undertaking, has developed Patto Plaza area in the capital city, Panaji and the same is basically a commercial complex where plots have been leased out and is having buildings of important institutions, some of which are LIC, Income Tax, BSNL, SBI, Bank of India, ROC, ESIC, PPF, etc. The project has been developed on modern lines with wide roads and good infrastructure. The said complex is near the entrance of Panaji city and is within 2 kms from State Assembly Complex. It is also close to places of interest for large number of tourists who visit the State of Goa.

It is planned to make Patto Plaza a cultural centre specially considering that its open spaces and also other infrastructure are is suitable for such cultural event.

Incidentally, the main office of Director of Art and Culture, Central Library as well as State Museum is in Patto Plaza area. It could be a place where tourists could find it a place of interest also from cultural point of view.

A budget of Rs.35.00 lakhs will be made available to start the project during the year.

Yours faithfully,


(ARVIND GHATKAR)
MANAGING DIRECTOR

Annexure 4.18.3: Supporting letter by **EDC for Chief Minister's Rojgar Yojana, Goa**



EDC LIMITED

EDC House, 1st Floor, Dr. Atmaram Borkar Road, P.B. No. 275, Panaji-Goa 403 001

Telephone : 2224542, 2221458, 2423983 Fax No. 91-0832-2224938

Email : edcpanaji@edc-goa.com Website : www.edc-goa.com

CIN : U65993GA1975SGC000214

No.EDC/MD/ 5123

18/04/2016

To,
The Secretary
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110 001.

Sir,

The EDC Ltd., a Government of Goa Undertaking, being a Premier Financial Undertaking in the State of Goa, is operating a socially oriented scheme named Chief Minister's Rojgar Yojana for financial assistance to educated unemployed in the State of Goa.

The Scheme is backed by Government of Goa and carries a low rate of interest of around 3% p.a. Over the years, about 5500 small entrepreneurs have availed the financial assistance under the Scheme. For the year 2016-17, the Corporation has fixed a budget of around Rs.20.00 crores and has taken several steps to encourage entrepreneurs to set up their own business in the State of Goa. It is expected that based on the projections, the city of Panaji and surroundings will have the share of the projected amount during the year 2016-17, of around Rs.3.00 crore.

Yours faithfully,

(ARVIND GHATKAR)
MANAGING DIRECTOR

Annexure 4.18.4: Work order for Pay and Parking by CCP and EDC

CORPORATION OF THE CITY OF PANAJI
PANAJI-GOIA

Ref No: F3/CCP/ADMIN/Pay Park/2015-16/84 Date: 06 .01.2016

To,
Straight Deal Services
Shop No. 1/ Ground Floor
Raiturkar Building
Comba, Margao - Goa

Sub: - Collection of Parking fees within the Jurisdiction of Corporation of the City of Panaji.

Ref:- Your Offer dt.23.11.2015

Sir,
Your offer has been accepted by the Corporation of the City of Panaji, towards the collection of Parking fees within the Jurisdiction of Corporation of the City of Panaji for an amount of ₹ 63,01,000/- (Sixty three lakhs one thousand only) per annum.

Therefore you are requested to call on this office within 7 days from the receipt of this letter alongwith Post dated cheques and security deposit to sign the agreement and other formalities, failing which your offer will be summarily rejected.

Yours faithfully,


(Sanjit Rodrigues)
Commissioner

C/1100

No. EDC/ENG/CC/PAY PARKING/1543
11th November, 2015

To,
Shaikh Sajjad,
Shop No.1 &2, Jameela Mansion,
Near Lourdes Chapel,
Opp. Madhuban Complex,
St. Inez, Panaji - Goa.

Sub: License for collection of Parking Fee at Pattoo Plaza, Panaji - Goa.

Sir,

We have pleasure to accept your tender for License for collection of Parking Fee at Pattoo Plaza, Panaji - Goa at your negotiated price of Rs.1,76,000/- plus service tax per month as per your letter dated 9/11/2015. You will have to make payment on monthly basis in advance, in accordance with the tender conditions, on or before 5th of every month. A Copy of tender papers is attached herewith.

Kindly note that you will also be required, in accordance with the tender conditions, to deposit with EDC Ltd., locally, twice the amount accepted monthly amount of Rs. 1,76,000/- i.e. total Rs.3,52,000/-. Therefore an amount of Rs.1,52,000/- after accounting for the Earnest Money of Rs.2,00,000/- is requested to be paid within 10 days from the date of this intimation to you.

You may inherefore proceed with work of License for Collection of Parking fee at Pattoo Plaza, Panaji - Goa, from 16/11/2015 based on the above and terms and conditions of the tender, which includes above required payments & also draft of tickets for approval. Also visit this office for execution of agreement before 20/11/2015.

Thanking you,
Yours faithfully,


(R. G. Pathan)
Dy. General Manager (Legal)

Encl: n/a

R. No. 920950

Annexure 4.19: Declaration by ICLEI - SA to provide support to Panaji Smart City Proposal- Special Purpose Vehicle

4th Dec, 2015

New Delhi



The Secretary
Ministry of Urban Development
Nirman Bhawan
Maulana Azad Road
New Delhi 110011

ICLEI's mission is to build and serve a worldwide movement of local governments to achieve tangible improvements in global sustainability with special focus on environmental conditions through cumulative local actions

Subject: Regarding Support for the Implementation of the Panaji Smart City Proposal through Special Purpose Vehicle (SPV)

ICLEI- South Asia
Ground Floor
NSIC – STP Complex
NSIC Bhawan
Okhla Industrial Area
New Delhi – 110020, India

Dear Sir,

Phone: +91-11- 4106 7220
Fax: +91-11- 4106 7221
E-mail : iclei-southasia@iclei.org

It is to communicate that ICLEI-Local Governments for Sustainability, South Asia is a long standing partner of the Corporation of the City of Panaji. We have been working on multiple Energy, Sustainability, and Climate Change related projects and currently assisting City to prepare its Smart City Proposal under the Government of India's Smart City Mission.

World Secretariat
Kaiser-Friedrich-Str. 7
53113 Bonn
Germany

Tel: +49-228 / 97 62 99-00
Fax: +49-228 / 97 62 99-01
Email: iclei@iclei.org

This is to declare that ICLEI - Local Governments for Sustainability, South Asia, will share its expertise and experience on Renewable Energy, Energy Efficiency, Integrated Urban Water Management Planning, Urban Climate Resilience, Biodiversity with CCP and will also bring in agencies such as UN-HABITAT, Rockefeller Foundation etc to support the proposed Special Purpose Vehicle (SPV) which is to be formed for implementation of Area-based and Pan City interventions included in the Panaji Smart City proposal.

Legally represented by
ICLEI (Management) Inc.

World Wide Web
www.iclei.org
www.iclei.org/sa

Regards

Emani Kumar
Executive Director
ICLEI South Asia

Copy to: Commissioner, Corporation of The City of Panaji

ICLEI was founded in the year 1990
as the International Council for Local

Annexure 4.20.1: Declaration by LKS India Pvt Ltd. and Charles Correa Foundation (CCF) to provide support to Panaji Smart City Proposal including SPV

LKS
 www.lksindia.com
LKS INGENIERIA, S.COOP
 Global Innovation Centre
 20600 ABRASANTE-MONDURAGON,
 SPAIN
 Phone: + 00 34 943 50 77 02
 info@lksingenieria.com

REGISTERED OFFICE:
 LKS INDIA PVT LTD
 301, LKS VENTURA
 5th Floor,
 ITI Road, Anandh Puri,
 T : +91 8975758358
 info@lksindia.com

BRANCH OFFICE:
 LKS INDIA PVT LTD
 O Arago Building
 10th Floor,
 Rua Pauline De Dima, Malda,
 Panaji, Goa-403001.
 info@lksindia.com

To,
 The Secretary
 Ministry of Urban Development
 Nirman Bhawan
 Maulana Azad Road
 New Delhi
 110011


09th Dec, 2015

Subject: Regarding Support for implementation to the Panaji Smart City through Special Purpose Vehicle (SPV)

Dear Sir,

This is to communicate that LKS India Pvt. Ltd has prepared the Holistic Master Plan of Panaji City through a comprehensive citizen engagement process which provided the foundation for the Panaji Smart City proposal.

It is in this context, we hereby declare to extend our expertise and experience on Municipal Service planning and related aspect to the proposed Special Purpose Vehicle (SPV) which is to be formed for implementation of Area-based and Pan City interventions included in the Panaji Smart City proposal.

Regards,

 Mikel Oreiza
 Goa Project Head,
 LKS India Pvt. Ltd.
 Contact No: 8888810618

Cc: The Commissioner, Corporation of the City of Panaji

CCF
 CHARLES CORREA FOUNDATION

04th Dec, 2015


The Secretary,
 Ministry of Urban Development
 Nirman Bhawan,
 Maulana Azad Road,
 New Delhi-110011

Subject: Regarding Support for implementation to the Panaji Smart City through Special Purpose Vehicle (SPV)

Dear Sir,

This is to communicate that Charles Correa Foundation (CCF) is the local partner to the City Corporation of the Panaji and had contributed to the City development planning on numerous fronts over the last few years.

We hereby declare to share our expertise and experience on Conservation of Heritage and Culture, urban mobility and urban planning to the proposed Special Purpose Vehicle (SPV) which is to be formed for implementation of Area-based and Pan City interventions included in the Panaji Smart City proposal.

Regards,

 Charles Correa Foundation
 Director
 Copy to: Commissioner, Corporation of The City of Panaji

160 ann urbanplan road panaji ana 403 001 | T: 01-830,222 0058 | E: connect@cccfma.in

Annexure 4.20.2: Declaration by The Energy Resource Institute (TERI) and Goa Heritage Action Group (GHAG) to provide support to Panaji Smart City Proposal including SPV

Chairperson: Prajal Sakhardande, Vice Chairperson: Prof. Edgar Ribeiro
Hon Secretary: PoonamV Mascarenhas Rt. Hon. Treasurers: Anthony Gaskell, Cezar Pinto
Executive Committee Members: Rahul Basu, Jack Sukhija, Dean D'Cruz, Sanjeev Trivedi
*Exemption under IUS 80-G of the Income Tax Act 1961 No.80G/CT/PANJ/53-G/2008-09
 Dated: 01-04-2008, Valid indefinitely*

Chairperson: Prajal Sakhardande, Vice Chairperson: Prof. Edgar Ribeiro
Hon Secretary: PoonamV Mascarenhas Rt. Hon. Treasurers: Anthony Gaskell, Cezar Pinto
Executive Committee Members: Rahul Basu, Jack Sukhija, Dean D'Cruz, Sanjeev Trivedi
*Exemption under IUS 80-G of the Income Tax Act 1961 No.80G/CT/PANJ/53-G/2008-09
 Dated: 01-04-2008, Valid indefinitely*

Chairperson: Prajal Sakhardande, Vice Chairperson: Prof. Edgar Ribeiro
Hon Secretary: PoonamV Mascarenhas Rt. Hon. Treasurers: Anthony Gaskell, Cezar Pinto
Executive Committee Members: Rahul Basu, Jack Sukhija, Dean D'Cruz, Sanjeev Trivedi
*Exemption under IUS 80-G of the Income Tax Act 1961 No.80G/CT/PANJ/53-G/2008-09
 Dated: 01-04-2008, Valid indefinitely*

Date: Dec 2015
To,
 The Secretary,
 Ministry of Urban Development,
 Nirman Bhawan
 Maulana Azad Road
 New Delhi
 110011

Date: 7 December 2015
To
 The Secretary
 Ministry of Urban Development
 Nirman Bhawan
 Maulana Azad Road
 New Delhi - 110011

Date: 7 December 2015
To
 The Secretary
 Ministry of Urban Development
 Nirman Bhawan
 Maulana Azad Road
 New Delhi - 110011

Subject: Regarding Support for the implementation to the Panaji Smart City through Special Purpose Vehicle (SPV)

Sub: Regarding support for implementation to the Panaji Smart City through Special Purpose Vehicle (SPV)

Sub: Regarding support for implementation to the Panaji Smart City through Special Purpose Vehicle (SPV)

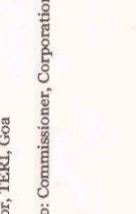
Dear Sir,
 This is to declare that Goa Heritage Action Group (GHAG) will share its expertise and experience on Conservation of Heritage and Culture to the proposed Special Purpose Vehicle (SPV) which is to be formed for implementation of Area-based and Pan City interventions included in the Panaji Smart City proposal.

Dear Sir,
 As a long standing partner to the Corporation of the City of Panaji and previous work on a comprehensive urban infrastructure inventory of the city, mapping transport systems, electricity, water, social infrastructure, communications systems and industries.

Dear Sir,
 As a long standing partner to the Corporation of the City of Panaji and previous work on a comprehensive urban infrastructure inventory of the city, mapping transport systems, electricity, water, social infrastructure, communications systems and industries.

Regards,

 Hon Secretary GHAG
 (Poonam Verma Mascarenhas)
 B. Arch M.A. Conservation (U.K.)

Sincerely,

 Pronab Dasgupta
 Director, TERI, Goa

Sincerely,

 Pronab Dasgupta
 Director, TERI, Goa

Copy to: Commissioner, Corporation of The City of Panaji

Copy to: Commissioner, Corporation of The City of Panaji

Copy to: Commissioner, Corporation of The City of Panaji



Registration No. 156/GOA/2000 Dated 12th December 2000
 Regd. Off. Temp. 69, Vasudha Colony, Lane 2, PO Bambolim Complex, Goa, 403202. Tel: +91 832 2469109 / +919850961896
 Email: ghaggoa@gmail.com, vomasz@gmail.com, Website: www.goaheritage.in

Registration No. 156/GOA/2000 Dated 12th December 2000
 Regd. Off. Temp. 69, Vasudha Colony, Lane 2, PO Bambolim Complex, Goa, 403202. Tel: +91 832 2469109 / +919850961896
 Email: ghaggoa@gmail.com, vomasz@gmail.com, Website: www.goaheritage.in

Registration No. 156/GOA/2000 Dated 12th December 2000
 Regd. Off. Temp. 69, Vasudha Colony, Lane 2, PO Bambolim Complex, Goa, 403202. Tel: +91 832 2469109 / +919850961896
 Email: ghaggoa@gmail.com, vomasz@gmail.com, Website: www.goaheritage.in

Annexure 4.20.3: Declaration by Essel Infraprojects Ltd. to provide support to Panaji Smart City Proposal including SPV

Essel Infraprojects Limited
 Corporate Office: 20th Floor, A Wing, Marathon Futurex, N. M. Joshi, Marg, Lower Parel, Mumbai - 400 013.
 Tel: +91 22 7108 4444 • Fax: +91 22 7108 4500

9th Dec, 2015

The Secretary
 Ministry of Urban Development
 Nirman Bhawan
 Maulana Azad Road
 New Delhi 110011

Subject: Regarding Support to the Panaji Smart City Proposal and Special Purpose Vehicle (SPV)

Dear Sir,

This is to communicate that Essel Infraprojects Limited, a part of the **Essel Group** is aware about the Smart City Proposal of Panaji (Corporation of City of Panaji).

We hereby declare to share our group expertise and experience (Please refer to attached list of sectors) to the proposed Special Purpose Vehicle (SPV) which is to be formed for implementation of Area-based and Pan City interventions included in the Panaji Smart City proposal.

Regards

for **Essel Infraprojects Limited**



Director

Copy: Commissioner, Corporation of the City of Panaji

Activity/Component	Role/responsibility (basic TOR)
Power Network	<ul style="list-style-type: none"> Implementation and/or O&M of Power Distribution Infrastructure, SMART Grid, smart metering, Street Lighting, Automated citizen services for bill payments, grievance redressal
Energy Efficiency	<ul style="list-style-type: none"> Evoke Energy Efficiency Standards for City/ Energy Efficiency Norms for Buildings, Implement pan-city solar street lighting, Implement and integrate supply from Renewable Energy projects to the main grid
Water Distribution	<ul style="list-style-type: none"> Implementation of Water Distribution Infrastructure in newer areas of the city, O&M of city wide water distribution network, Implementation of smart metering, Automated citizen services for bill payments, grievance redressal
Drainage & Storm Water Management	<ul style="list-style-type: none"> Implementation of Waste Water Infrastructure in newer areas of the city, O&M of city-wide waste water infrastructure, Construction and maintenance of rain water harvesting pits, maintenance of natural water bodies and drainage catchments in the city, Implementation and maintenance of Waste Water Recycling Plant/ Sewage Treatment Plant
Municipal Solid Waste Management	<ul style="list-style-type: none"> City wide door to door collection of waste, solid waste management program, Landfill management/ Incineration/ Composting, etc, waste Recycling program, Industrial waste management
Communications	<ul style="list-style-type: none"> Optic Fiber Network, Sensor Network, Wi-Fi/ Broadband Network, Cable Television Network
City Gas Distribution	<ul style="list-style-type: none"> Implement, Operate and maintain City Gas Distribution Infrastructure (pipe lines etc), As a Vendor provide gas cylinder distribution services in association with government run service providers
Common Utilities	<ul style="list-style-type: none"> Implement, Operate and Maintain city-wide area-wide Common Utilities Tunnel
Roads	<ul style="list-style-type: none"> Develop new roads, Maintain pan city urban roads, Undertake road aesthetic and road safety
Traffic Management System and Urban Road Transport	<ul style="list-style-type: none"> Intelligent Traffic Management / Mobility Command and Control Centre Integrated Ticketing and Fare Collection System (Integrated Smart Card System), Road Safety Audit, Traffic Signaling Management, Vehicle registration/ implementation of RFID for registration of vehicles Operation of Buses/BRTS, Parking management, Regulated IPTs like autohubs etc., Pedestrian and Cycling Infrastructure, Taxi bays, Intelligent parking systems, Construction and O&M of Bus stations
Urban Rail Transport	<ul style="list-style-type: none"> New build-LRT and their operations, Integrated Multi-modal transport solutions: Bus and Rail terminals
Pan city ICT STRATEGY	<ul style="list-style-type: none"> ICT Strategy and Roadmap, System Architecture for End-to-End Integration Operations, Maintenance and Management Strategy for ICT Infrastructure & Services
Network Operations	<ul style="list-style-type: none"> Implementation and operation of a Centralized City Monitoring Data Centre with ICT Integration
City Safety and Surveillance	<ul style="list-style-type: none"> Integrated Central Security Monitoring Centre with CCTV Cameras, Video Analytics, Video from Social Networks, Mobile Application for Citizens
Social Infrastructure	<ul style="list-style-type: none"> Implement, operate and maintain existing and new Recreational/ Entertainment Infrastructure, Parks and open spaces, Sports Infrastructure, Education Infrastructure, Health Infrastructure in the city
Urban Governance	<ul style="list-style-type: none"> Citizen engagement through e-services and regular public hearings Public finance- revenues and expenditure management, account monitoring, Social auditing



Registered Office: 135, Continental Building, Dr. Annie Besant Road, Worli, Mumbai - 400 018.
 Corporate Identity Number: U74999MH1987PLC044006

Annexure 4.21: In-Principle approval from Town and Country Planning Department for conservation of heritage and heritage listing under Smart City Proposal of Panaji



Office of the Chief Town Planner
Town and Country Planning Department (HQ)
2nd Floor, Dempo Tower, Patta Plaza, Panaji GOA 403001
Ph: 2437352, 2437353, 2437354, 2437355 Fax: 2437351

Ref.: 35/12/TCP/2015/PT/2016/1687 Date:-13/4/2016

To,
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110001.

Sub:- Approval in-principle for the involvement and support in implementation of Panaji's Revised Smart City Proposal regarding Heritage Listing for the City.

Sir,

With reference to the submission of the revised Smart City Proposal for Panaji under Fast Track Mode of Smart Cities Mission, we are pleased to inform you that the Town and Country Planning Department has undertaken an initiative to evolve a context sensitive Heritage Conservation Policy and Guidelines for the area under conservation zone within Panaji City, under which, listing and grading of heritage structures in conservation zone has been undertaken by obtaining the services of Charles Correa Foundation.

The Town and Country Planning Department has paid an amount of Rs. 3,12,000/- (Rupees Three Lakhs Twelve thousand only) to Charles Correa Foundation for the preparation of report on "Evolving Context Sensitive Heritage Conservation Policy for Panaji". Heritage Listing covers areas of Sao Tome, Fontainhas, Mala, Portals, Altinho, Campal, CBD of Panaji and Ribandar and contains listing of 912 Nos. buildings and 50 other structures such as bridges, statues, gardens, etc. which are considered as representative of the historic fabric of the City.

The Conservation Committee in its 8th meeting held on 27/10/2014 has considered the report as submitted by Charles Correa Foundation. The Town and Country Planning Department now recommends the development within conservation zone by adhering to guidelines as mentioned in the "Context Sensitive Heritage Conservation Policy". Besides this, the TCP Dept. follows other guidelines & regulations as specified under Goa Land Development & Building Construction Regulations, 2010 while considering any other development within the conservation zone as earmarked on the Outline Development Plan of Panaji.

Yours faithfully,


Dr. S.T. Cuttara
Chief Town Planner

Copy to:-
The Commissioner,
Corporation of the City of Panaji,
Panaji - Goa.

Annexure 4.22: Expression of Interest for **INTERACT-Bio: Integrated regional action for Biodiversity**



18th April 2016

Mr. Sanjit Rodrigues
Commissioner
Corporation of the City of Panaji, Goa

Sub: Inviting an Expression of Interest for "INTERACT-Bio: Integrated regional action for Biodiversity"

Dear Sir,

Greetings from ICLEI South Asia!

ICLEI is preparing a proposal on developing an Integrated Regional Action for Biodiversity, to be submitted to German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB). This multi-country proposal will be implemented across five countries- Brazil, India, Mexico, the Philippines and Tanzania.

The proposal aims at supporting the implementation of the National Biodiversity Strategy and Action Plan through the mainstreaming of biodiversity objectives across City-Regions and development of Local Biodiversity Strategy and Action Plan which will help integrate biodiversity conservation into urban planning. Through the proposed project, suitable biodiversity interventions will be identified for each city region and efforts will be made to identify potential financing agencies for the same. Panaji is one of the cities that we have shortlisted from India for this proposal. Nestled in the Western Ghats, a global biodiversity hotspot, the city of Panaji harbours rich and unique biodiversity and is home to a wide array of floral and fauna species. The proposal, which has very strong chances of getting funded, will support the city of Panaji in undertaking effective urban planning and sustainable urban development through integration of biodiversity conservation, natural resource management and environmental services in urban development.

We look forward to your support for the same.

Sincerely,

Sunandan Tiwari
Deputy Director

ICLEI's mission is to build and serve a worldwide movement of local governments to achieve tangible improvements in global sustainability with special focus on environmental conditions through cumulative local actions

ICLEI- South Asia
Ground Floor
NSIC – STP Complex
NSIC Bhawan
Okhla Industrial Area
New Delhi – 110020, India

Phone: +91-11- 4106 7220
Fax: +91-11- 4106 7221
E-mail : iclei-southasia@iclei.org

World Secretariat
Kaiser-Friedrich-Str. 7
53113 Bonn
Germany

Tel: +49-228 / 97 62 99-00
Fax: +49-228 / 97 62 99-01
Email: iclei@iclei.org

Legally represented by
ICLEI (Management) Inc.

World Wide Web
www.iclei.org
www.iclei.org/usa

ICLEI was founded in the year 1990 as the International Council for Local Environmental Initiatives.

Annexure 4.23: Financial assistance under Asian Cities Climate Change Resilience Network



21 July 2015

To,
Sh. Sanjit Rodrigues
The Commissioner
Corporation of the City of Panaji, Goa

Sub: Small Grants Fund – 2015 under ACCCRN

Dear Sir,

Greetings from ICLEI South Asia!

We are happy to inform you that your proposal has been selected for this round of Small Grants Fund. CCP has been a partner since long and we hope this project would enrich ICLEI-ACCCRN Process through delivery of positive outcomes on strengthening climate resilience of Panaji. Particulars of the project are as follows:

Project	Municipal Solid Waste (MSW) management – Awareness Building on Segregation at source among School Students in Panaji City, Goa
Applicant	Corporation of the City of Panaji (CCP)
Implementing Partner	Waste Wise Foundation, Panaji
Project Scope/Output	Engage 4000 student members from all 15 schools of Panaji and ensure their participation in collection of 20 tonnes of dry segregated recyclable waste.
Project Duration	9 months
Grant Amount	Rs.17,80,000/-

This grant decision is based on the scope of work, deliverables and budget that are enclosed for your kind perusal.

Please note that this is an in-principle approval that is contingent on the submission of a letter of approval from the Government of Goa allowing CCP to receive this foreign grant. Other cities like Shimla and Coimbatore have previously received such permission from respective state governments to implement a project, SUNYA-Towards Zero Waste in South Asia, where the fund was routed through us.

We look forward to receive proof on this approval, alongwith details of a separate bank account for this project, to draw up the sub contract fast.

Sincerely,

Emani Kumar
Executive Director

ICLEI's mission is to build and serve a worldwide movement of local governments to achieve tangible improvements in global sustainability with special focus on environmental conditions through cumulative local actions

ICLEI- South Asia
Ground Floor
NSIC – STP Complex
NSIC Bhawan
Okhla Industrial Area
New Delhi – 110020, India

Phone: +91-11- 4106 7220
Fax: +91-11- 4106 7221
E-mail : iclei-southasia@iclei.org

World Secretariat
Kaiser-Friedrich-Str. 7
53113 Bonn
Germany

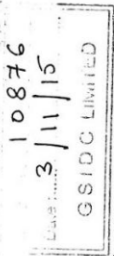
Tel: +49-228 / 97 62 99-00
Fax: +49-228 / 97 62 99-01
Email: iclei@iclei.org

Legally represented by
ICLEI (Management) Inc.

World Wide Web
www.iclei.org
www.iclei.org/ia

ICLEI was founded in the year 1990 as the International Council for Local Environmental Initiatives.

Annexure 4.24: Work order - Interior work for setting up of Software Technology Park in Goa at Udyog Bhavan, Panaji, Goa



Department of Information Technology
Government of Goa
2nd Floor, Alcon Construction, Above Alcon Hyundai Showroom,
Porvorim, Bardez, Goa - 403 501 India

No.10/1/DoII/STPI/2006/1375 Dated: 02/11/15

To,
Executive Engineer,
Works Division I (Bldgs),
Patto, Panaji-Goa.

Subject: Setting up of Software Technology Parks of India (STPI) in Goa
Ref: No.1/51/2013-GAD-IV/1717 dated: 14th September 2015

Sir/Madam,

Kind reference is invited to the above cited letter. Government is willing to set up a centre of STPI in the upcoming IT Park at Kadamba Plateau, in Chimbel village, Tiswadi Taluka. However, till the completion of the IT Park, the Government has approved to set up an Office of STPI in the east and west wing, 2nd floor of Udyog Bhavan, Panjim-Goa.

In view of this, it is hereby informed that the proposal of assigning the interior design and related work to GISDC has been approved by Government (copy of noting enclosed). It is therefore requested to guide on the further course of action in this matter.

(Shilpa Shinde, I.A.S)
Director (II)

Copy To:

1. U.S (GA-II), General Administration Department, Secretariat, Porvorim Goa.
2. Managing Director, Goa State Infrastructure Development Corporation Limited, 7th Floor, EDC House, Dr. Atmaram Borkar Road, Panaji-Goa 403 001

INTERIOR WORK FOR SETTING UP OF SOFTWARE TECHNOLOGY PARK AT UDOYG BHAVAN, PANAJI, GOA		
B L O C K E S T I M A T E		
Section	Description of Item	Amount (Rs.)
I	Dismantling, Civil (repair, construction, aluminum false ceiling and finishing) works	5,854,800.00
II	Plumbing (internal & external) and sanitary fittings/fixtures (mid range) works	775,200.00
III	Electrical and Lighting Works (mid range)	2,264,400.00
IV	L V System (cctv, access control and rodent control works) (mid range)	591,600.00
V	Diesel Generator 125 KVA, electrical panel with automation including shed civil (ground floor), external cable trays and online 50 KVA UPS works	1,897,200.00
VI	Networking (cabling and switches) (mid range)	1,978,800.00
VII	HVAC (VRV system with ancillary plumbing and electrical) works (mid range)	2,917,200.00
VIII	Carpentary, Furniture, Seating, carpet / wooden floors, signage / graphics works (mid range)	7,690,800.00
	Grand Total	23,970,000.00
	Contingencies @ 5%	1,198,500.00
	Total	2,51,68,500.00



12/16/15
23/1/15

Government of Goa
General Administration Department
Secretariat, Porvorim - Goa - 403521

0832-2419471/2419782

usga2_sect.goa@nic.in

No. 1/51/2013-GAD-IV/1171 Dated: 14th September, 2015

Ref: Order No. 1/51/2013-GAD-IV/1851 dated 24.07.2014.

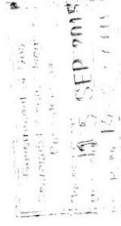
ORDER

Sanction of the Government is hereby conveyed to allot the below mentioned premises at Udyog Bhavan, Panaji, with immediate effect to the following Department/Office -

Name of the Premises	Location	Area in sq.mts.	Name of the Department/Office
Udyog Bhavan	Second Floor	378.00	Department of Information Technology

Any internal modifications of the above premises allotted to them should be taken under consultation with the Executive Engineer, Works Division I (Bldgs.), Patto, Panaji.

This Order supercedes the above mentioned Order of allotment made in respect of the above premises.



By Order and in the name of the Governor of Goa

(Prashant P. Shiroadkar)
Under Secretary (GA-II)

Copy To:

- The Secretary (IT)/Director (IT), Department of Information Technology, 2nd Floor, Alcon Construction, Above Alcon Hyundai Showroom, Porvorim, Bardez, Goa.
- The Managing Director, Goa Handicrafts, Rural and Small Scale Industries Development Corporation Ltd. (GHRSSIDC), Crafts Complex, Neugi Nagar, Rua de Quarem, Panaji, Goa.
- The Executive Engineer, Office of the Executive Engineer, Works Division - I (Bldgs.), Public Works Department, Patto, Panaji, Goa.
- Guard File.
- O/C.

Annexure 4.25: Work order – CCF's project for Urban Poor in Mala Area



[BY REGISTERED A.D. / SPEED POST]

Ref.No:GSIDC/Engg/Works/1104/ 1062

26th May 2015

LETTER OF ACCEPTANCE OF TENDER/ WORK ORDER

To

✓ **M/s. Trivikram Constructions,**
8/9, Vasudev Arcade,
Opp. Chhatrapati Shivaji Maharaj Maidan,
Bicholim, Goa – 403 504.

Sir,

Sub: "Redevelopment of Mala (Urban Poor Neighbourhood), Panaji-Goa"

Ref.: Tender Notice No. GSIDC/ENGG./NIT-13/2015-2016 dated 20th April 2015.

Your rate contract tender for the work mentioned above has been accepted by this Corporation at your quoted amount of Rs. 2, 15, 12,200.00 which is 27.80 % above the estimated cost and 9.50% above the reasonable cost.

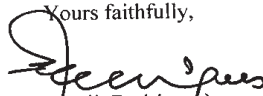
1. You are requested to submit the Performance Guarantee of Rs 10, 75,610.00 (Rupees Ten Lakhs Seventy Five Thousand Six Hundred Ten Only) within fifteen (15) days of issue of this letter. The Performance Guarantee shall be in the prescribed form as provided in the Clause 5.4, "Security Deposit" of Volume I of the Tender Document and shall be valid upto the stipulated date of completion plus sixty days beyond that.
2. Please note that the time allowed for carrying out the work shall be 02 months as entered in the tender.
3. You are requested to contact this office for taking possession of site and starting the work immediately.
4. You are requested to attend this office to complete the formal agreement within ten days of submission of Performance Guarantee.

Stipulated Date of Commencement : 27th May 2015

Stipulated Date of Completion : 26th July 2015

Thanking you,

Yours faithfully,


(Sanjit Rodrigues)
Managing Director

Page 1 of 2

Annexure 4.26: Work Order for Consulting Services for Credit Rating of the Corporation of the city of Panaji



(BY REGISTERED A.D. / SPEED POST)

Ref. No. GSIDC/1152/5659 ^{18/1}
18 January, 2016

LETTER OF ACCEPTANCE OF TENDER / WORK ORDER

To,
M/s ICRA Limited
3rd Floor, Electric Mansion,
Appasaheb Marathe Marg, Prabhadevi,
Mumbai - 400 025

Sir (s),

Sub : Consulting Services for Credit Rating of Selected Urban Local Bodies (Panaji) in the State of Goa

- Ref : 1) Request for proposal no. CBUD/FIN/35/Goa dated 24/11/2015
2) Letter of invitation no. GSIDC/1152/4658 dated 24/11/2015
3) Corrigendum No. NTL issued on 09/01/2016
4) Technical Proposal dated 14/12/2015
5) Financial Proposal dated 14/12/2015

1. Your tender for the work mentioned above has been accepted by this Corporation at your quoted fee of **Rs.1,25,000.00 (Rupees One lakh twenty five thousand only)**.
2. Service tax will be paid extra as per prevailing rates.
3. Please note that the time allowed for carrying out the work shall be as per terms and conditions of the Request for Proposals (RFP).
4. You are requested to kindly convey your acceptance in writing and commence the work immediately.

Contd...2/-



-2-

5. You are also requested to attend this office to complete the formal agreement within fifteen days from the date of this letter.
6. TDS shall be deducted as applicable.

Thanking you,

Yours faithfully,

Sajju Rodrigues
(Sajju Rodrigues)
Managing Director

Copy to : 1. **The Project Director,**
CBUD Project,
Ministry of Urban Development,
Government of India,
Nirman Bhavan,
New Delhi - 110 001

2. **The Commissioner,**
Corporation of the City of Panaji,
Panaji - Goa 403 001

Annexure 4.27: Commitment letter by Bharat Sanchar Nigam Ltd and Synaptic Integrated Telecommunications Service Pvt. Ltd. to commission WiFi hotspots in public places of Panaji



4th April, 2015

To,

The Secretary
Ministry of Urban Development
Nirman Bhawan, Maulana Azad Road
New Delhi - 110011

Subj: Regarding QualiGen-BSNL's commitment to commission 5x High Speed 5G Standard Compatible Wi-Fi services at public places in the City of Panaji under Smart Cities Mission and Digital India Mission

Dear Sir,

QualiGen Wireless Solutions Pvt. Ltd is a fully owned Subsidiary of QualiGen Wireless Solutions Inc, USA and a leader in WiFi and Small cell deployments globally; and has partnered with BSNL on exclusive basis to rollout public WiFi network in South zone and West zone (including Goa) in India.

QualiGen-BSNL team have already launched 5G WiFi hotspots at Varanasi Ghats, Taj Mahal, Saranath Temple, Khajuraho, Konark Temple, Tanjavur Temple, Hampi Temple, Hussain Sagar Lake, Charminar in Hyderabad, APSRTC Bus stand in Vijayawada, Mangalore Airport, Rajahmundry Airport, Bhopal Airport, Vijayawada Airport, Rajahmundry Railway Station, Bangalore Bus Stands; to name a few. We have also deployed city wide Wi Fi Services at Kochi, Calicut, Hyderabad, Rajpur, Gadag, to name few.

We learned that the Panaji City is preparing its Smart City Proposal under "fast track mode" of Smart Cities Mission. We hereby, express our keenness to rollout 5G WiFi Hotspot at BSNL Bulk User Tariff plans for the following six locations of the Panaji City.

Within core city area

- (1) KTCL bus stand in Paltro area of Panaji
- (2) Panaji Municipal Corporation building for providing WiFi access to Church square area
- (3) Mala Lake area
- (4) River cruise jetty

Outside core city area

- (5) Miramar beach
- (6) Dona Paula

Regards,
Ashish
Chief Operating Officer
QualiGen Wireless Solutions Pvt. Ltd.

Copy to: Commissioner, The Corporation of the City of Panaji

QualiGen Wireless Solutions Pvt. Ltd.
A Subsidiary of QualiGen Wireless Solutions Inc
A 107, Bangalore Road Trade Centre, Malleshwara West,
Bangalore 560055, India. Tel: +91 80 23882205 - 04



5th April, 2016

To,

The Secretary
Ministry of Urban Development
Nirman Bhawan, Maulana Azad Road
New Delhi - 110011

Subj: Regarding Synaptic commitment to commission WiFi hotspots at public places in the City of Panaji under Smart Cities Mission and Digital India Mission

Dear Sir,

Synaptic Integrated Tele Services India Pvt Ltd is in business providing value added services and passive infrastructure facilities to telecommunication service providers and has a IP-1 registration from Department of Telecommunications, Government of India as "Infrastructure Provider" which has been issued Leases by the Department of Telecommunications, Government of India to establish, maintain and operate Unified Access Telecommunication Service networks in various telecom circles.

We are currently having a portfolio including Ground Based Mast and Roof Top Towers. Our sharing Tenants include Vodafone Cellular Ltd, Bharati Airtel and Idea Cellular Ltd.

We learned that the Panaji City is preparing its Smart City Proposal under "fast track mode" of Smart Cities Mission. We hereby, declare to financially support for the installation and Operation of Unlimited Free Wifi, at following six locations of the Panaji City with zero financial liability to the Corporation of the City of Panaji (CCP).

Within core city area

- (1) KTCL bus stand in Paltro area of Panaji
- (2) Panaji Municipal Corporation building for providing WiFi access to Church square area
- (3) Mala Lake area
- (4) River cruise jetty

Outside core city area

- (5) Miramar beach
- (6) Dona Paula

Regards,
Ashish
Managing Director
Synaptic Integrated Telecommunications Service Pvt. Ltd

Copy to: Commissioner, The Corporation of the City of Panaji

Synaptic Integrated Telecommunication Service Pvt. Ltd.
DW Models Estate Phase-II, Building No. 3A, Flat S1, Caracalem, Panaji, Goa-403002. Mob: 982-9090008 Email: synaptic.ip@gmail.com

Annexure 4.28: Constitution of Ward Committees - Clause 41 of CCP act, 2002
The Goa, City of Panaji Corporation
Act, 2002

41. Constitution of Wards Committees.— (1) There shall be constituted not more than seven Wards Committees for the City of Panaji, each comprising such contiguous electoral wards, as may be decided by the Corporation.

(2) Each Wards Committee shall consist of:—

(a) the Councillors representing the electoral wards within the territorial area of the Wards Committee;

(b) the officer-in-charge of the territorial area of the Wards Committee, if any;

(c) such number of other members not exceeding three, nominated by the Councillors referred to in clause (a), from amongst the members of recognised non-Government Organisations and community based Organisations engaged in social welfare activities working within the area of the Wards Committee:

Provided that such persons are registered as electors in the Wards within the jurisdiction of the Wards Committee:

Provided further that, the norms for recognition of the non-Government Organisations, the requisite qualification for nomination as members and the manner in which they are to be nominated shall be such as the State Government may prescribe.

(3) The duration of the Wards Committee shall be co-terminus with the duration of the Corporation.

(4) The elected Councillors referred to in clause (a) of sub-section (2) shall at the first meeting of the Wards Committee in each financial year, elect from amongst themselves

the Chairperson who shall hold office until the first meeting in the next following financial year.

(5) The Chairperson of the Wards Committee shall be deemed to have vacated the office as soon as he ceases to be a Councillor.

(6) In the event of the office of the Chairperson falling vacant before the expiry of its term, the Wards Committee shall elect a new Chairperson:

Provided that the Chairperson so elected shall hold office so long only as the Chairperson in whose place he is elected would have held office if such vacancy had not occurred.

(7) The functions of the Wards Committee shall, subject to the general supervision and control of the Corporation be:—

(a) the speedy redressal of common grievances of citizens connected with local and essential municipal services like water supply, drainage, sanitation and storm water disposal;

(b) to consider and make recommendations on the proposals regarding estimates of expenditure pertaining to the wards under different heads of accounts of the budget before being forwarded to the Commissioner;

(c) to grant administrative approval and financial sanction to the plans for municipal works to be carried out within the territorial area of the Wards Committee costing upto rupees five lakhs, provided that a specific provision exists therefore in the budget sanctioned by the Corporation.

(8) Notwithstanding anything contained in sub-section (7), the Corporation may, by resolution, delegate to a Wards Committee such other powers, authority and functions as it may deem fit and expedient;

(9) The Wards Committee shall meet at least once in every month at its Ward Office, if any, or in the Corporation Office.

Annexure 4.29.2: Work order – **Treated sewage line from Patto plant to Mandovi river** – Public Works Department, Goa

ANNEXURE - II
Letter for Commencement of Work/Work Order

Registered A/D

No. 3-6/PWD/PHE/WDIII/Accts/ WOT-447/2013-2014.
Government of Goa,
Office of the Executive Engineer,
Works Division III (PHE), P.W.D.,
St. Inez Panaji Goa.

Dated: 03 / 03 / 2014

To,

Wibro Construction Co. Pvt. Ltd.,
1st Floor, 'C' Block Cardozo Building,
Near KTC Bus Stand, Panaji – Goa.

Sub: Maintenance of sewage treatment plant at Tonca – providing and laying of effluent line from Patto Plant to Mandovi River.

Ref: 1. Performance Bank Guarantee submitted by you vide your letter dt 3-3-2014.
2. This Office letter of intent/acceptance of your tender.

No. 3-6/PWD/PHE/WDIII/Accts/2036/2013-14 dated 25-02-2014.


Tendered Cost: Rs. 45,50,091.00
Estimated Cost: Rs. 47,89,574.00

Sir,

You are requested to contact the Asst. Engineer, Sub. Div. II, for taking possession of site and starting the work at once.

In continuation to the letters referred to above, you are requested to attend this office to complete the formal agreement within fifteen days from the date of this letter.

Date of commencement: 18/03/2014
Date of completion: 14/09/2014
Expenditure is debatable to
Budget Head: 4215/02/106/01/53-Major works.

Yours faithfully,

Executive Engineer-III

Annexure 4.29.3: GSIDC letter - Treated waste water would be used for **Green Highway Mission**



Ref. No. : GSIDC/SMD/Smart City/Engg/ 1136 203

15th April 2016

To
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110 001.

Sir,

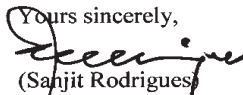
Sub. : In-Principle Approval for the involvement and support in implementation of Green Highways for Goa for the Panaji's Revised Smart City Proposal.

It is to communicate that the GSIDC is carrying out the work of "Greens Highways for Goa" under the Green Highways Policy 2015 as a part of National Green Highway Mission which has been unveiled by the Ministry of Road Transport, Highway and Shipping, Government of India and Some stretch of highways in Panaji City is taken under consideration in this Mission. The purpose of this Mission is to encourage the areas and activities of Plantation, Transplantation, Beautification & Maintenance of National Highways in the State of Goa. The innovative ideas like use of treated waste water for horticulture purpose, soil stabilization are also in consideration for implementation.

A High Level Meeting was convened and was chaired by Hon'ble Chairman, GSIDC in the presence of Mission Director & Country Head, National Green Highways Mission (NGHM), MoRTH & NHAI, GoI, Principal Chief Conservator of Forest, Member Secretary of Goa State Biodiversity Board etc on 9th February 2016. The Minutes of Meeting are enclosed for the reference. The Ministry has given in principal approval for the work to be taken up on the National Highways passing through the State of Goa under NGHM.

Thanking you,

Yours sincerely,


(Sahjit Rodrigues)
Managing Director

Encl: As above

Annexure 4.30.1: 24x7 Water Supply project letter – Public Works Department, Goa

Inward No.	16608
Date	3/3/16
GSIDC LIMITED	

No. 1 / 1 / PWD/WDIII/ADM/2015-16/192E

Government of Goa,
Office of the Executive Engineer,
W. D. III (PHE-N), P.W.D.,
St.- Inez, Panaji - Goa.

Dated :- 02/03/2016.

To,
The Executive Director,
State Level Nodal Agency,
AMRUT & Smart City,
GSIDC, EDC Panaji - Goa.

Sub :- 24 x 7 Water Supply Project for Panaji city.

Ref :- GSIDC/Engg/Works/1136/6333 dated 17/2/2016.

Sir,

With reference to above, it is to state that, on completion of subject work,
100% coverage for water supply for Panaji city shall be achieved.

Yours faithfully,



Executive Engineer-III

Copy to:- The Assistant Engineer, S.D. I, W.D III(PHE-N), PWD St. Inez, Panaji,
Goa for information.

Annexure 4.30.2: Work Order - Boca de vaca-renovation and up gradation (spring)

409

By Reg A.D.

No: GTDC/SPV-PC/Accs-14/2015-16/15

Date: 28/09/15

To:
Goa Works Engineering and Electrical Pvt. Ltd.
A7, 2nd Floor, Esar Galaxy,
Shankarwadi, Paligao,
Panaji - Goa 403002

Sub: "Renovation and Upgradation of Spring Tunnel and surrounding areas at Boca - de - Vaca, Panaji - Goa."
Estimated Cost - Rs. 1,09,66,439/78

Sr

Your item rate tender for the work mentioned above has been accepted by this Corporation for an amount of Rs. 1,15,09,634/- (Rupees One Crore Fifteen Lakh Nine Thousand Six Hundred and Thirty Four only) which is 4.95% above the estimated cost of Rs. 1,09,66,439/78 put to tender.

You are requested to attend this office to complete the formal agreement within 7 days of the receipt of this letter.

Please note that the time allowed for carrying out the work as entered in the tender shall be reckoned from the 15th day after the date of this order to commence the work.

You are also requested to contact Assistant Engineer for taking possession of site and starting the work. Time allowed for carrying out work is 150 days from the date of issue of this work order.

You are requested to deposit amount equal to 5% of tendered value of the contract i.e. Rs. 5,75,482/- (Rupees Five Lakh Seventy Five Thousand Four Hundred and Eighty Two Only) as Performance Security immediately on receipt of this order.

The other terms and conditions remains the same as per the tender documents.

Date of Commencement: 13/10/2015
Stipulated date of completion: 10/03/2016

Thanking you

Yours faithfully
Nikhil D. Desai
(Nikhil D. Desai)
Managing Director

Suman
Arav
Janu
Gauri
Physician 12/11/15
Vijeth

Copy To: 1. Director, Dept. of Tourism, Panaji
2. The General Manager (Finance), GTDC Ltd.
3. The Chief Accounts Officer, GTDC, SPV PC, Panaji
4. The Executive Engineer (I), GTDC - SPV Project Cell, Panaji
5. The Assistant Engineer (II), GTDC - SPV Project Cell, Panaji
6. Income Tax Office, Panaji Goa
7. The Labour Commissioner, Shram Shakti Bhavan, Patis Plaza panaji
8. The Commissioner, Commercial Taxes, old high court bldg, Panaji
9. Accounts Section
10. Guard File

Goa Tourism Development Corporation Ltd
2nd floor, Paryatan Bhawan, Forto - Panaji, Goa, India 403 001
T: +91 832 2457 132 / 2457 228 / 2438 515 F: +91 832 2457 633 W: www.goa-tourism.com

Project: Goa (SPV)
Goa Tourism Dev. Corp. Ltd.
Panaji - Goa

Inward No: 1992
Dated: 16/10/2015

Annexure 4.31.1: Financial Assistance from NABARD – NIDA for New Mandovi Bridge

National Bank for Agriculture and Rural Development
Goa Regional Office
3rd Floor, Nizari Bhavan, Menezes Braganza Road,
Panaji - 560004, Goa. Tel.: 0832-2220490, 2432967, 2420504, Fax: 0832-2223429
E-mail: panaji@nabard.org, Website: www.nabard.org



राष्ट्रीय कृषि और ग्रामीण विकास बैंक
गोवा क्षेत्र कार्यालय
तीसरी मंजिर, निजारी भवन, मेनेझ ब्रगन्झा रोड, पानजी - 560004
दूरध्वनी: 0832-2220490, 2432967, 2420504 फ़ैक्स: 0832-2223429
ई-मेल: panaji@nabard.org, वेबसाइट: www.nabard.org

Government of Goa
Finance Department
Finance (Debt Management) Division
Secretariat, Porvorim – Goa

Ref No. NB. Goa / 30 / BID / NIDA – Mandovi / 2015-16

08 April 2015

The Managing Director
The Goa State Infrastructure Development Corporation Ltd. (GSIDC),
Govt. of Goa, EDC Bhavan,
Panaji, Goa

Inward No. 495
Date: 9/4/15
GSIDC LIMITED

No.1-2-2015-Fin(DMU)

Dated: - 12/02/2015

To
The Managing Director,
Goa State Infrastructure Development Corporation,
EDC House,
Panaji – Goa

Inward No. 16746
Date: 12/2/15
GSIDC LIMITED

Subject: Financial Assistance for new Mandovi Bridge.

Sir,

I am directed to refer to your Note dated 12/02/2015 on the subject cited above and to convey the Government approval for availing loan from NABARD-NIDA for construction of Mandovi Bridge.

Yours faithfully,

(Meena Priolkar)

Under Secretary Fin. (Bud-II)

Copy for information to :- The Deputy General Manager, National Bank For Agriculture & Rural Development, Goa Regional Office, 3rd Floor, Nizari Bhavan, Menezes Braganza Road, Panaji – Goa.

GSIDC- Financing for Construction of Bridge across river Mandovi including approaches on NH 17 between Punadlik Nagar junction and Mercus junction - NABARD Infrastructure Development Assistance (NIDA)

Please refer to your letter No. GSIDC/1093/6953 dated 17 February 2015 submitting a project for sanction of term loan for construction of Bridge across river Mandovi including approaches on NH 17 between Punadlik Nagar junction and Mercus junction, Goa. We are pleased to sanction the above project with following financial programme under NABARD Infrastructure Development Assistance (NIDA). The breakup of the project cost approved by us is given in Annexure-III.

	Means of Finance	Amount (Rs crore)
1	Project cost	514.00
2	Margin from State Govt. (10% of 1)	51.40
3	Term loan under NIDA (90% of 1)	462.60

2. The aforesaid facility is subject to the General Terms and Conditions applicable to NIDA loans as set out in Annexure I, in addition to the terms and conditions as contained in loan agreement and the project-specific Special Terms and Conditions set out in Annexure II hereto. The above facility is also subject to such other terms and conditions as may be stipulated by NABARD from time to time.

3. You shall enter into Loan Agreement and other documents with NABARD. The copies of the agreements and other documents would be forwarded by NABARD after the acceptance of the Special and General Terms and Conditions relevant to the project forming part of this letter of intent.

4. In case the above Terms and Conditions are acceptable to you, you may sign and return the duplicate copy of the letter with the endorsement that you are agreeable to avail of the loan on the terms and conditions given in this sanction letter and in the Annexure I, II & III.

Annexure 4.31.2: Financial approval and Tender Notice for the Construction of bridge across Rua de Ourem Creek,

MINUTES OF THE EFC MEETING HELD AT SECRETARIAT ON 21st JANUARY 2016 FOR THE WORK OF "CONSTRUCTION OF BRIDGE ACROSS RUA DE OUREM CREEK, PANAJI"

MEMBERS PRESENT:

EXPENDITURE FINANCE COMMITTEE:

- 1. Shri R. K. Srivastava, Chief Secretary : Chairman
- 2. Shri Amey Abhyankar, Special Secretary (Budget) : Member
- 3. Shri Michael D'Souza, Addl. Secretary (Finance) : Member

GOA STATE INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED

- 4. Shri Subhash Nage, Chief General Manager
- 5. Shri Sandip K. Prabhu Chodnekar, Manager(Engg.)
- 6. Shri. Murthy Dewar, Dy. Manager (Engg.)
- 7. Shri. Mahadev Naik, Asst. Manager (Engg.) - Tr

- A. At the onset of the meeting, the Manager (Engg), GSIDC presented the proposal of the project to the members present for the Expenditure Finance Committee (EFC) meeting.
- B. The Manager (Engg), GSIDC also briefed the members about the scope of the work and justified the need of the project. The Salient Features of "Construction of Bridge across Rua De Ourem Creek, Panaji" were also explained. It was informed that the Bridge consists of three span prestressed bridge having 2 spans of 30m on sides and central span of 43m.
- C. The Manager (Engg), GSIDC informed that lots of traffic congestions are faced at Kadamba Bus stand circle due to presence of single entry to city. It was also informed that after completion of new bridge second entry will be created thereby catering Bhatlem, Donapaula, Taleigao area.
- D. The Manager (Engg), GSIDC also informed that the new 4 lane concrete road at Rua de Ourem to be constructed by GSIDC will be connected to the new proposed bridge.

(Signature)

- E. Further Manager (Engg), GSIDC informed that the existing water supply pipeline will be shifted once first lane is completed. It was informed that bridge will be constructed in two stages i.e first lane will be constructed and then lane2.
- F. The Manager (Engg), GSIDC informed that the total expenditure /cost of the work put forth before EFC is Rs. Say Rs. 27.37 crore including consultancy fees, contingencies and Development fees.
- G. Further it was informed that there will be dedicate service corridor in between the two bridges and the provision for water supply pipeline will be made in this corridor between the two lanes of the bridge.
- H. After due deliberations, on the project details as presented by GSIDC, it was decided to accord EFC approval for the same.

(Signature)
 (Sandip K. Prabhu Chodnekar)
 Manager (Engg.)
 (On behalf of Managing Director, GSIDC)

(Signature)
 (Michael D'Souza)
 Addl. Secretary (Finance)
 Government of Goa

(Signature)
 (Amey Abhyankar)
 Special Secretary (Budget)
 Government of Goa

(Signature)
 (R. K. Srivastava)
 Chief Secretary
 Government of Goa

GOA STATE INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED
(A Government of Goa Undertaking)
 7th Floor, EDC House, Dr. A.B. Road, Panaji-Goa - 408001.
 Tel: 0832-6645697-3, Fax: 0832-2226236 Email: email@gsidcfdt.com

GSIDC
GOVERNMENT OF GOA

Date: 25/01/2016

TENDER NOTICE
(ELECTRONIC MODE ONLY)

No. GSIDC/ENGG/NT-107/2015-2016
 Goa State Infrastructure Development Corporation (GSIDC) invites online bids under the system on item rate basis for works at (A), (B), (C) & (E) and rate contract basis for work at (D) from eligible Contractors/Agencies for the following works:

- A. Construction of Bridge across Rua de Ourem Creek, Panaji (Estimated cost - Rs.23,64,70,437.00)
- B. Demolition and Re-construction of Old Existing Box Culvert on D. B. Marg over St. Inez Creek, Panaji (Estimated Cost - Rs. 4,34,95,907.00)
- C. Additional works from Sai Services Junction to Training College Junction at Porvorim, Goa (Estimated Cost - Rs. 2,90,70,472.00)
- D. Facility Management Services for Sanskuli Bhavan, Patis, Panaji & Dr. Luis Gomes District Library, Navaim, Margao. (Estimated Cost: Rs. 2,00,00,000.00)
- E. Demolition of Existing Bridge and Re-Construction of Box Culvert on 18th June Road over St. Inez Creek, Panaji (Estimated Cost - Rs. 1,91,24,872.00)

The Earnest Money should be deposited along with tenders in the appropriate form as given in the detailed tender notice. For detailed Tender Notice, please visit our website <http://www.gsidcfdt.com>. For participation in the e-Tender, please visit our e-Tender website <http://www.tenderwizard.com/GSIDC>.

MANAGING DIRECTOR

Annexure 4.31.3: Financial Approval for the Concretization of road along the Rua de Ourem creek

MINUTES OF THE EFC MEETING HELD AT SECRETARIAT ON 25TH FEBRUARY 2014 FOR THE WORK OF "CONSTRUCTION OF CONCRETE ROAD INCLUDING WIDENING AND BEAUTIFICATION OF ROAD AT RUA-DE- OUREM"

MEMBERS PRESENT

EXPENDITURE FINANCE COMMITTEE

1. Shri B. Vijayan, Chief Secretary	:	Chairman
2. Shri P. Krishnamurthy, Secretary (Finance)	:	Member
3. Shri Michael D'Souza, Addl. Secretary (Finance)	:	Member



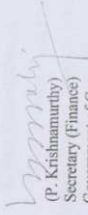

GOA STATE INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

4. Shri Subhash Nages, Chief General Manager		
5. Shri P. V. K. Nair, General Manager		
6. Shri Dilip S. Joshi, Manager (Engg.) - I		
7. Shri Sandip K. Prabhu Chodnekar, Manager (Engg.) - II		
8. Shri Sandeep V. Pednekar, Dy. Manager (Engg.)		

1. Chief General Manager, GSIDC presented the proposal of "Construction of Concrete Road including widening and beautification of Road at Rua de Ourem" to the members present for the EFC meeting.
2. Chief General Manager stated that the above work is part of the "Holistic Design of Panaji City" and briefed the members about the scope of work.
3. The Chief Secretary inquired regarding the location of the above road project. Chief General Manager stated this road is from Pato to Neugi Nagar (4 pillar) and runs parallel to Rua de Ourem creek ending at the junction to St. Cruz and Bhatlem. Further, Manager - II explained that road is 4 lane and second entry to Panaji city which further shall be extended upto Dona Paula.
4. Chief Secretary expressed that there is space constraint at some portion of the Road, especially at the footbridge location i.e. St. Paul Building etc. Manager - II explained that the footpath will be continued in the water portion by cantilever and the road will be widened.
5. Additional Secretary (Finance) inquired regarding the shifting of nullah adjacent to GHRSSIDC. Manager (Engg.) - II stated that the footpath shall be over the nullah.

6. The total expenditure / cost of the work, put forth before EFC is Rs.43.14 crore. After due deliberations on the project details, as presented by GSIDC, it was decided to accord approval for the same.

The meeting ended with thanks to the Chair.

 (Subhash Nages) Chief General Manager GSIDC	 (Michael D'Souza) Addl. Secretary (Finance) Government of Goa
 (P. Krishnamurthy) Secretary (Finance) Government of Goa	 (B-Vijayan) Chief Secretary Government of Goa

Annexure 4.31.4: Financial Approval for the Construction of Terminal Building at Captain of Ports Jetty at Panaji,

Since, the area is under the jurisdiction of Captain of Ports, they may approach the Electricity Department, Public Works Department, Corporation of the City of Panaji for obtaining electricity, water supply and sewerage connection respectively, once project is completed.

- The Committee was intimated that the total expenditure for the project is Rs. 28.61 crores and the funding for the project will be done by the Captain of Ports. After detailed deliberations the Committee approved the project cost amounting to **Rs. 28.61 crore.**

The meeting ended with thanks to the Chair.

MINUTES OF THE EFC MEETING HELD AT SECRETARIAT ON 21ST JANUARY 2016 FOR THE WORK OF "CONSTRUCTION OF TERMINAL BUILDING AT CAPTAIN OF PORTS JETTY AT PANAJI, GOA"

MEMBERS PRESENT

EXPENDITURE FINANCE COMMITTEE

- | | | |
|---|---|----------|
| 1. Shri R. K. Srivastava, Chief Secretary | : | Chairman |
| 2. Shri Ameya Abhyankar, Special Secretary (Budget) | : | Member |
| 3. Shri Michael D'Souza, Addl. Secretary (Finance) | : | Member |

CLIENT, CAPTAIN OF PORTS


- Shri Amjad Tak, Secretary (Ports)
- Shri James Braganza, Captain of Ports
- Shri Octavio Rodrigues, Marine Engineer and Ship Surveyor


GOA STATE INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.


- Shri Subhash Nage, Chief General Manager.
- Shri Dilip Joshi, Manager (Engg.) - I.
- Shri Sudesh Sangodkar, Dy. Manager (Engg.)

- The Captain of Ports gave detailed presentation on the project "Terminal Building" before the EFC committee members present.
- The Captain of Ports briefed the members about the scope of work and justified the need of the project. Further, the salient feature of the building was also presented as follows:


- The proposed terminal building is designed in front of the newly-constructed jetty in Panjim, Goa. The proposed building comprises of ground floor and three upper floor levels.
- The ground floor with built up area of 789.1 sq. m. houses a double-height lobby for passengers, café, wash rooms, immigration and customs office and other office spaces which are supposed to be rented out.



(James Braganza)
Captain of Ports
Government of Goa


(Subhash Nage)
Chief General Manager
For Managing Director, GSIDC


(Amjad Tak)
Secretary (Ports)
Government of Goa


(Michael D'Souza)
Addl. Secretary (Finance)
Government of Goa


(Ameya Abhyankar)
Special Secretary (Budget)
Government of Goa


(R. K. Shrivastava)
Chief Secretary
Government of Goa

Annexure 4.32: Minutes of Ordinary Corporation meeting dated 24/11/2015 – To accord approval for Slum Survey for Panaji under Rajiv Awas Yojana (RAY)

CORPORATION OF THE CITY OF PANAJI
 PANAJI GOA
 MINUTES OF ORDINARY CORPORATION MEETING CONVENED BY THE HON. MAYOR ON
 24/11/2015 AT 4.30 P.M. IN THE CORPORATION HALL.

Quorum:

1. Shri Shubham G.Chodankar – Mayor
2. Shri Edward Jorge – Dy. Mayor
3. Smt. Ana Rosa Lopa – Councillor
4. Smt. Margarida C. Fernandes – Councillor
5. Smt. Sheetal Nalk – Councillor
6. Shri Benito Lora – Councillor
7. Smt. Shweta L. P. Loulikar – Councillor
8. Shri Jony Pinto Makhija – Hon. Councillor
9. Shri Bharat P. Hobbie – Councillor
10. Smt. Maya Talkar – Councillor
11. Shri Yatin Parakh – Councillor
12. Shri Sheshhar Degvekar – Councillor
13. Smt. Pascoela Mascarenhas – Councillor
14. Shri Pradyot Valjankar – Councillor
15. Shri Ramakrishna Fatarpakar – Hon. Councillor
16. Smt. Maria Rita P. Fernandes – Councillor
17. Smt. Krishna Shirodkar – Councillor
18. Shri Gangaram Kale – Councillor
19. Shri Rudolph Chodankar – Councillor
20. Smt. Diksha Mayenkar – Councillor
21. Smt. Shubhada Dhond – Councillor
22. Smt. Pratima P. Hobbie – Councillor
23. Smt. Pratima P. Hobbie – Councillor

In attendance:

1. Shri Sanjit Rodrigues – Commissioner
2. Shri Sudhir Kerkar – Dy. Commissioner
3. Shri John Albreu – Municipal Engineering Officer
4. Shri Bernard Devassy – Assistant Accounts Officer
5. Shri Laxman Gaunce – Administrative Accounts Officer

The Hon. Mayor declared the meeting open, welcomed all those present and took up the agenda item for discussion.

1. Continuation of minutes of the Ordinary meeting dated 19/10/2015 & 23/10/2015.

The minutes of the Ordinary meeting dated 19/10/2015 and 23/10/2015 were perused and unanimously confirmed by the Corporation.

2. Minutes of Standing Committee meetings dated 20/07/2015 and 24/08/2015 for information.

At pg. 2 of the minutes dated 20/7/2015 a mention of appreciation in regard to the efforts of Hon. Mayor and Commissioner for setting up the Panaji Archives through the Ganesha Ganesha Foundation was made by Hon. Councillor Shri Kabir Pinto Makhija.

Referring to Standing Committee meeting dated 20/7/2015, pg. 4 item 25 – Hon. Councillor Shri Benito Lora drew attention to the subject item – **Approval for procuring of cold tar for removing of potholes from city roads** which he noted was incorrect and hence it was accordingly corrected and replaced with **Removing potholes with cold tar in GCP contribution**.



8. To accord approval for Slum survey for Panaji under (RAY) Rajiv Awas Yojana scheme submitted by All India Institute of Local Self Government, Mumbai, for Corporation of the City of Panaji.

The Corporation was explained that the Goa State Urban Development Agency (GSUDA) vide their letter dated 23/8/2013 had identified RCUES (Regional Centre for Urban



Environment Studies) of ALLSG Mumbai, to conduct slum survey in Panaji under the RAY scheme of Ministry of Housing & Urban Poverty Alleviation, Govt. of India, as per Ministry rates.

The Corporation had accordingly signed an Agreement with (RCUES) on

13/12/2013 and released mobilization advance of Rs.6,56,750/- on 3/3/2014. Vide letter dated

12/8/2015 (RCUES) have submitted the final RAY report to this Corporation with a request to

release the balance payment.

After discussions, the Corporation accorded its approval to the RAY report and

release of the balance payment of Rs. 19,71,250/- to the Regional Centre for Urban

Environment Studies.

Annexure 4.33.1: AMRUT financial sanction letter by Ministry of Urban Development (2015-16)

Page 1 of 1
C/165

F No (K-140/2149/2015-SC-II)
Government of India
Ministry of Urban Development

Inward No. 1887
Date 01/3/16
G S I D C LIMITED

Nirman Bhawan, New Delhi
Dated 09th March, 2016

To,
The Pay & Account Officer (Sec-I),
Ministry of Urban Development
Nirman Bhawan, New Delhi

Subject: Release of first instalment of Central Assistance (CA) amounting Rs.5,94,00,000/- (20% of the approved Central Share towards project fund of Rs.29.72 crore) to Govt. of Goa under Atal Mission for Rejuvenation and Urban Transformation (AMRUT).

I am directed to convey the sanction of the Competent Authority for the release of an amount of Rs. 5,94,00,000/- (Rupees Five Crore and Ninety Four Lakh only) to the State Government of Goa. This amount is being released as 1st instalment being 20% of the approved Central Assistance towards project fund of Rs.29.72 crore under Atal Mission for Rejuvenation and Urban Transformation (AMRUT) for implementation of projects related to Water Supply, Sewerage, Urban Transport and Parks/Green spaces. The total approved size of State Annual Action Plan (SAAP) of Goa is Rs.59.44 crore for 2015-16.

2. The first instalment is being released on the basis of estimated project cost and any excess or shortfall in the first instalment shall be adjusted while releasing the second instalment of Central Assistance based on approved cost.

3. Diversion of Central Grants for purposes other than the Mission projects is not allowed and shall entail levy of penal interest on the amount and any other action by the Apex Committee and may include adverse effect on release of grants.

4. As per the provision of the Mission's Guidelines, State Government is required to release the Central Assistance funds along with State share to the ULBs within seven working days of release of Central share by the Ministry otherwise interest at the rate specified by the Ministry of Finance shall be levied on the State for delay and appropriate deductions made from future instalments.

5. This release will be governed in terms of provisions of GFR. The amount of Central Assistance should be kept in separate account and be open to inspection/Audit as per provisions.

Contd.....

http://10.190.0.173/PMIS/Viewer.aspx?Key=203181

3/16/2016

Page 1 of 1
C/164

2.

6. Atal Mission for Rejuvenation and Urban Transformation (AMRUT) is a new Mission and presently no utilization certificate is pending from the State under the Mission.

7. The sanction has been enter at Sl No. 22 of the sanction register.

8. The expenditure involved is debitable to the Major Head 3601 - Urban Development, 04 - grants for Centrally Sponsored Plan Scheme, 315- other Urban Development Scheme- Assistance to Local Bodies, Corporations, Urban Development Authorities, Town Improvement Boards etc. 04 Urban Rejuvenation Mission- 500 Habitations, 04 00 35-Grants for creation of capital assets under grant No. 104 - Ministry of Urban Development of the year 2015-16 (Plan).

9. The amount of Rs.5,94,00,000/- will be credited to the State Government's account to RBI as per procedure laid down by Ministry of Finance, Department Expenditure vide OM No.F-II (4576/SC) dated 22.02.1977.

10. This issues with the concurrence of Integrated Finance Division vide their Dy No. 336/IFD/2016 dated 07.03.2016.

Yours faithfully,
(Rajendra Pratap Singh)
Under Secretary to the Government of India

Copy to:-
1. Principal Secretary, Urban Development Department, Government of Goa, Panaji. The amount released be utilised for the purpose for which it has been sanctioned and utilization status be furnished within six months.
2. Cash Section, MoUD
3. Budget and Account Section, Ministry of Urban Development.
4. Finance Division, MoUD
5. Guard File of the Section.

(Rajendra Pratap Singh)
Under Secretary to the Government of India

http://10.190.0.173/PMIS/Viewer.aspx?Key=203181

3/16/2016

Annexure 4.33.2: AMRUT financial sanction letter by Ministry of Urban Development (2016-17)

K-14012/180/2015 SC-II
Government of India
Ministry of Urban Development
AMRUT Division


OFFICE MEMORANDUM

Nirman Bhawan, New Delhi
Dated: 23rd March, 2016

Subject: Minutes of 8th Meeting of Apex Committee under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) regarding.

The undersigned is directed to forward herewith the minutes of 8th meeting of Apex Committee held under the Atal Mission for Rejuvenation and Urban Transformation (AMRUT) on 15.03.2016 for information and necessary action.

Encs. As above.


(R.P. Singh)
Under Secretary (AMRUT)
Telephone: 011-23061407

To,

- Secretary (Department of Expenditure).
- Secretary (Department of Economic Affairs).
- Principal Advisor (HUD), NITI Aayog
- Secretary (Drinking Water & Sanitation).
- Secretary (Housing & Urban Poverty Alleviation).
- Secretary (Environment, Forest & Climate Change).
- Joint Secretary (PF-II), Department of Expenditure.
- Joint Secretary & FA, MoUD.
- OSD (UT), MoUD.
- Adviser (CPHEEO).
- Chief Planner, TCPO, Vikas Bhawan, IP Estate, New Delhi.
- Director, NIUA, India Habitat Centre, New Delhi.
- Secretary (UD), Department of Urban Development & Housing, Govt. of Arunachal Pradesh, Civil Secretariat, Itanagar.
- Secretary (UD), Department of Municipal Administration, Housing & Urban Development (MAHUD), Manipur Secretariat, South block, Govt. of Manipur, Imphal-795001.
- Secretary (UD), Planning & Urban Development, Civil Secretariat, Government of Nagaland, Kohima-797001
- Secretary (UD & Housing), Deptt. of UD & Housing, Govt. of Sikkim, NH-31A, Gangtok, Sikkim - 737 101
- Secretary Local Government-cum-Home Secretary, Chandigarh Administration, Union Territory of Chandigarh - 160009
- The Secretary (UD) / Director of Local Bodies (DLB), Urban Development Department (UDD), Govt of NCT Delhi, New Delhi.

Copy to:

- PSO to Secretary (UD)
- PPS to AS(UD), PPS to AS (SC)

ANNEXURE-III						
Atal Mission for Rejuvenation and Urban Transformation (AMRUT)						
States/UTs wise allocation of Central Funds for 2016-17						
S.No.	State/UT	Percentage share of States/UTs (50:50 Urbanization: No of Statutory Towns)	Amount of CA for which SAAP to be submitted by State./UTs	ASOE Shares of States/UTs	Rs. in crores	Amount to be released as 1st instalment on SAAP approval
1	A&N Islands	0.03%	3.6	0.096	0.72	0.72
2	Andhra Pradesh	2.93%	351.6	9.376	70.32	70.32
3	Arunachal Pradesh	0.35%	42	1.12	8.40	8.40
4	Assam	1.64%	196.8	5.248	39.36	39.36
5	Bihar	3.23%	387.6	10.336	77.52	77.52
6	Chandigarh	0.15%	18	0.48	3.60	3.60
7	Chhattisgarh	2.80%	336	8.96	67.20	67.20
8	Daman & Diu	0.05%	6	0.16	1.20	1.20
9	Dadra & Nagar Haveli	0.03%	3.6	0.096	0.72	0.72
10	Delhi	2.23%	267.6	7.136	53.52	53.52
11	Goa	0.29%	34.8	0.928	6.96	6.96
12	Gujarat	5.74%	688.8	18.358	137.76	137.76
13	Haryana	2.12%	254.4	6.784	50.88	50.88
14	Himachal Pradesh	0.76%	91.2	2.432	18.24	18.24
15	Jammu & Kashmir	1.48%	177.6	4.736	35.52	35.52
16	Jharkhand	1.57%	188.4	5.024	37.68	37.68
17	Karnataka	6.43%	771.6	20.576	154.32	154.32
18	Kerala	3.72%	386.4	10.304	77.28	77.28
19	Lakshadweep	0.01%	1.2	0.032	0.24	0.24
20	Madhya Pradesh	7.19%	862.8	23.008	172.56	172.56
21	Maharashtra	9.80%	1176	31.36	235.20	235.20
22	Manipur	0.45%	54	1.44	10.80	10.80
23	Meghalaya	0.20%	24	0.64	4.80	4.80
24	Mizoram	0.35%	42	1.12	8.40	8.40
25	Nagaland	0.30%	36	0.96	7.20	7.20
26	Odisha	2.21%	265.2	7.072	53.04	53.04
27	Puducherry	0.18%	21.6	0.576	4.32	4.32
28	Punjab	3.34%	400.8	10.688	80.16	80.16
29	Rajasthan	4.47%	536.4	14.304	107.28	107.28
30	Sikkim	0.10%	12	0.32	2.40	2.40
31	Tamilnadu	13.19%	1582.8	42.208	316.56	316.56
32	Telangana	2.31%	277.2	7.392	55.44	55.44
33	Tripura	0.37%	44.4	1.184	8.88	8.88
34	Uttar Pradesh	13.65%	1638	43.68	327.60	327.60
35	Uttarakhand	1.48%	177.6	4.736	35.52	35.52
36	West Bengal	5.35%	642	17.12	128.40	128.40
	Total	100%	12000	320	2400	2400

Annexure 4.33.3: **AMRUT – Involvement and support** letter by Corporation of the City of Panaji



CORPORATION OF THE CITY OF PANAJI

Panaji - Goa 403 001 INDIA.

Tel: (91-832) 222 3339, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2426998

E-mail: commissioner@ccpgoa.com | Web: www.ccpgoa.com

Ref. No. : CCP/PROJECTS (SMART-CITY) 2016-17/1993

15th April 2016

To

The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110 001.

Sir,

Sub. : In-Principle Approval for the involvement and support in implementation of Projects under AMRUT for the Panaji's Revised Smart City Proposal.

With reference to the submission of Revised Smart City Proposal, Panaji on Fast Track Mode, Goa State Annual Action Plan (SAAP) for the Financial Year (F.Y.) 2015 - 16 has been approved at the 7th Meeting of Apex Committee under the Atal Mission Rejuvenation and Urban Transformation (AMRUT) on 23rd February 2016. The SAAP is formed by aggregation of SLIPs of various thrust areas such Urban Transport, Sewerage & Septage Management, Water supply, Storm Water Drainage and Green Spaces and Park. All the projects undertaken in this Mission will be placed before The State Level Technical Committee (SLTC) for approval.

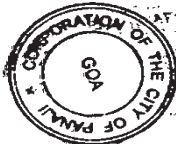
Subsequently, the Detailed Project Report (DPR) is under preparation and all the projects undertaken in this various thrust areas will be placed before the State Level Technical Committee (SLTC) for approval.

It is anticipated that the State Mission Directorate will give in principle approval for all the proposed projects that it will be implemented effectively in a time bound manner.

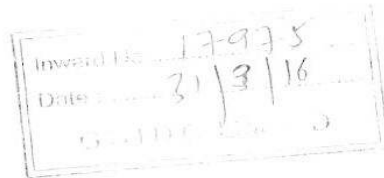
Thanking you,

Yours sincerely,

(Sanjit Rodrigues)
Commissioner



Annexure 4.33.4: Allocated funds for **Swadesh Darshan, Goa**



309

Ref.No.MD/GTDC/2016/4999

Dated: 31/032016

To
The Managing Director
GSIDC Ltd.
EDC House, 7th Floor
Panaji Goa

Ref: Swadesh Darshan Scheme

Sir,

This is to confirm that the Ministry of Tourism, Govt. of India has sanctioned an amount of Rs.99.99 Crores for the project of "Goa Coastal Circuit Development" under the Swadesh Darshan Scheme. The projects were approved by the Central Sanctioning Monitoring Committee, under the Chairmanship of Secretary, Ministry of Tourism in a meeting held on 18/3/2015 in New Delhi. •

This is for your kind information and necessary action.

Yours truly,

(Signature)
(Nikhil Desai) DR

MANAGING DIRECTOR
GOA TOURISM DEVELOPMENT CORPORATION LTD.
EDC HOUSE BUILDING
2ND FLOOR, PATTO, PANAJI - GOA

Goa Tourism Development Corporation Ltd
2nd floor, Paryatan Bhavan, Patto - Panaji, Goa, India 403 001
T: +91 832 2437 132 / 2437 728 / 2438 515 F: +91 832 2437 433 W: www.goa-tourism.com

Annexure 4.34.1: Work order of Salgaon Solid Waste Treatment Plant,



GOA STATE INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED

(A Government of Goa Undertaking)
Registered Address: 7th Floor, EDC House, Dr. Atmaram Borkar Road, Panaji - Goa 403 001.



GOA STATE INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED

(A Government of Goa Undertaking)
Registered Address: 7th Floor, EDC House, Dr. Atmaram Borkar Road, Panaji - Goa 403 001.

LETTER OF AWARD

Letter No.:GSDIC/Engg/Works/931/ 7386 Date: 4th March 2014

To
M/s SMC Infrastructures Pvt Ltd,
101, Akruti-SMC,
Khopat, LBS Marg,
Thane (W) - 400 601

Dear Sir,

Subject: Letter of Award for "Design, Engineering, Financing, Construction, Supply, Installation, Commissioning, Performance Run and Operation and Maintenance for a period of ten (10) years of 100 tons/day (TPD) / 36,500 tons/annum (TPA) capacity Municipal Solid Waste (MSW) Processing Facility based on Recycle & Sorting Line, Segregation, Bio-methanation and In-vessel Composting at Calangute / Salgaon in North Goa District, Goa".

- Reference:**
1. Your Financial Offer dated 30/10/2013 (enclosed as Annexure -I).
 2. Our letter No. GSDIC/Engg/Works/931/4854 dated 25/11/2013 (request for undertaking regarding technical aspects).
 3. Your letter No. Nil received vide email-dated 17/12/2013 (submission of undertaking).
 4. Our letter No. GSDIC/Engg/Works/935/6151 dated 22/01/2014 (request for negotiation of Financial Offer).
 5. Your letter No. SMC/GSDIC-MSW/27/01/14 dated 27/01/2014 (request for points in the conditions precedent)
 6. Your letter No. SMC/GSDIC-MSW/06/02/2014 dated 06/02/2014 (Your negotiated Offer for North Goa MSW Project).

1. This is in reference to the Detailed Technical and Financial Project Proposals submitted by your Firm/ Consortium in response to the Request for Proposal (RFP) Document issued to your Firm/ Consortium on 31.08.2013.
2. Following the submission of Project Proposals by your Firm/ Consortium on 30/10/2013, the proposal was considered and evaluated by the Expert Committee constituted for Evaluation of Technical Bid. Several clarifications and discussions

have also been conducted with your Firm/ Consortium between 19/11/2013 to 05/02/2014 and undertaking dated 25/11/2013 was submitted by you on 6/12/2013.

3. Following this process, the Authority is pleased to inform you that your Firm/ Consortium has been selected as the "Successful Bidder" (as per section provisions of the Request for Proposal (RFP) Document) for the above Project.

4. Following negotiations with Committee constituted for Evaluation and Negotiation of Financial Bid, your negotiated proposal to the amount as indicated below is accepted:

Sr. No.	Negotiated Project Cost (INR Crores)	Debt-Equity Ratio (INR Crores)	Rate of Interest (INR Crores)	Returns on Equity	Annual Capital Grant (INR Crores)	Gross Annual Operational Support Grant (GAOSG) for 10 years (INR Crores)
1	143.95	75:25	13%	17%	29.90 (Rs. 299,00 Cr. for 10 years)	As per Annexure 1 and Annexure 2

Annexure 1:
Price bid Volume 3, Table 2. Gross annual operating support grant (GAOSG) year wise breakup

Annexure 2:
Price bid Volume 3, Table 3. Factors for computation of the adjustment of the Gross annual operating support (GAOSG)

5. In view of further discussion and negotiation and in view of financial model as enclosed in your letter dated 06/02/2014, your final offer towards project cost of Rs. 143.95 Crores and Annuity Amount of Rs. 29.90 Crores per annum is accepted. Dates on the review: Cost offer all items as per the Annexure 3; Table 4; Breakup of the project cost details figures are proportionately revised. Accordingly, you are hereby requested to acknowledge the receipt of this letter within 7 (seven) days of receipt.

Annexure 4.34.2: Expression of Interest to establish Solid Waste Treatment plant on Public Private Partnership model (Private Vendor),



Hindustan Waste Treatment Pvt. Ltd.

Site Office: Phoenix Estate, 2nd Floor, S-18, Eastern by-pass Road, Gogol, Margao - 403 601

Letter No. HWTPL/GOA/MSW/126

31 March 2016

To
Commissioner
Corporation of the City of Panaji
Panaji, Goa

Subject: Regarding willingness to installation of Bainguinim Plant on the PPP mode

Dear Sir,

As you are aware, M/s. Hindustan Waste Treatment Pvt. Ltd. are the operator and service contractor to the GSIDC for the Saligaon Waste Treatment Plant.

We have recently learned about the possible commissioning of the Bainguinim Material Recovery Facility (MRF). We wish to express our interest and willingness to invest in the proposed Bainguinim plant and undertake its operation on the Public Private Partnership (PPP) mode.

Yours sincerely

For M/s Hindustan Waste Treatment Pvt Ltd.

Authorized Signatory



Annexure 4.34.3: Work Order - Establishing Infrastructure for Organic Waste Management Facility at Patto,

[BY REGISTERED / SPEED POST]

Ref. No. GSIDC/Engg/Works/799/MSW facility/ 7009

24 February 2014

LETTER OF ACCEPTANCE OF TENDER/WORK ORDER

To
M/S. Shilpi Constructions
OS-09, Second Floor
Sapna Garden
Chogm Road
Alto-Porvorim, Goa

Sir,

Sub. : Establishing Infrastructure for organic waste management facility behind petrol pump at Patto, Panaji, Goa.

Ref. : 1) Tender Notice No. GSIDC/Engg/NIT-150/2013-2014 dated 09/01/2014
2) Bid Document submitted on 28/01/2014
3) Letter No GSIDC/ENGG/Works/799/MSW facility/6956 dated 22nd February 2014
4) Letter No Shilpi/GSIDC/Organic/001 dated 22nd February 2014

1. Your tender for the work mentioned above has been accepted by this Corporation at your negotiated amount of Rs. 3,74,09,124.00 (Rupees Three Crore Seventy Four Lakh Nine Thousand one Hundred twenty four only) which is 27.33% above the estimated cost of Rs. 2,93,80,303.00 and 8.92% above the reasonable cost of Rs. 3,43,44,978.00

2. You are requested to submit the Performance Guarantee of Rs. 18,70,500.00 (Rupees Eighteen Lakh Seventy Thousand And Five Hundred Only) immediately on issue of this letter. The Performance Guarantee shall be in the prescribed form as provided in the Clause 5.4, "Security Deposit" of Volume 1 of the Tender Document and shall be valid upto the stipulated date of completion plus sixty days beyond that. If you fail to furnish the performance Guarantee within the prescribed time, GSIDC reserves the right to forfeit the Earnest Money Deposit submitted by you along with the bid and this award of work is liable for cancellation.

3. Please note that the time allowed for carrying out the work shall be 8 months as entered in the tender.

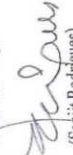
4. You are requested to contact the GSIDC for taking possession of site and starting the work immediately.

ENTRY
No 250
DATE 25 FEB 2014

5. You are requested to attend this office to complete the formal agreement within fifteen days from the date of this letter.

Thanking you,

Yours faithfully,


(Saijitt Rodrigues)
Managing Director

Copy to :

1. **The Commissioner,**
Corporation of the City of Panaji,
Panaji, Goa. -For information
2. **M/s. Rahul Deshpande & Associates,**
ST-8, Sapana Paradise,
Temba Waddi,
Merces, Goa - 403 005. -For information.
3. **The Labour Commissioner,**
Shrama Shakti Bhavan,
2nd Floor, Patto Plaza,
Panaji - Goa. - For information.
4. **The Commissioner, Commercial Taxes,**
Old High Court Building,
Panaji - Goa. - For information.
5. **The Sr. Audit Officer**
Indian Audit and Accounts Department
Office of the Accountant General, Goa
"Audit Bhavan", Green Valley,
Alto Porvorim, Goa - 403 521 - For information.
6. Accounts Section.
7. Office File - Suraj

Annexure 4.34.4: Agreement between Zuari Agro Chemicals Limited (ZACL) and CCP that ZACL shall purchase compost generated and produced by CCP



गोवा GOA
 Date 11/06/2016
 Name S. Corporation of Panaji, Goa
 Place Panaji
 Location
 598413
 Sign of Vendor



AGREEMENT

Preamble

I. The Ministry of Urban Development, Government of India has launched Swachh Bharat Mission on 2nd October, 2014 with following objectives

- i. Elimination of open defecation
- ii. Eradication of Manual Scavenging
- iii. Modern and Scientific Municipal Solid Waste Management
- iv. To effect behavioral change regarding healthy sanitation practices

Handwritten signature

- v. Generate awareness about sanitation and its linkage with public health
- vi. Capacity Augmentation for ULB's

II. To enhance the progress towards objective (iii) above (Modern and Scientific Municipal Solid Waste Management), in its meeting on 23rd January 2016, the Union Cabinet has approved the policy (which has since been notified) for promotion of city compost, wherein a market development assistance of Rs 1500/- per metric tonne of city compost will be paid to fertilizer marketing companies, which will be obligated to purchase all the compost manufactured by respective cities to which they have been tagged.

III. The above policy has since been notified vide notification no. 11026/14/2015-M&E dated 10th February 2016, by the Department of Fertilizers, Ministry of Chemicals and Fertilizers, Government of India. The list of Fertilizer Marketing Companies which have been assigned states and cities therein was also notified.

IV. This agreement is an agreement between The Corporation of City of Panaji and **Zuari Agro Chemicals Limited** which is the designated Fertilizer Marketing Company for Goa India.

This AGREEMENT (hereinafter referred to as 'the Agreement') is made on the 5th day of April 2016 between The Corporation of the City of Panaji a Municipal Corporation of the City of Panaji, constituted or deemed to be constituted under the City of Panaji Corporation Act 2002 (Goa Act 1 of 2003), having its office at Dr Pissurlekar Road, Panaji, Goa, and represented by its Commissioner, Mr. Sanjit Rodrigues (hereinafter referred to as the "CCP" or the First party which expression unless repugnant to the context or meaning thereof shall mean and include its successors, executors, administrators and assignees)

AND

Zuari Agro Chemicals Limited, a Company registered under Companies Act, 1956 having its Registered Office at Jai Kisaan Bhawan, Zuarinagar, Goa - 403 726 and Corporate Office at Gurgaon and represented herein by its Mr. S. Riyaz, Dy. General Manager (hereinafter referred to as "the ZACL" or the Second Party which expression unless repugnant to the context or meaning

Handwritten signature

Handwritten signature

thereof shall mean and include its successors, executors, administrators and assignees).

The First Party and the Second Party shall hereinafter individually be referred to as 'Party' and collectively referred to as 'the Parties'.

WHEREAS the First party is an Urban Local Body (ULB) which generates and produces / manufactures City Compost in powder form as defined in the Fertilizer (Control) order, 1985, having its production facility at Panaji Goa.

AND WHEREAS the **Zuari Agro Chemicals Limited** is in the business of manufacturing and marketing various types of fertilizers, and has been tagged as the nodal fertilizer company for the State of Goa India (and therefore Panaji city) to purchase 100% of city compost from Panaji City.

Now, **THEREFORE** in consideration of the mutual premises and covenants set forth herein, the Parties have agreed and do hereby agree as follows:



1. Construction of this Agreement

1.1 This Agreement shall be governed by and construed in accordance with the laws of INDIA.

2. General Provisions

2.1 Nothing contained in this Agreement shall be construed as or have effect of constituting a relationship of employer and employee or principal and agent between either Party and / or any of its staff, employees, agents or representatives.

2.2 All parties shall be responsible for all acts and omissions of its staff and any persons, associations, institutions engaged by the respective Party whether or not in the course of implementing the obligations under this agreement and the respective Party shall be solely responsible for the health, safety and security of such persons or entities and their property.

3. Validity of this Agreement & Amendment

3.1 This Agreement shall remain in force from 5th April 2016 to 31st March 2017 unless terminated earlier, in accordance with the provision of this Agreement or the period is extended through a mutually agreed amendment to this Agreement.

3.2 The Agreement may be amended by written consent of all the Parties to the Agreement. All amendments shall be documented and allotted a distinctive number <Amendment No>: <Date>.

4. Consideration

4.1 In consideration of mutual covenants agreed between the parties it is agreed that the **Zuari Agro Chemicals Limited** shall purchase compost generated and produced / manufactured by the CCP for sale in territories determined by the **Zuari Agro Chemicals Limited**.

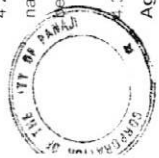
4.2 Material will be sold by the **Zuari Agro Chemicals Limited** in the brand name owned by the **Zuari Agro Chemicals Limited**. (In which case CCP shall be identified as the producer / manufacturer).

4.3 The CCP will supply the produced / manufactured Compost to the **Zuari Agro Chemicals Limited**.

5. Obligations of the Parties

5.1 The parties shall discharge obligations as under:

- 1) Responsibilities of the CCP:
 - a) Production / manufacture and Supply of Compost from Municipal Solid Waste to the **Zuari Agro Chemicals Limited**.
 - b) Review of infrastructure and machinery available at Compost production location to ensure that adequate infrastructure and machinery is available for processing the waste supplied.
 - c) To set up a review and monitoring mechanism for ensuring the following:
 - i) That the compost produced is FCO compliant.
 - ii) Any other issues related to implementation of obligations under this agreement.



Annexure 4.34.5: Confirmation by CCP for the receipt of 20,000 dust bins to distribute

 **CORPORATION OF THE CITY OF PANAJI**
 Panaji - Goa 403 001 INDIA
 Tel: (91-832) 222 3339, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2428998
 E-mail: commissioner@ccpgoa.com | Web: www.ccpgoa.com
 Ref: CCP/MC/008 /2016 -17/ 1764 Date: 13.04.2016.

To,
 The Member Secretary,
 Goa State Urban Development Agency,
 Shamsnakti Bhavan,
 EDC Patto, Plaza,
 Panaji Goa.

Sub: Supply of Dust Bins to the Corporation of the City of Panaji.
Ref: Our letter No.CCP/Mayor/84/14-15/3097 Dated 08/10/2014.

Sir,

The Corporation had requested for providing dustbins as per the above reference letter. The bins received till date are as under.

1. 10 litre Black Colour bin - 10000 nos
2. 10 litre Green Colour bin - 4000 nos
3. 20 litre Black Colour bin - 5000 nos
4. 20 litre Green Colour bin - 2300 nos

It is to bring to your notice that vide above reference letter, the requested bins by the Corporation of 20 litre capacity (**Black Colour**) were 10000 nos. In view of the above delivery of **20 litre Green Colour** bin, the supplier may be informed to provide **Black Colour** bins of **20 litre** capacity instead of Green Colour bins supplied to the Corporation. The delivered quantity of 20 litre Green Colour bin may also be substituted with 20 litre Black Colour bin.

It is further requested to inform the supplier to provide the balance quantity of **10 litre Green Colour** bins (5000 nos) at the earliest, so that the distribution of the received quantities can be undertaken by the Corporation.

Yours faithfully,

(Sanjit Rodrigues)
 Commissioner

Encl: Copy of letter No CCP/Mayor/84/14-15/3097 Dated 08/10/2014.

CORPORATION OF THE CITY OF PANAJI
 Tel: (91-832) 222 3339, 242 2736, 242 3556, 223 7160 | Fax: (91-832) 2428998
 E-mail: commissioner@ccpgoa.com | Web: www.ccpgoa.com

No.CCP/Mayor/84 /14 -15/3097
 Dated: 08.10.2014
 Surendra Furtado
 Mayor

To
 Shri Francis D' Souza
 Chairman,
 Goa State Urban Development Agency,
 Patto, Panaji-Goa.

Office of the Deputy Chief Minister
 Received: 08/10/14
 Date: 08/10/14

Sub: Supply of Dust Bins to the Corporation of the City of Panaji.

Sir,

In order to accelerate "Swachh Bharat Abhiyan" as envisaged by the Prime Minister of India, Shri Narendra Modi, the Corporation of the City of Panaji intend to supply dust bins to all the residents, hotels, restaurants and handicrafts so that no garbage is littered in the open in the city area.

I therefore request you to kindly supply dust bins as indicated below to the Corporation of the City of Panaji at the earliest through the Goa State Urban Development Agency:-

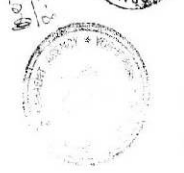
- 10 litres dust bins 10,000 nos. Green Colour
- 10 litres dust bins 10,000 nos. Black Colour
- 20 litres dust bins 10,000 nos. Black Colour

I shall be grateful for early action in the matter.

Thanking you.

Yours Sincerely,


 Surendra Furtado
 Mayor

08/10/14

 CORPORATION OF THE CITY OF PANAJI
 GOA

Copy to:-

1. The Member Secretary,
 Goa State Urban Development Agency,
 Patto, Panaji-Goa....for information and necessary action
2. The Commissioner, CCP, for information.

Annexure 4.34.6: Cost details of the procurement of 20,000 litterbins for Panaji city

GOA STATE URBAN DEVELOPMENT AGENCY
 (Registered under the Societies Registration Act, 1860, Reg.No.12/Goa/97)
 6th Floor, Shramashakti Bhavan, Patto-Plaza, Panaji-Goa 403 001.
 Phone: 2437210 / Fax No. : 2437094

GOA STATE URBAN DEVELOPMENT AGENCY
PANAJI GOA

F-43/3-40/GSUDA/W.O./16/2015-16/15/11 Dated: 07/01/2016.

To,
 M/s Sintex Industries Ltd.,
 T.C. No. 20/1148 (1), Karamana Junction,
 Trivandrum – 695 002.

Subject : Letter of acceptance of tender reg...
 Name of Work: "Procurement of Solid Waste Management material/equipments like bins etc under MSWM 2000 for various municipalities in the State of Goa – Phase II S.I.I. – Supply of 10 ltrs and 20 ltrs waste bins."

Ref: 1. Tender Notice No. F-43/3/GSUDA/E-TENDER/20/15-16/964(1) dated 15/09/2015.

Sir,
 Your Tender for the above work has been accepted at a quoted amount of **Rs. 97,46,500/-** (Rupees Ninety Seven lakhs Forty Six thousand Five hundred only) which is 3.222% below the estimated cost of Rs. 1,03,80,000/- (Rupees One Crore Forty Three lakhs Eighty Thousand only) put to tender.

You are requested to submit the Performance Guarantee of **Rs. 4,87,325/-** (Rupees Four lakhs Eighty Seven thousand Three hundred Twenty Five only) within 10 days of issue of this letter. The Performance Guarantee shall be in the prescribed form as provided in Clause 1 of the General Conditions of the contract for CPWD Works and shall be valid up to the completion period of the said project.

On receipt of the performance guarantee necessary letter to commence the work shall be issued and the place of delivery of material shall be shown to you thereafter.

Please note that the time for carrying out the work as entered in the tender (90 days including monsoon) shall be reckoned from the date of issue of this letter or the letter of Commencement of work.

Yours faithfully,
 (ELVIS GOMES) / 116
 Member Secretary (GSUDA)



11-1-2016
 Copy
 1. The Director of Municipal Administration, Panaji
 2. The Labour Commissioner, Panaji
 3. The Income-tax Officer, Panaji
 4. Technical Section, GSUDA.
 5. The Work Order file F-43 (Accounts)
 6. The Concerned file
 7. The Guard file

Name of work :- Procurement of solid waste management material/equipments like bins etc under MSWM 2000 for various municipalities in the State of Goa. PhaseII Sub Head: 10ltrs waste bins and 20ltrs waste bins

Sr. No.	Description	Green colour	Black colour	Total qty	Rate	Amount
01	Supply of 10ltrs capacity bins of approved quality in green & black colour made from HDPE virgin plastic from blow mold process with lid and handle in Green & black colour for segregation of waste collection. Corporation of City of Panaji	10000.00	10000.00	20000.00	103.00	2060000.00
02	Supply of 20ltrs capacity bins of approved quality in green & black colour made from HDPE virgin plastic from blow mold process with lid and two side handle for segregation of waste collection. Corporation of City of Panaji	5000.00	5000.00	10000.00	197.00	1970000.00



Annexure 4.35.1: Support letters by Goa State Infrastructure Development Corporation Ltd. for **People's Biodiversity Register**, Renovation of **Old Govt. Secretariat Building**



Ref. No. : GSIDC/SMD/Smart City/Engg/1136/ 177

13th April 2016

To,
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi - 110 001.

Sir,

Sub. : In-Principle Approval for the Development of People's Biodiversity Register (PBR) for City of Panaji.

In the 4th State Level High Powered Steering Committee (SHPSC) held on 27th November 2015 under the Chairmanship of Chief Secretary at Secretariat, Porvorim and 1st Biodiversity Management Committee (BMC) held on 18th January 2016 under the Chairmanship of Hon. Mayor, Corporation of the City of Panaji, SHPSC and BMC have accorded approval for hiring the agency to prepare of People's Biodiversity Register (PBR) for the City of Panaji through Goa State Infrastructure Development Corporation Ltd.,(GSIDC) after following codal formalities.

It was also suggested that Charles Correa Foundation (CCF), Botanical Society of Goa (BSG), World Wildlife Foundation (WWF), Birds of Goa (BoG) and Globe Shapers, Goa will be incorporated as knowledge partners and the requisite funds for this process will be tapped through the Goa State Biodiversity Board, for the development of PBR. This will support the greater Bio-diversity initiatives of the Panaji Smart City Proposal.

Thanking you,

Yours sincerely,

(Sanjit Rodrigues)
Managing Director

Annexure 4.35.2: Financial sanction for Renovation of Old Govt. Secretariat Building

MEMORANDUM FOR THE GOVERNMENT OF INDIA
 FEBRUARY 2014 FOR THE WORK OF SECRETARIAT ON BEHALF OF
 GOVERNMENT SECRETARIAT BUILDING AUTHORITY, OLD GOVT. SECRETARIAT
 A CENTRE OF ART & CULTURE - APPROPRIATE FOR MUSEUM OF
 ONTOLOGY WORKS

MEMBERS PRESENT

EXPENDITURE FINANCE COMMITTEE

1. Shri B. V. Vaidya, Chief Secretary
2. Shri P. Krishnamoorthy, Secretary (Finance)
3. Shri Michael D'Souza, Joint Secretary (Finance)

CHIEF, DIRECTORATE OF ART AND CULTURE

4. Shri Prasad Lokeshkar

GENERAL SUPERSTRUCTURE DEVELOPMENT ORGANIZATION

5. Shri Sanjit Reddy, Managing Director
6. Shri Subhash Naga, Chief General Manager
7. Shri Deep S. Joshi, Manager (In-charge)

It was explained to the Expenditure Finance Committee (EFC) that a Selection Committee was constituted with the prior approval of Hon'ble Chief Minister to select a Museumist to convert the Old Secretariat Building, Delhi into a Centre of Art & Culture, as envisaged.

It was explained to the Museumist that an Expression of Interest was invited for appointment of a Museumist. The Museumist was informed that an Expression of Interest was invited for appointment of a Museumist. The Museumist was informed that an Expression of Interest was invited for appointment of a Museumist. The Museumist was informed that an Expression of Interest was invited for appointment of a Museumist.

It was further informed that an Expression of Interest was invited for appointment of a Museumist. The Museumist was informed that an Expression of Interest was invited for appointment of a Museumist. The Museumist was informed that an Expression of Interest was invited for appointment of a Museumist.

It was further informed that an Expression of Interest was invited for appointment of a Museumist. The Museumist was informed that an Expression of Interest was invited for appointment of a Museumist. The Museumist was informed that an Expression of Interest was invited for appointment of a Museumist.

1. Mrs. Chandra Prasad Jadhav (PPM) Chairman

2. Mr. N. Srinivas Reddy, Member

3. Mr. Lakshmi Narayan, Member

4. Mr. Lakshmi Narayan, Member

5. Mr. Lakshmi Narayan, Member

6. Mr. Lakshmi Narayan, Member

7. Mr. Lakshmi Narayan, Member

8. Mr. Lakshmi Narayan, Member

9. Mr. Lakshmi Narayan, Member

10. Mr. Lakshmi Narayan, Member

11. Mr. Lakshmi Narayan, Member

12. Mr. Lakshmi Narayan, Member

13. Mr. Lakshmi Narayan, Member

14. Mr. Lakshmi Narayan, Member

15. Mr. Lakshmi Narayan, Member

16. Mr. Lakshmi Narayan, Member

17. Mr. Lakshmi Narayan, Member

18. Mr. Lakshmi Narayan, Member

19. Mr. Lakshmi Narayan, Member

20. Mr. Lakshmi Narayan, Member

21. Mr. Lakshmi Narayan, Member

22. Mr. Lakshmi Narayan, Member

23. Mr. Lakshmi Narayan, Member

24. Mr. Lakshmi Narayan, Member

25. Mr. Lakshmi Narayan, Member

26. Mr. Lakshmi Narayan, Member

27. Mr. Lakshmi Narayan, Member

28. Mr. Lakshmi Narayan, Member

29. Mr. Lakshmi Narayan, Member

30. Mr. Lakshmi Narayan, Member

31. Mr. Lakshmi Narayan, Member

32. Mr. Lakshmi Narayan, Member

33. Mr. Lakshmi Narayan, Member

34. Mr. Lakshmi Narayan, Member

35. Mr. Lakshmi Narayan, Member

36. Mr. Lakshmi Narayan, Member

37. Mr. Lakshmi Narayan, Member

38. Mr. Lakshmi Narayan, Member

39. Mr. Lakshmi Narayan, Member

40. Mr. Lakshmi Narayan, Member

41. Mr. Lakshmi Narayan, Member

42. Mr. Lakshmi Narayan, Member

43. Mr. Lakshmi Narayan, Member

44. Mr. Lakshmi Narayan, Member

45. Mr. Lakshmi Narayan, Member

46. Mr. Lakshmi Narayan, Member

47. Mr. Lakshmi Narayan, Member

48. Mr. Lakshmi Narayan, Member

49. Mr. Lakshmi Narayan, Member

50. Mr. Lakshmi Narayan, Member

51. Mr. Lakshmi Narayan, Member

52. Mr. Lakshmi Narayan, Member

53. Mr. Lakshmi Narayan, Member

54. Mr. Lakshmi Narayan, Member

55. Mr. Lakshmi Narayan, Member

56. Mr. Lakshmi Narayan, Member

57. Mr. Lakshmi Narayan, Member

58. Mr. Lakshmi Narayan, Member

59. Mr. Lakshmi Narayan, Member

60. Mr. Lakshmi Narayan, Member

61. Mr. Lakshmi Narayan, Member

62. Mr. Lakshmi Narayan, Member

63. Mr. Lakshmi Narayan, Member

64. Mr. Lakshmi Narayan, Member

65. Mr. Lakshmi Narayan, Member

66. Mr. Lakshmi Narayan, Member

67. Mr. Lakshmi Narayan, Member

68. Mr. Lakshmi Narayan, Member

69. Mr. Lakshmi Narayan, Member

70. Mr. Lakshmi Narayan, Member

71. Mr. Lakshmi Narayan, Member

72. Mr. Lakshmi Narayan, Member

73. Mr. Lakshmi Narayan, Member

74. Mr. Lakshmi Narayan, Member

75. Mr. Lakshmi Narayan, Member

76. Mr. Lakshmi Narayan, Member

77. Mr. Lakshmi Narayan, Member

78. Mr. Lakshmi Narayan, Member

79. Mr. Lakshmi Narayan, Member

80. Mr. Lakshmi Narayan, Member

81. Mr. Lakshmi Narayan, Member

82. Mr. Lakshmi Narayan, Member

83. Mr. Lakshmi Narayan, Member

84. Mr. Lakshmi Narayan, Member

85. Mr. Lakshmi Narayan, Member

86. Mr. Lakshmi Narayan, Member

87. Mr. Lakshmi Narayan, Member

88. Mr. Lakshmi Narayan, Member

89. Mr. Lakshmi Narayan, Member

90. Mr. Lakshmi Narayan, Member

91. Mr. Lakshmi Narayan, Member

92. Mr. Lakshmi Narayan, Member

93. Mr. Lakshmi Narayan, Member

94. Mr. Lakshmi Narayan, Member

95. Mr. Lakshmi Narayan, Member

96. Mr. Lakshmi Narayan, Member

97. Mr. Lakshmi Narayan, Member

98. Mr. Lakshmi Narayan, Member

99. Mr. Lakshmi Narayan, Member

100. Mr. Lakshmi Narayan, Member

Annexure 4.36: Public notice from the Petroleum and Natural Gas Regulatory Board Notifying North Goa in CGD bidding (CNG/PNG)



Petroleum and Natural Gas Regulatory Board
1st Floor, World Trade Centre, Babar Road, New Delhi -110001
Tel No: 23457700, Fax No: 23709151

No. PNGRB/CGD/BID/6/2015-PRE BID

पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड

Petroleum and Natural Gas Regulatory Board

प्रथम-तल, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नयी दिल्ली: 110001

1st Floor, World Trade Centre, Babar Road, New Delhi - 110001

7th November 2015

07th December 2015

Public Notice No: PNGRB/CGD/BID/6/2015-1/B

Further to the Public Notice No: PNGRB/CGD/BID/6/2015-1 dated 13th October 2015 notifying 6th round of CGD bidding for 34 Geographical Areas (GAs), as requested by several entities and in view of the amendments approved by the Board, it has been decided to extend bid submission date by one month under the provisions of Regulation 5(8) of the PNGRB (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008. Accordingly, following is the revised bid schedule.

Last Date of Bid Issuance: 8th January 2016 up to 1500 hrs.
Bid Closing Date & Time: 15th January 2016 up to 1200 hrs.

Further, Part I - Technical Bid Opening Date & Time for each GA is as under:

15.01.2016 at 1430 Hrs.

1. Dhar
2. Dahod
3. Ahmednagar
4. Bamsakantha
5. Saharanpur

18.01.2016 at 1100 Hrs.

1. Raebareli
2. Mainpuri
3. Ramabai Nagar
4. Chitradurga
5. Bhiwani

19.01.2016 at 1100 Hrs.

1. Ranagiri
2. Anneli
3. Bhatinda
4. Auraiya
5. Patan

20.01.2016 at 1100 Hrs.

1. Baghat
2. Etawah
3. Yamunanagar
4. Shahdol
5. Gadag

21.01.2016 at 1100 Hrs.

1. Jhabua
2. Nainital
3. Rewari
4. North Goa
5. Datta

22.01.2016 at 1100 Hrs.

1. Ruppnagar
2. Fatehgarh Sahib
3. Dabhej-Vagra Taluka
4. Amethi
5. Ahmedabad (Excluding the area already authorized)

25.01.2016 at 1100 Hrs.

1. Anand (Excluding the area already authorized)
2. Panchmahal
3. Rewa
4. Rohtak

To

All Prospective Bidders

Subject: Addendum/Clarifications w.r.t. 6th round CGD bidding

Sir,

Further to the Pre-Bid meeting held on 16th November 2015 and submissions made by various entities related to the issues concerning 6th round CGD bidding, amendments have been made in the PNGRB (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008. A copy of the approved PNGRB (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Amendment Regulations, 2015 is enclosed as Annex-I for your reference.

2. Based upon the queries raised by the prospective bidders, addendum/clarifications in the Application-Cum-Bid- Document are enclosed herewith as Annex-II. These addendum/clarifications shall constitute a part of respective Application-Cum-Bid- Document and shall be duly signed and submitted along with the bid document by the authorized signatory of the entity.

Yours faithfully,

(Arvind Kumar)
Additional Adviser

Encl: As above

Secretary

Annexure 4.37.1: Letter of Goa State Mission Directorate – AMRUT and Smart City to confirm the **projects would be implemented on PPP model**



STATE MISSION DIRECTORATE - AMRUT & SMART CITY
GOVERNMENT OF GOA

Ref. No. : GSIDC/SMD/Smart City/Engg/1136/171

13th April 2016

To
✓ **The Secretary,**
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi - 110 001.

Sir,

Sub. : Smart Environmental Services and Smart Transportation and Eco-Mobility initiatives of the Corporation of the City of Panaji on a Public Private Partnership basis.

With reference to the submission of Revised Smart City Proposal, Panaji on Fast Track Mode, the Corporation of the City of Panaji is undertaking City wide and state of the art Smart Environmental Services and Smart Transportation/ Eco-Mobility initiatives as part of the Smart City proposal.

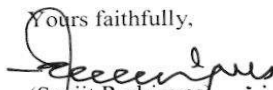
Subsequent to feasibility studies and due diligence; State Mission Directorate/State Level Nodal Agency is pleased to confirm that it would support and facilitate the successful implementation of the following initiatives on a Public Private Partnership basis.

- (i) Integrated Solid Waste Management Facility at Bainguinim a regional facility to benefit both Panaji and the Agglomeration areas.
- (ii) Promotion of IT enabled public transportation facilities including buses, ferry, Public bikes with intelligent command and control centres.

In view of above, it is kindly requested for funding of 'Smart and ICT enabled components' of these initiatives under the Smart Cities Mission.

Thanking you,

Yours faithfully,


(Sanjit Rodrigues)
Mission Director

Annexure 4.37.2: Consideration of **Beautification and Pedestrianization of Café Bhosale Square under Urban Transport of AMRUT**



STATE MISSION DIRECTORATE - AMRUT & SMART CITY
GOVERNMENT OF GOA

Ref. No. : GSIDC/SMD/Smart City/Engg/ 1136/ 178

13 April 2016

To
The Secretary,
Ministry of Urban Development,
Nirman Bhawan,
Maulana Azad Road,
New Delhi 110 001.

Sir,

Sub. : In-Principle Approval for the involvement and support in implementation of Projects under AMRUT for the Panaji's Revised Smart City Proposal.

With reference to the submission of Revised Smart City Proposal, Panaji on Fast Track Mode, Goa State Annual Action Plan (SAAP) for the Financial Year (F.Y.) 2015 - 16 has been approved at the 7th Meeting of Apex Committee under the Atal Mission Rejuvenation and Urban Transformation (AMRUT) on 23rd February 2016. The SAAP is formed by aggregation of SLIPs of various thrust area which includes Urban Transport, which covers 82% of the overall allocation where the "**Beautification and Pedestrianization of Cafe Bhosle Square**" project is expected to be covered under the Mission.



Subsequently, the Detailed Project Report (DPR) is under preparation and State Mission Directorate/State Level Nodal Agency is pleased to confirm that it would support and facilitate the successful implementation of the same.

Thanking you,


Yours sincerely,



(Sanjit Rodrigues)
Mission Director

Annexure 4.38.1: Expression of Interest to implement **Public Bicycle Sharing initiative** on Public Private Partnership model

<p> CHARTERED SPEED PVT. LTD.</p> <p>Sarkhej-Bavla Highway, Sanathal, Sarkhej, Ahmedabad-382 210. Phone : +91 79 31209200 E-mail : info@chartered-speed.com www.chartered-speed.com CIN : U63030GJ2007PTC050923</p> <p>Secretary Ministry of Urban Development Government of India</p> <p>Sub: Regarding Implementation of Public Bike share initiative on Public Private Partnership (PPP) in Panaji City</p> <p>Dear Sir,</p> <p>Consequent to on-going discussion with the Corporation of the City of Panaji (CCP), we are glad to express our interest to develop a PPP based Public Bike share initiative. We understand that preliminary studies have been completed and details furnished to us are as follows;</p> <p>(1) Details of the PBS system proposed:</p> <ul style="list-style-type: none"> • Fully automated PBS System • Stations spread across the 8.12sqkm area of the City with at least one station every 250m in the city • Higher Station density in the Central Business District (Central Panjim), Panjim Market and St. Inez area than the rest of the City • No of Cycles: 1044 Cycles • No. of cycle stations: 66 stations (with 1560 Docks) <p>(2) Smart Docking System:</p> <ul style="list-style-type: none"> • Docks themselves are designed to lock and unlock each cycle, rather than the terminal handling this function • Card holders able to check out cycles at docks without use of terminals • Indicates Bicycle availability for use and if properly locked when returned (it is recommended that the Panaji PBS system use Individual Docking units at all stations except for the large stations where Cycle Parking areas are recommended) <p>(3) Control Centre:</p> <ul style="list-style-type: none"> • Real time monitoring, enabling the operator to track the availability of cycles at every station • Data gathered can also be used to make long term planning decisions <p>(4) Software System:</p> <ul style="list-style-type: none"> • Software to support station monitoring, redistribution of bicycles, defect and maintenance issues, billing, and customer data • Authorisation device on the docking station connected to the central control room through the IT system 	<p> CHARTERED SPEED PVT. LTD.</p> <p>Sarkhej-Bavla Highway, Sanathal, Sarkhej, Ahmedabad-382 210. Phone : +91 79 31209200 E-mail : info@chartered-speed.com www.chartered-speed.com CIN : U63030GJ2007PTC050923</p> <p>(5) Smart Cards:</p> <ul style="list-style-type: none"> • Equipped with RFID technology, making it easy for the system to track the exact user • The docking stations/ parking areas are equipped with smart card readers which lets the user unlock the cycle using the card (It is recommended that the operator and CCP in Panaji ensure that the payment system can handle not just card transactions but also cash transactions) <p>(6) Website + Mobile Phone App: Enabling software to manage the interactions of the system with its users.</p> <p>We will however develop a PPP based model based on real time condition as and when we are requested to do so.</p> <p>Regards FOR, CHARTERED SPEED PVT. LTD. <i>Pankaj</i> Pankaj MANAGING DIRECTOR Managing Director</p> <p>Copy to: Commissioner, Corporation of The City of Panaji</p>
---	--

Annexure 4.38.2: Expression of Interest to implement Public Bicycle Sharing initiative on Public Private Partnership model





7-12-2015

To,
The Secretary
Ministry of Urban Development
Government of India

Sub: Regarding Implementation of Public Bike share initiative on Public Private Partnership (PPP) in Panaji City

Dear Sir,

Consequent to on-going discussion with the Corporation of the City of Panaji (CCP), we are glad to express our interest to develop a PPP based Public Bike share initiative. We understand that preliminary studies have been completed and details furnished to us are as follows;

(1) Details of the PBS system proposed:

- Fully automated PBS System
- Stations spread across the 8.12sqkm area of the City with at least one station every 250m in the city
- Higher Station density in the Central Business District (Central Panjim), Panjim Market and St. Inez area than the rest of the City
- No. of Cycles: 1044 Cycles
- No. of cycle stations: 66 stations (with 1560 Docks)

(2) Smart Docking System:

- Docks themselves are designed to lock and unlock each cycle, rather than the terminal handling this function
- Card holders able to check out cycles at docks without use of terminals
- Indicates Bicycle availability for use and if properly locked when returned (it is recommended that the Panaji PBS system use Individual Docking units at all stations except for the large stations where Cycle Parking areas are recommended)


(3) Control Centre:


- Real time monitoring, enabling the operator to track the availability of cycles at every station
- Data gathered can also be used to make long term planning decisions

(4) Software System:

- Software to support station monitoring, redistribution of bicycles, defect and maintenance issues, billing, and customer data
- Authorisation device on the docking station connected to the central control room through the IT system

Parxsys Mobit Systems Pvt. Ltd.
No. 39, (8/10), N.S. Palya Main Road, 1st Cross, Rastra Kavi Kuvempu Nagara,
B.T.M. Layout, 2nd Stage, Bannerghatta Road, Bangalore - 560076





(5) Smart Cards:

- Equipped with RFID technology, making it easy for the system to track the exact user
- The docking stations/ parking areas are equipped with smart card readers which lets the user unlock the cycle using the card (It is recommended that the operator and CCP in Panaji ensure that the payment system can handle not just card transactions but also cash transactions)


(6) Website + Mobile Phone App: Enabling software to manage the interactions of the system with its users.


We are India's first and only completely automated bicycle sharing system manufacturer and operate bicycle sharing systems in 8 private campuses and Bangalore Metro Stations. We have exclusively partnered with Hero Cycles Ltd. - the world's largest bicycle manufacturer for implementing Public Bicycle Sharing Systems. We and Hero Cycles Ltd. are very keen to make this vision of Corporation of The City of Panaji of deploying an automated PBS a reality

This letter is to express our and Hero Cycles Ltd's interest in developing a PPP model based on viability gap funding and to express our keen interest to participate in the implementation procedure based on real time condition as and when we are requested to do so for the above infrastructure.

Thanking You

Yours sincerely,





Syed Haseeb Arifath
Co-Founder, Chairman and Managing Director,
ParXsys Mobit Systems Pvt. Ltd.
(Formerly Kerberon Automations Pvt. Ltd.)

Copy to: Commissioner, Corporation of The City of Panaji

Parxsys Mobit Systems Pvt. Ltd.
No. 39, (8/10), N.S. Palya Main Road, 1st Cross, Rastra Kavi Kuvempu Nagara,
B.T.M. Layout, 2nd Stage, Bannerghatta Road, Bangalore - 560076

Annexure 4.39: Support and Expression of interest to participate in Solid Waste Management activities and to organize Cultural events on Public Private Partnership model at the areas developed under Panaji Smart City Proposal



FOUNDATION

Reg No. 672/GOA/2014

362, Kamat Estate, Tonca, Caranzalem, Panaji - Goa 403 001 | www.wastewiseindia.com | richardingoa@gmail.com | +91 9764447491

10th Dec, 2015

The Secretary
Ministry of Urban Development
NirmanBhawan
Maulana Azad Road
New Delhi 110011

Subject: Regarding Support to the Panaji Smart City - Special Purpose Vehicle (SPV)

Dear Sir,

This is to communicate that Waste Wise Foundation is aware about the Smart City Proposal of Panaji (Corporation of City of Panaji).

We hereby declare to share our expertise and experience on Solid waste management activities, specifically focusing on management of community based waste management systems and related IEC activities to the proposed Special Purpose Vehicle (SPV) which is to be formed for implementation of Area-based and Pan City interventions included in the Panaji Smart City proposal.



Signature & Stamp

President
Waste Wise Foundation

Copy to: Commissioner, Corporation of The City of Panaji



Loyola House, Block L, Landscape City, Chogm Rd., Porvorim, Goa 403 521. Phone: +91 0832 2411875
Email: finance@radioactiventertainment.com | www.radioactiventertainment.com | Dec, 2015

The Secretary
Ministry of Urban Development
NirmanBhawan
Maulana Azad Road
New Delhi 110011

Subject: Regarding willingness to organize cultural events on PPP mode under Panaji Smart City

Dear Sir,

This is to communicate that **RADIOACTIV ENTERTAINMENT** is aware about the Smart City Proposal of Panaji (Corporation of City of Panaji).

We are interested to organize cultural events for tourists and citizens on Public Private Partnership mode (or any such mode) at the areas developed under Panaji Smart City Proposal as per the applicable guidelines declared by statutory government departments.



Regards
Radioactiv Entertainment

Copy to: Commissioner, Corporation of The City of Panaji

Annexure 4.40 - Abbreviations

SCP	Smart City Proposal
MoUD	Ministry of Urban Development
ABD	Area Based Development
ITS	Intelligent Transport System
CAPEX	Capital Expenditure
OPEX	Operational Expenditure
PBR	Peoples Biodiversity Register
NMT	Non-Motorized Transport
NRW	Non-Revenue Water
WTP	Water Treatment Plant
MLD	Million Litres Per Day
CDP	City Development Plan
ATC	Aggregate Technical and Commercial Losses
SAIFI	System Average Interruption Frequency Index
SAIDI	System Average Interruption Duration Index
ESCO	Energy Service Company
DPR	Detailed Project Report
CRIS	Climate Resilience Infrastructure System
CAA	Constitutional Amendment Act
FAR	Floor Area Ratio
CCP	Corporation of The City of Panaji
FSI	Floor Space Index
ODP	Outward Development Plan
NGO	Non-Government Organization
TDR	Transfer of Development Rights
FGD	Focus Group Discussion
SCADA	Supervisory Control and Data Observatory
GIS	Geographic Information System
DU	Dwelling Unit
GSUDA	Goa State Urban Development Agency
SLPMU	State Level Project Monitoring Units
DRC	State Level Distribution Reforms Committee (DRC)
DEC	District Electricity Committee (DEC)
PWD	Public Works Department
WRD	Water Resource Department
KTC	Kadamba Transport Corporation Ltd.
GCACSD	Goa Centre Art Culture & Skill Development
GSIDC	Goa State Infrastructure Development Corporation
PMU	Project Management Unit
SPV	Special Purpose Vehicle
BaU	Business as Usual
CCF	Charles Correa Foundation
PPP	Public Private Partnership
CSR	Corporate Social Responsibility
EWS	Economic Weaker Section
LIG	Low Income Group

BOD	Biochemical Oxygen Demand
GHG	Greenhouse Gas
IUWM	Integrated Urban Water Management
ICT	Information, Communication and Technology
ISWM	Integrated Solid Waste Management
RFID	Radio Frequency Identification
GPS	Global Positioning System
GPRS	General packet Radio Service
PLC	Programmable Logic Controller
EMV	Europay MasterCard Visa
PBS	Public Bicycle Sharing
IEC	Information, Education and Communication
BCC	Behaviour Change Communication
BRT	Bus Rapid Transit
NGPDA	North Goa Planning & Development Authority
PCB	Pollution Control Board
DAC	Directorate of Art & Culture
SBB	State Biodiversity Board
DSTE	Department of Science Technology & Environment
ADB	Asian Development Bank
JICA	Japan International Cooperation Agency
USTDA	U.S. Trade and Development Agency
AFD	French Development Agency
DFID	United Kingdom Department for International Development
UNIDO	United Nation Industrial Development Organization
IPL	Imagine Panaji Ltd.