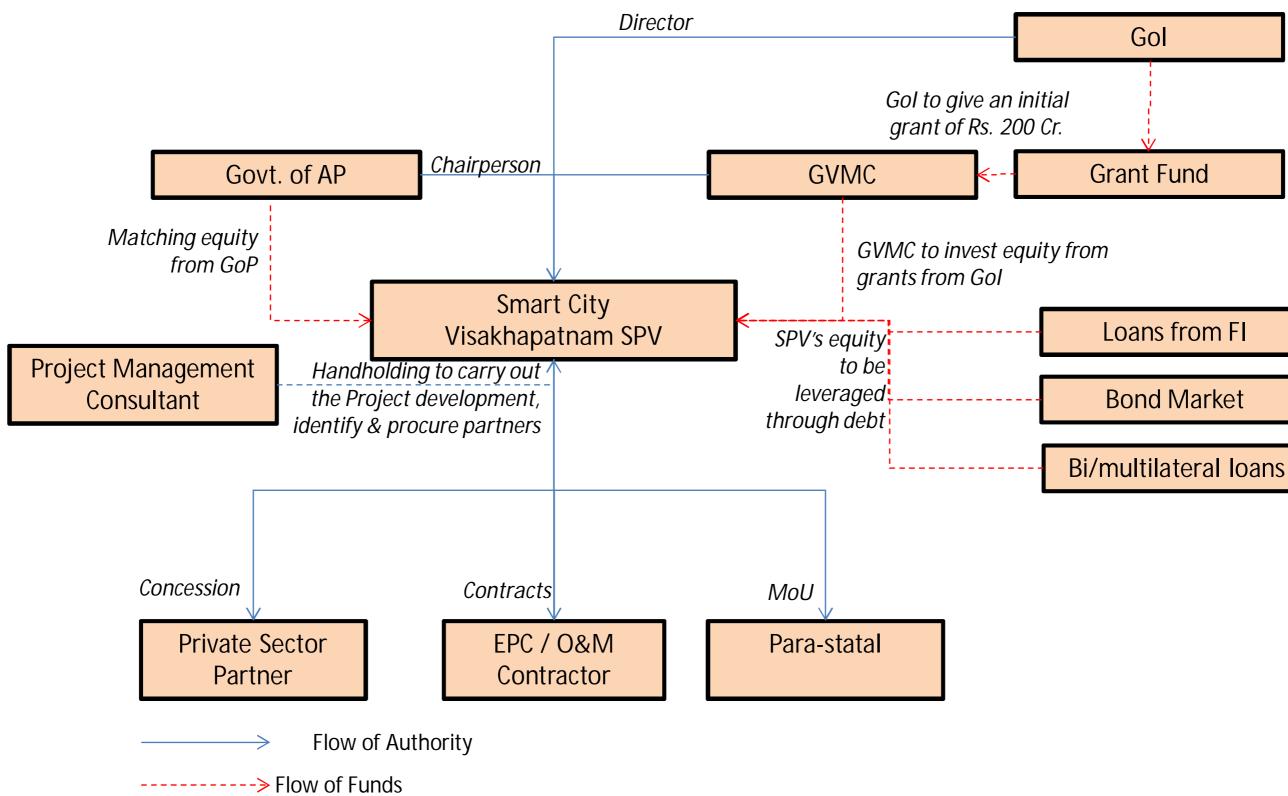
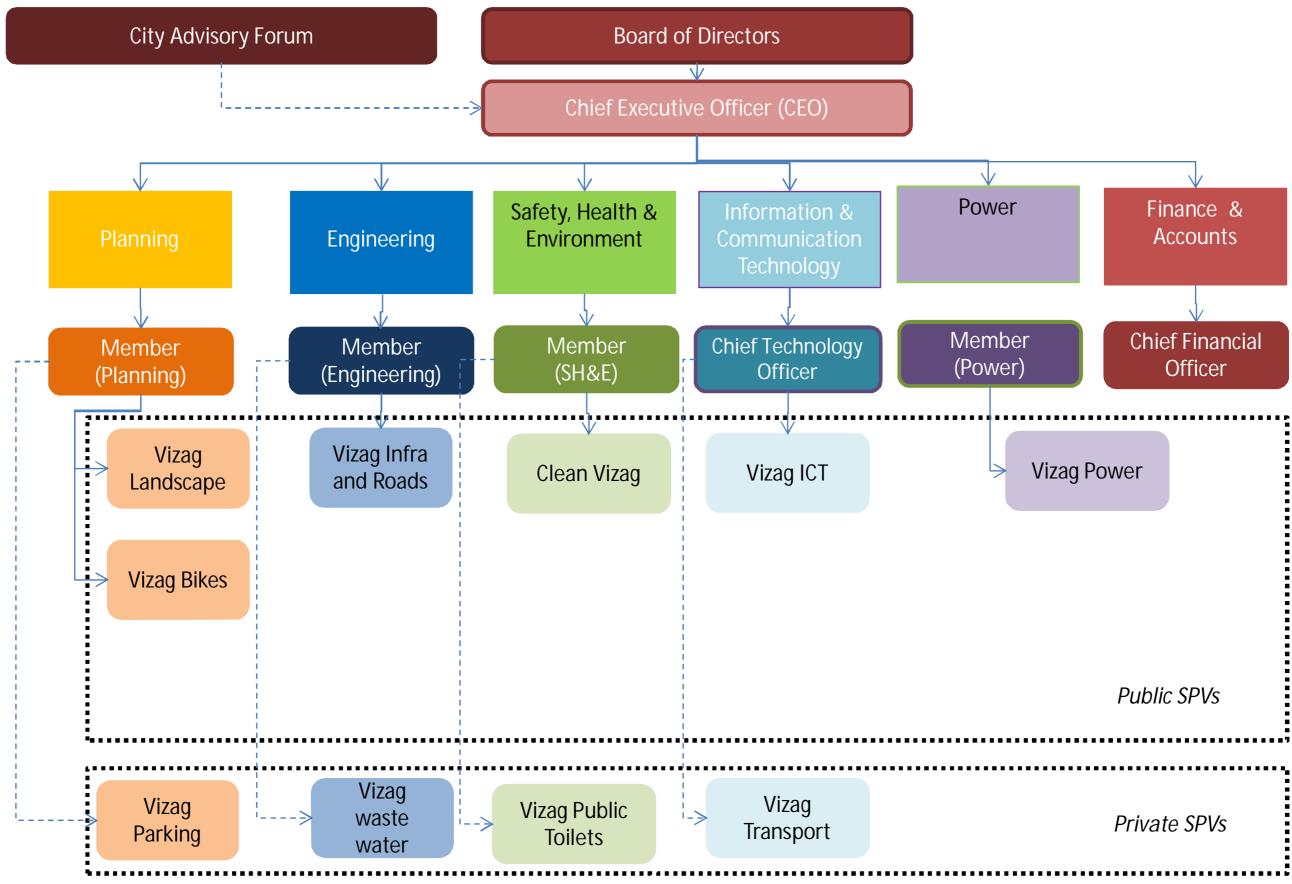
Feature	C	H Self-assessment	Basis for assessment and/or quantitative indicator (Optional - only if data exists)	J Projection of 'where the city wants	Input/Initiative that would move the city from its current status to Advanced status (Scenario 4: Column G)
reature		for the full city with regard to each feature		to be' with regard to the feature/indicator based on the city vision and strategic blueprint	
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)	2	GVMC is the first ULB to incorporate E-Governance . Dedicated Grievance Redressal Cell with toll-free numbers to receive complaints from citizens. Information and progress related to infrastructure disclosed on GVMC website from time to time. However, public grievances and feedback needs to be on a continuous process to develop a database for better deliverability. (CDP 2015, Cl. 14.1.4)	3&4	 Upgrading the existing GVMC website as a central portal for public outreach, grievance redressal and for providing city serv while linking it to websites of other related departments, city database and social media. Online kiosks at public places set up for Smart City Citizen Consultation to be retained for future use to ensure maximum puparticipation.
Identity and culture	A Smart City has a unique identity, which distinguishes it from all other cities, based on some key aspect: its location or climate; its leading industry, its cultural heritage, its local culture or cuisine, or other factors. This identity allows 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)	2	 Vizag has the potential to emerge as one of the top 5 tourism destinations in India leveraging its natural, business and heritage sites. However, the city needs to plan for suitable tourism models. CDP recognizes low imagability as a constraint. City Beautification and Public Art drive are some ongoing initiatives undertaken to create an identity for Vizag. (CDP 2015 Sec-1, Cl. 4.8.1) 	4	 Capitalizing on existing tourist features and local destinations like RK Beach, VUDA park etc. in ABD to enhance resident ar visitor experiences by improving the visual quality of these spaces. Creating an image for Vizag- Celebrating the waterfront and hillocks as an important resource by striving for a safer, cleane greener environment.
Economy and employment	A smart city has a robust and resilient economic base and growth strategy that creates large-scale employment and increases opportunities for the majority of its citizens. (Guideline 2.6 & 3.1.7 & 6.2)	2	 Visakhapatnam is fifth-fastest growing "Industrial Metropolis" in the Asian subcontinent. WFPR more than 35% which is dominated by Tertiary sector employment. It recommended diversifying the employment base to stay competitive & create more IT/ITES related jobs for residents. (CDP 2015, Cl. 6.1.1) 	4	Tapping on to Tourism potential through Beach Restoration in ABD. Livelihood restoration by creating dedicated hawker zones for street side vendors in ABD. Technology interventions to prompt innovation, thereby generating higher skilled jobs and attracting bigger technology firminvest in Vizag. Capacity Building for Disaster Management will aid in creating new jobs.
Education	A Smart City offers schooling and educational opportunities for all children in the city (Guideline 2.5.10)	1	 Shortage in Schools- total number of schools in GVMC area are 619 as against 1400 (URDPFI guidelines). (CDP 2015, Cl. 8.2) More facilities required in existing school – parks, IT facilities, Computer education, science lab. (Focus Group Discssions) 	4	Upgradation of existing GVMC schools- setting up E-libraries in ABD. Vocational education to equip citizens with functional skills in slums etc. (CDP 2015 goal, Cl. 18.7.1) Development of school infrastructure-hostel facilities, schools for specially abled children and Anganwadi. (CDP 2015 goal, 18.8.1)
Health	A Smart City provides access to healthcare for all its citizens. (Guideline 2.5.10)	1	Governments run hospitals: 2, Private Hospitals: 3, GVMC funded UHCs - 11 (GVMC Area), Govtfunded UHCs - 5 (run by NGOs), Anakapalli Zone: 5 dispensaries, 2 nursing homes, Bheemili Zone: 4 dispensaries, 2 nursing homes. Health care facility is reasonably available to most of the citizens. However, infrastructure is grossly inadequate- manpower shortage. (Focus Group Discssions) City being prone to industrial and natural calamities lag paramedical response facilities and specialized medical infrastructure. (CDP 2015, Cl. 8.1)	4	 Development of new and upgradation of existing health infrastructure. (CDP 2015 goal, Cl. 18.8.1) Promoting a healthy lifestyle by providing dedicated/safe walking, cycling paths with increased number of active recreation spaces thereby moving people away from a sedentary lifestyle (ABD).
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)	2	 The Master Plan identifies Strip Mixed Use along major roads. (MA&UD Dept, AP, 2013) CDP suggests TOD development in Anakapalli area Informally there is a trend of co-existence of different functions within the city fabric. 	4	 Dedicated Hawker zones in ABD to create an active street edge. Adopting TOD and mixed use strategies in CDP. (CDP 2015 goal, Cl. 19.13 & Cl. 18.6.2.c)
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)	2	 The city has denser pockets towards city center, outer areas is sparsely developed. There is ribbon development along the NH. CDP recognizes urban sprawl and poorly developed peripheral infrastructure as a weakness. (CDP 2015, Cl. 2.h) Last mile connectivity through Public transport is an issue. 	4	Promoting mixed-use neighborhoods with well-defined pedestrian and public transport environment in ABD.
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)	2	 With almost 43% of the city as green spaces, Vizag ironically lacks open spaces at the neighbourhood and community level. (CDP 2015 Sec-1, Cl. 2.8) Unprogrammed open spaces. (Focus Group Discssions) The full potential of recreational resources (especially beaches and forest areas) has remained untapped. (CDP 2015 Sec-1, Cl. 4.4) Vizag also lacks infrastructure to accomodate large scale public gatherings. (Tol Article, Mar 30, 2014 "Visakhapatnam has no space for public meetings") 	4	 Providing more parks, playgrounds and recreation spaces within walking distance in ABD Green buffer along the Beach Road can double as Linear City Park for recreation Upgrading VUDA park to provide world-class Sports facilities. Playgrounds shared between public/semi-public institutes and surrounding neighborhoods. App based mapping and information system for public parks and sports facilities in ABD. Up gradation of existing parks and development of new parks. (CDP 2015 goal, Cl. 18.8.2)
Housing and inclusiveness	A Smart City has sufficient housing for all income groups and promotes integration among social groups. (Guidelines 3.1.2)	1	 The present number of slums is estimated at 741 with about 38% of the population living in slums. (CDP 2015, Cl. 11.1) Dilapidated housing and lack of services and social infrastructure facilities. (CDP 2015, Cl. 11.1) 	3&4	Seeking convergeance with ongoing projects for Housing of Urban Poor under JnNURM, RAY and GVMC: Construction of 15,320 houses including Infrastructure under JnNURM. Slum housing- in situ and relocation- 5000 dwellings by GVMC Construction of NIght Shelters at 5 locations by GVMC. GVMC has established a RAY cell and slum mapping of the city is underway. (CDP 2015, Cl. 18.7.1 & Sec-1, Cl. 3.2)
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)	2	Total number of non-transport vehicles registered in Visakhapatnam is about 5.33 lakhs-: 2-wheelers (83%),cars (11.25%), 3-wheelers (5.81%), buses (0.18%). Rapid increase in 2-wheeler (11.2%) and 4-wheeler (8.1%) registration over the last decade. The city bus system is inefficient and does not operate to fringe areas (20% modal share). High dominance of diseal operated Auto-rickshaws (15% modal share). Issues of on-street parking, unsynchronized junctions (CDP 2015, Cl. 10.1)	4	Utilizing Centralized Monitoring System for Integrated Traffic Information System: real-time updates on traffic, bus / train routes, timing, bicycle availability at stations, parking locations etc. Limiting Vehicular speed to 30km/hr in ABD. CCTV surveillance for vehicular speed limit offenders. Signal Synchronization, dedicated bicycle lanes, pedestrian walkway & hawker zones in ABD. Bicycle Highway all along Beach Road (5th year of SCP for ABD) Regulation of IPT (E-rickshaws) in ABD. Multi-use Multi-level Car Parking at strategic locations with efficient Public Transport for last mile connectivity in ABD.
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)	2	 The city only has 78km of footpaths out of the total arterial road length of 430km. (CMP 2011-30, Cl. 5.3) Walking is difficult as footpaths are not continuous and encroached with trees, street lights, parking, manholes, property access, etc. No dedicated Non-Motorized Transport facilities. 	4	 Limiting Vehicular Speed 30km/hr in ABD. Creating Pedestrian Environment through Shared Streets, dedicated hawker zones, bicycle lanes, street furniture, public amenities at regular intervals etc.
IT connectivity	A Smart City has a robust internet network allowing high-speed connections to all offices and dwellings as desired. (Guideline 6.2)	2	 Reliance is laying down 4G infrastructure throughout the city & services are expected to roll out by 26th Dec 2015. 1Gbps high-speed Internet service launched for the Startup Village for the benefit of entrepreneurs. (The Hindu, July 7, 2015, "Vizag is now Wi-Fi enabled") 	4	 Leveraging the upcoming 4G infrastructure for robust IT Connectivity and Digitization in ABD Free Wi-Fi hotspots at government buildings, educational institutes and in public areas like RK Beach in ABD. Eg. QuadGen and BSNL in collaboration with GVMC to provide free Wi-Fi service upto 30 min in areas like RK Beach, Vuda Pa Kailasagiri. (The Hindu, July 7, 2015, "Vizag is now Wi-Fi enabled")
•	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)	2	GVMC is the first ULB to implement the E-Governance at ULB level. gymc.gov.in as a central portal to connect with citizens. Online Grievance Redresaal System along with toll-free number. Public disclosures made online on website. Providing ICT enabled services in most departments through Citizen Charter. GVMC is lagging behind in implementation of e-governance and Integration of different departments is required. (CDP 2015, Cl. 14.1.4, Focus Group Discssions)	4	Integrated E-governance and Disaster Managament System City wide digitization of records (traffic, tax, crime etc.) ICT components to be leveraged with other domains like Landuse, GIS mapping, Big data etc. for resource optimization to provide relevant solutions applicable in a particular area or for the entire city.
Energy supply	A Smart City has reliable, 24/7 electricity supply with no delays in requested hookups. (Guildeline 2.4)	3	 APEPDCL is responsible for undertaking distribution and supply of power. (TERI Report 2014 on "Climate Resilient Infrastructure Services in Visakhapatnam") 24x7 power supply is assured to the city 95% reduction in power outages reported by APEPDCL. 	4	Smart Metering in ABD 100% reduction in outages in ABD
Energy source	A Smart City has at least 10% of its electricity generated by renewables. (Guideline 6.2)	1	 Percentage contribution of Renewable Sources towards Power Supply for 2015 is 1.2%. Most of the interventions are at the domestic level (solar geysers) and there is little enthusiasm at the State Govt. or ULB level to diversify the energy sources. (Focus Group Discssions) 10% rebate on Property Tax given by the local authority for owners who Install and use solar heating and lighting system (Andhra-Pradesh-Building-Rules-2012) 	4	 Increasing the share of solar energy by atleast 10%. Energy efficient Street Lighting in GVMC limits (CDP 2015, Cl.18.9) with Solar powered Street Lighting in ABD. Solar enabled public toilets and bus stops in ABD. Solar Photovoltaic paneling & Energy auditing at building level in Government and institutional buildings in ABD. Creating awareness amongst citizens (in schools etc.) on renewable energy and energy efficiency technologies.
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)	1&2	 Demand is 59.4 MGD out of which GVMC is supplying 41.09 MGD. Raw fresh water scarcity, existing sources area not firm sources. Transmission through open canal leads to losses of water (Infiltration, Evaporation, Pilferage etc) The water quality of the city is also below standards. The NRW component is as high as 40% currently. Currently average 97 LPCD water is supplied for average 2 – 4 hours/day Only 21% connections are metered – loss of revenue. Revenue on basis of flat rate (100rs/month) Water supply network non-existant in peripheral areas. (CDP 2015, Cl. 1.a) 	4	Implementing Smart Strategies like SCADA system, Quality Monitoring and Flow meters for Water Supply Network in ABD.
Water management	A Smart City has advanced water management programs, including smart meters, rain water harvesting, and green infrastructure to manage stormwater runoff. (Guideline 6.2)	2	 22 natural Outfall drains and 20 primary drains. Unabated construction activities, solid waste dumping into the drains lead to water logging. Certain areas like Poorna Market, MVP Colony etc. are prone to flooding during monsoons. Construction of RWH pits in Government offices and institutional structures has been proposed but not undertaken yet. (CDP 2015, Cl. 9.4) 10% Property Tax rebate offered by AP state on properties with RWH structures. (Andhra-Pradesh-Building-Rules-2012) 	4	 Mapping of water bodies & water inundation areas in the city to develop strategies to counter flooding as a part of Disaste Management. Making RWH compulsory in large commercial establishments (shopping malls, office complexes, government buildings etc. ABD. Bioswale concept and Linear Park along Beach Road for recharging ground water and Storm Water Management in ABD.
Waste water management	A Smart City treats all of its sewage to prevent the polluting of water bodies and aquifers. (Guideline 2.4)	2	 Sewage collection network covers 59.3% of the population. The disposal of waste is directly into the sea after primary treatment. Three STPs (25, 38 & 76 MLD) are installed but are not operating to installed capacity. Only 7% of total sewage generated is being reused at present. (CDP 2015, Cl. 9.2) 	4	 Existing STPs to be upgraded with water testing facilities. (CDP 2015 goal, Cl. 18.3.1) 100% sewerage connectivity for all areas in GVMC. (CDP 2015 goal, Cl. 18.3.1)
Air quality	A Smart City has air quality that always meets international safety standards. (Guideline 2.4.8)	1	CEPI of Visakhapatnam is 70.824. Topography of the city, wind direction, presence of industries & port compound the problem of air pollution. Quanitity of PM 10 is 250% higher than the ambient air quality standards. Dust generation in ports due to cargo handling (Coal, iron ore, silica etc) (CDP 2015, Cl. 1.g) Alll Autos and HMVs along with 47% of cars and taxis run on diesel fuel. (CMP, 2011-30)	4	 Phasing out diesel Autos with E-rikshaws in ABD. Surveillance and Monitoring System to be used in ABD for regular monitoring of air quality and noise pollution. Increasing the green cover and buffer zones in ABD to mitigate air pollution.
Energy efficiency	A Smart City government uses state-of-the-art energy efficiency practices in buildings, street lights, and transit systems. (Guideline 6.2)	1&2	The city presently doesnot have any energy efficient infrastructure or policy in place.	4	 Solar powered LED Street lights in ABD. All public/semi-public buildings to follow best practices in energy efficiency in ABD.
Underground electric wiring	A Smart City has an underground electric wiring system to reduce blackouts due to storms and eliminate unsightliness. (Guideline 6.2)	2	Currently only 1% of the city has UG electric wiring. (APEPDCL performa)	4	Under World Bank Scheme 25% of the city is slated to get UG Electrical Wiring in 1st phase. (APEPDCL performa) Upgrading telecommunication infrastructure to withstand severe natural & man-made disasters in ABD.
Sanitation	A Smart City has no open defecation, and a full supply of toilets based on the population. (Guidelines 2.4.3 & 6.2)	2	 Areas of Anakapalli and Bheemli have high incidence of open defecation with about 20% of population lacking safe sanitation facilities. (CDP 2015, Cl. 9.2) Open defecation in slum areas, fishing villages and harbor area of core city. (Focus Group Discssions) 	4	 Providing new and upgrading existing community toilet facility in slums and areas prone to open defecation in ABD. Providing Smart Toilets in Public Areas, near intersections & at Bus Stops at regular intervals in ABD. Conducting Health Awareness Programs in slums. (CDP 2015 goal)
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)	2	 The Solid waste generated in Visakhapatnam is dumped at Kapuluppada without any treatment. No waste recovery mechanism or scientific landfill site for Anakapalli & Bheemli. Non-compliance with Municipal Solid Waste (MSW) Rules, 2000 for collection, transport and disposal of solid waste. (CDP 2015, Cl. 9.3) Undisciplined behaviours of the citizens with respect the waste littering. Segregation at source not practiced and burning of waste is common. (Focus Group Discssions) 	4	 Targetting Waste segregation at source in ABD: Twin-Bin System for Wet and Dry waste for all households. Awareness programs at school, community assistance etc. Zero Tolerance Zones in ABD- banning usage of Plastic bottles. Creating an engineered landfill site at Anandapuram (CDP 2015 goal, Cl. 9.3.1). Strengthening GVMC implementation and garbage monitoring system through GPS enabled pick-up trucks, GIS mapping an analysis of key waste bin locations etc in ABD.
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	1	Lack of a full proof Disaster Management Strategy. Lack of signaling systems and traffic management system increases vulnerability to accidents. (CDP 2015, Cl. 10.2.6)	4	Active Shared Streets with slow moving cars (30km/hr speed limit) in ABD. Dedicated Cycling and Pedestrian Zones in ABD. Integrated Disaster Response Management and E-governance system with surveillance.

		Long	Term																																
	Proposals		ium Term	ı					_																										
	Proposals	Short	t Term																																
					201	16						2017				1			2018							2019						2020			
AREA	WIDE PROPOSALS	Jan	Feb Ma	ar Apr M	May Jun	Jul Aug	Sep Oct	Nov De	c Jan F	eb Mar	Apr Ma	y Jun Ju	I Aug Se	ep Oct M	Nov Dec	Jan Fe	b Mar	Apr May	Jun Jul	Aug Sep	Oct Nov	Dec Ja	n Feb	Mar Ap	May Ju	in Jul At	ig Sep	Oct Nov D	ec Jan	Feb Ma	r Apr Ma	y Jun Ju	Aug S	Sep Oc	t Nov
Footpaths Development																																			
Footpath	89, 500 SQ.M Footpath construction																																		
Water Supply (24X7)																																			
Network of uncovered area 8km&																						1													
Ensuring 24x7 water supply & revenue																																			
	Replacement of 25% pipelines																																		
	Self-actualized valves							_																											
	Dismantling & restoration of roads																																		
	SCADA																																		
	Smart Metering for Water Consumption																																	_	4
Sewage (UGD)	001																																	_	4
Coverage of Jalaripeta	22km sewer line								_																+ +		-						+ +		4
Pumping main & pumping station	2 Nes nume hourses																							-	+ +		-	-	-			+ +	+ +	-	+
Improvements to pump-houses Improvement to 25 MLD STP	2 Nos pump houses Including SCADA & monitoring																													-				-	+
Recycle Water Supply Network	Intersente occorr or monitoring																																		-
Network Development																								-									-		
Storm water Drains Network																																			-
Network - Civil work development																																			
Road side Drains																																			
Network - Civil work development																																			
Waste Management																																			
Awareness Programme																																			
Equipment & Manpower	Road sweeping machine																																		
Open Greens & Landscape	Transfer and the second s																																		
Green spaces, landscaping, plantation	(Hardscape, Soft cape, Signage & Furniture)																																		
Power																																			
Under Ground Cabling																																			
Transport - Non Motorised																																			
Public Bike Sharing	Bike Charging kiosks																																		
Environment	Dull stands - Manian - Frank-											+ +			-										+ +	-									
Monitoring	Pollution Monitoring Equipment's	_								-		++	+ +							_		+ +	-		+ +		-		-					_	+
Solar Energy Solar Panels	Roof top mounted																																	-	
Public Toilets	Root top mounted																													-			-	-	+
Modern Solar Powered Toilets	12 Nos with 10 seats each											1					-								+ +	++	-					-	+ +	-	+
Community Toilets																											-								
Slums Locations	Community Toilets in slum locations																																		+
Parking	,																																		+
Multi-level Parking	Integrated Multi-level parking with Commercial use												1																						
Refurbishing Rajeev Memorial																																			
Upgrading Building Infrastructure	Installing Roof top solar																																		
Power																								_											
Smart Metering	Upgrading the electricity meters																																		
Shore Protection																													-						_
Beach Road																											-		-						4-
Transport	Ter He and a state of																	_						_			-		-					-	
Smart Signalling	Traffic surveillance and command centre			-																_				-			-					-		_	4
Education																														-		-	-	-	
Science Labs Housing	GVMS Schools - upgrading / new science labs																														+ +		+ +		
Housing for all	1130 Units for											1 1		1 1									1												
Power																																			+
Solar City Fund																																			
Landscape																																			-
Beach Beautification																																			-
Landscape																																			
VUDA Park retrofitting																																			
Transport	3. 17																																		
E-rickshaw																																			
Power																																			
Street Lighting																																			
СТ																																			
ICT Based Solution																																			
PANO	CITY PROPOSALS								_																			0 0 0		-					
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Structure of the SPV



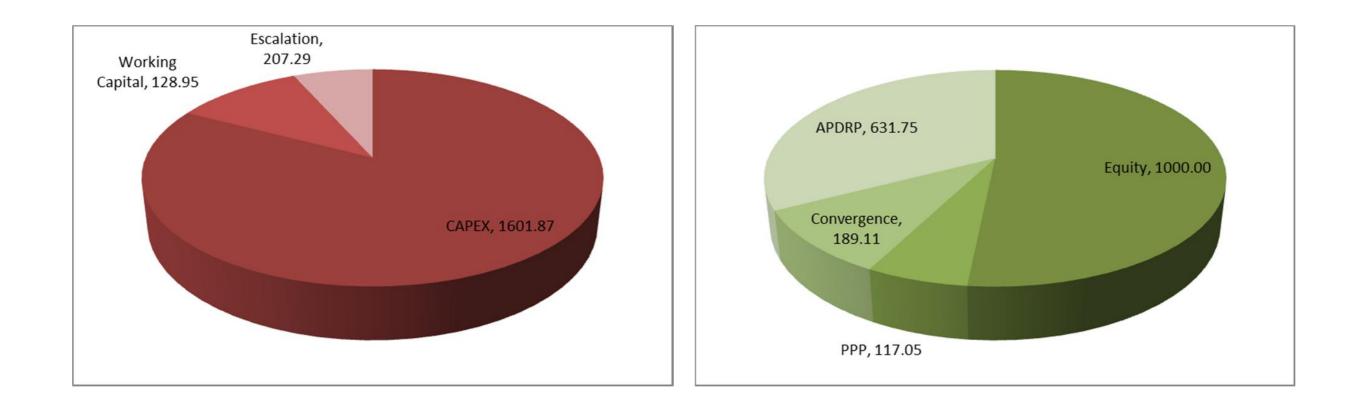
Institutional Arrangement for SPV



Sources and Application of Funds

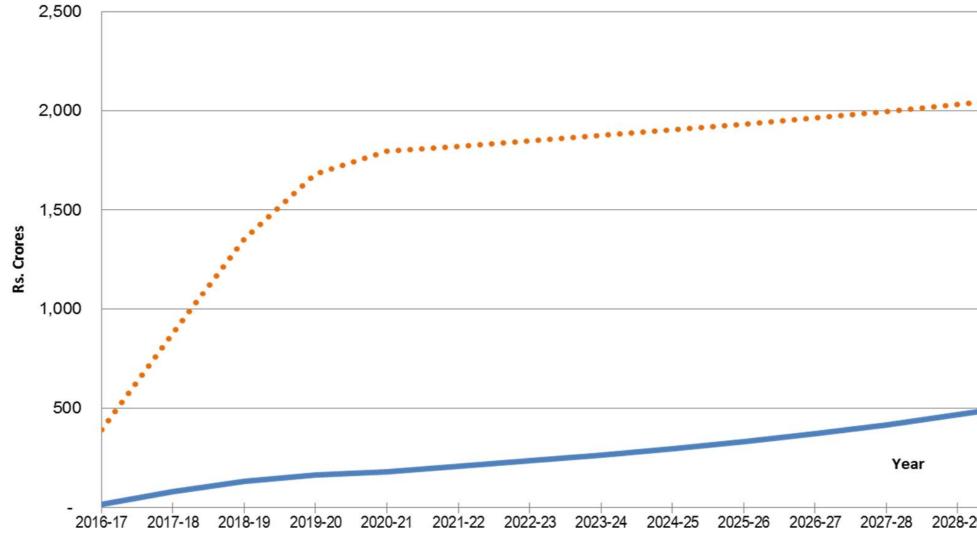
Application of Funds Total - 1938.11 Cr

Sources of Funds Total - 1938.11 Cr





Cumulative Cost and Revenue

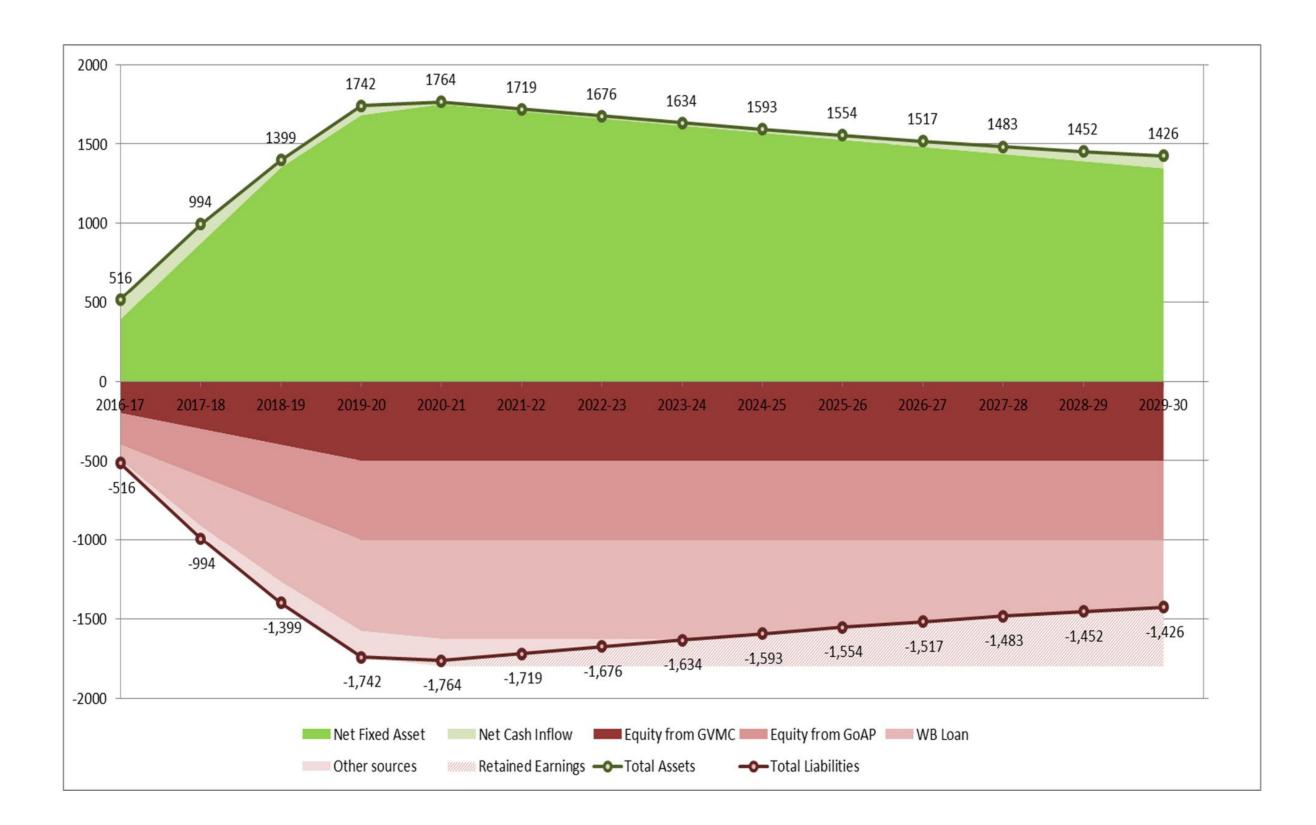


Cumulative Cost
 Cumulative Revenue

ANNEXURE 3 SHEET 5

2028-29 2029-30

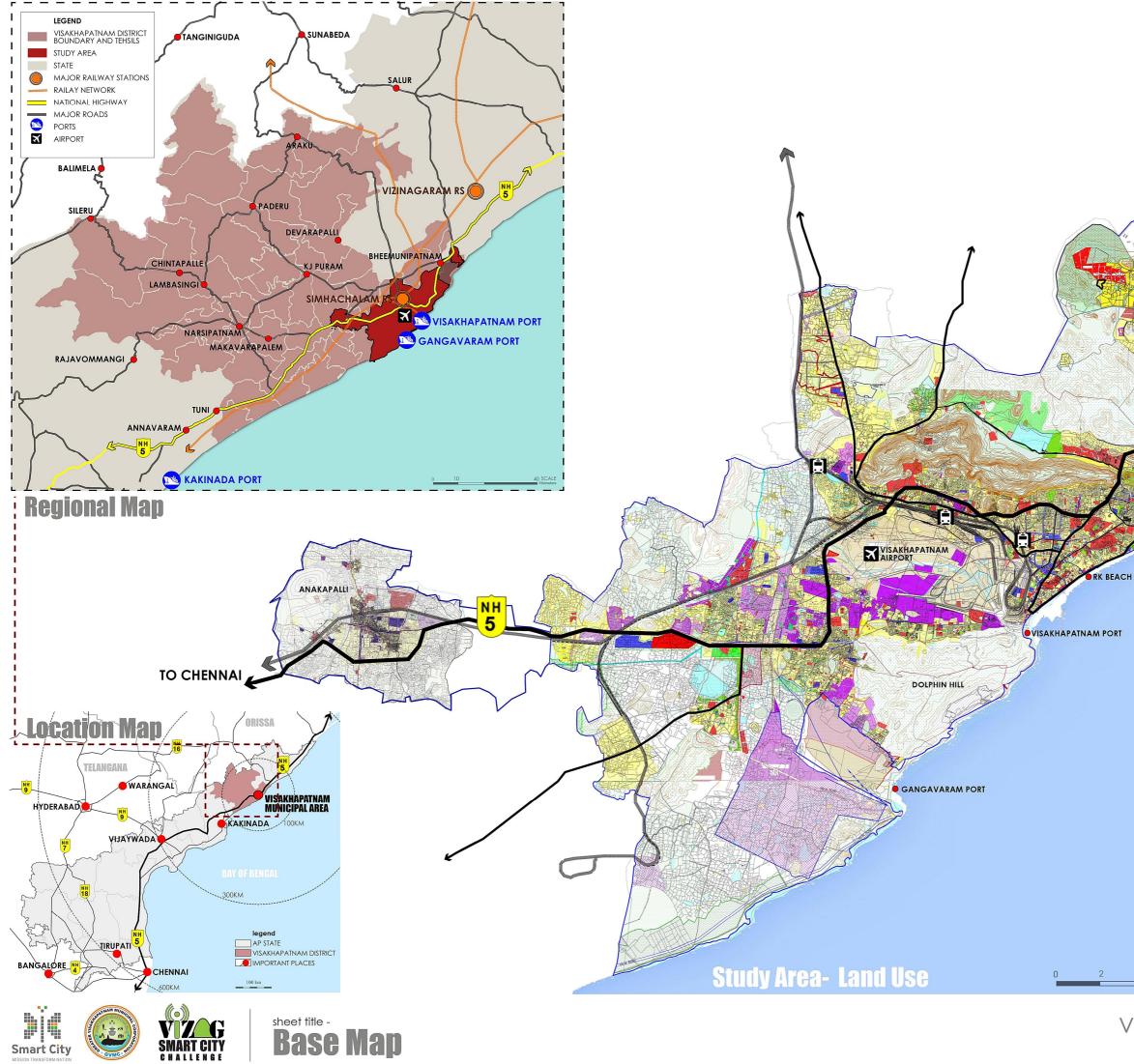
Balance Sheet



			12		c At	(All fi	igures in Lakhs)
	Project List	Cost of project	2016 - 17	2017-18	2018-19	2019-20	2020-21
1	Pan City Proposal (Disaster + E-Governance)	14,100	2,115	3,525	4,935	2,820	705
2	Footpaths	192	192	-	-	-	<u> </u>
3	Water Supply (24x7)	2,869	508	965	960	436	
a.	Network of uncovered area 8km& replacement of damaged pipelines (3.15 km)	238	238	-	-	-	-
b.	Ensuring 24x7 water supply & revenue improvement	2,631	270	965	960	436	
1	Replacement of 25% pipelines	112	28	44.80	39.20	-	-
11	Self-actualized valves (10% cost of network)	45	9	18	18	-	2
111	Dismantling & restoration of roads	252	-	84	84	84	-
IV	SCADA	1,056	-	352	352	352	-
v	Smart Metering for Water Consumption (@11,667 individual connections & 977 bulk connections & 3890 BPL connections)	1,166	233.20	466.40	466.40	-	
4	Sewage (UGD)	2,500	400	1,000	900	200	- 14
	Coverage of Jalaripeta - 22km sewer line	500	-	250	250	-	-
	Pumping main & pumping station	900	-	450	450	-	-
	Improvements to pump-houses (2 nos.)	200	200	-	-		
-	Improvement to 25 MLD STP (Including SCADA & monitoring)	900	200	300	200	200	-
5	Recycle Water supply	6,250		3,125	3,125		-
	Stormwater Drains	226	113	113	-		-
	Roadside Drains	768	256	256	256	-	-
8	Waste Management	353	167	157	20	10	
	Awareness Programme	100	40	30	20	10	-
1	Equipment (Including road sweeping machine)& Manpower	253	127	127	-	-	
	Equipment (meduing road sweeping machine) & manpower	200	127	127			
9	Green spaces, landscaping, tree plantation etc. (Hardscape, Softscape, Signage & Furniture)	9,569	957	2,392	3,349	1,435	1,435
	Underground Wiring	25,000	2,500	6,250	6,250	5,000	5,000
	Transportation (Public Bike Sharing+Bike Charging Stations)	5,075	254	761	1,015	1,269	1,776
	Pollution Monitoring Systems	138	138	-	-	-	-
	Solar Roof Top	30,533	6,107	7,633	10,687	6,107	-
	Public Toilets (12 nos. with 10 seats/Toilet with Solar roof top)	640	320	320	-	-	-
15	Community Toilets in slums	43	21	21	-		
16. a	Multi level Car Park with retail outlets on multiple Plots + Contingency @ 15% (4 Acres BUA @ 2 FSI & INR 11,000/Sq.m + 0.75 Acres BUA @ 1 FSI & INR 23,000/Sq.m) + Solar Rooftop	6,690	2,675.94	1,672.46	2,341	-	
16.b	Refurbishing of Rajeev Memorial + Solar Rooftop	944	142	472.15	331		-
17	Smart metering for Electricity	2,642	528.40	2,113.60			
18	Shore Protection along Beach Road	12,500	3,125	6,250	3,125	-	-
19	Smart Signalling & Traffic surveillance + Command/Data Centre	1,200	600	600	-	-	
20	Science Labs in GVMC Schools	550	193	138	165	55	-
22	Housing for all (1130 houses in the Area-3 @ 4.8 lakh per unit)	5,424	-	1,627	2,169.60	1,627.20	
23	Solar City fund	50	20	30	-	-	-
	Beach Beautification Project	24,000	3,600	8,400	6,000	6,000	
	Retrofitting of VUDA Park	1,200	600.00	600.00	-		
	Cost of E-Rickshaws @ 1.5 lakh each	230	800 C	115	115		
			0.05		375		
28	Centrally controlled Monitoring System for Street Lighting	1,500	223	9001	5/3		
	Centrally controlled Monitoring System for Street Lighting Area based ICT Solutions	1,500	225	900	1,000	2,000	-

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VIZAG SMART CITY PROPOSAL Sheet 09

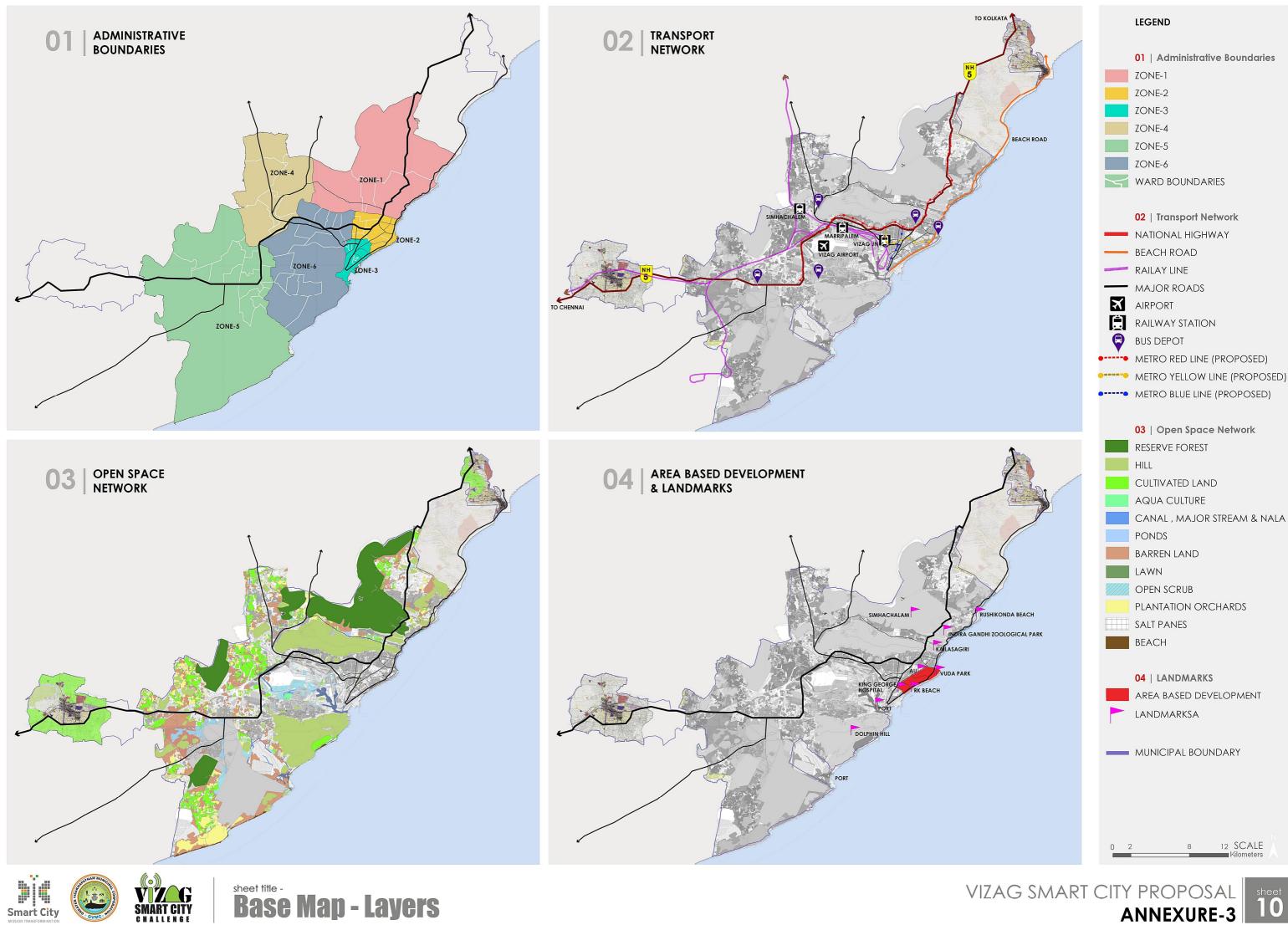
Kailasagiri		LEGEND
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Á		NEW TOWN
VUDA PARK		COMMERCIAL
		LIGHT INDUSTRIAL ZONE (I-1)
		GENERAL INDUSTRIAL ZONE (I-2)
		SPEICAL / HAZARDOUS INDUSTRIAL ZONE (I-3)
		PUBLIC & SEMI-PUBLIC
		RECREATION & OPEN SPACE
		AGRICULTURE
	*******	BURIAL GROUND
		WATER BODY
		RIVER
	()	HILL / FOREST
	• • • • • • • • • • • • • • • • • • •	TRANSPORTATION
		REGIONAL BYPASS
		INTERNODAL EXPRESSWAY
		GREEN CORRIDOR
	_	MAJOR ROADS
		RAILWAY LINE
	X	AIRPORT
		RAILWAY STATION
		MUNICIPAL BOUNDARY
4 8		12 16 SCALE

BEACH ROAD

BHEEMLI

TO KOLKATA

NН 5



Smart City

VIZAG SMART CITY PROPOSAL ANNEXURE-3

Online

www.yourvoiceyourvizag.com survey/questionnaire MyGov.in "My Vizag of tomorrow" - a Vision statement competition "My Top priority areas of improvement in Vizag" – A Poll Facebook / Social Media

Mobile

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()

Whattsapp + SMS messaging

Ward Level Surveys (door to door)

20 Tabs for online feedback at Ward level Upto 10 Mobile Smart Vizag Booths vans all over the city Local Students engaged as volunteers for Smart city Vizag Ward Level surveys using questionnaire

Focus Groups

Sector Specific Focus group/Stakeholder meetings

Reach out/ Awareness Campaigns

Posters/Banners all over city – awareness Daily Local cable, FM radio, cinema - awareness 9 audio system mounted vans visited wards/public spaces







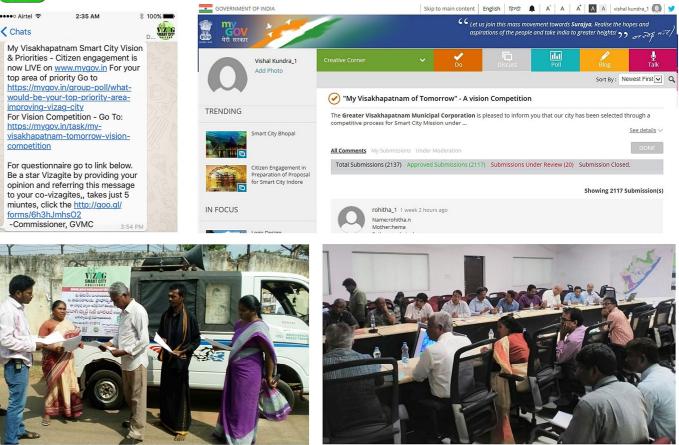
with citizens



Reaching out to

thousands of citizens on whatsapp







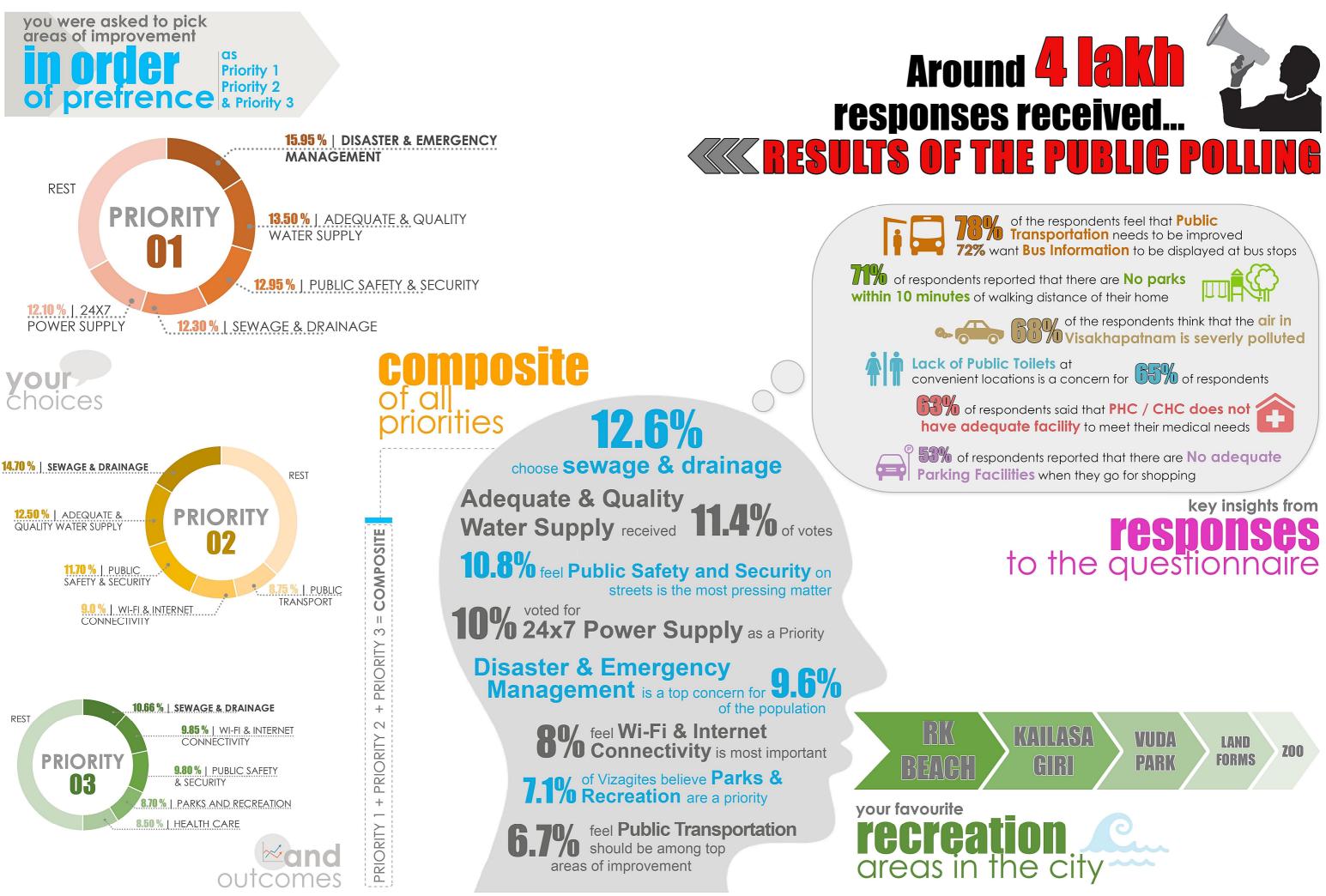
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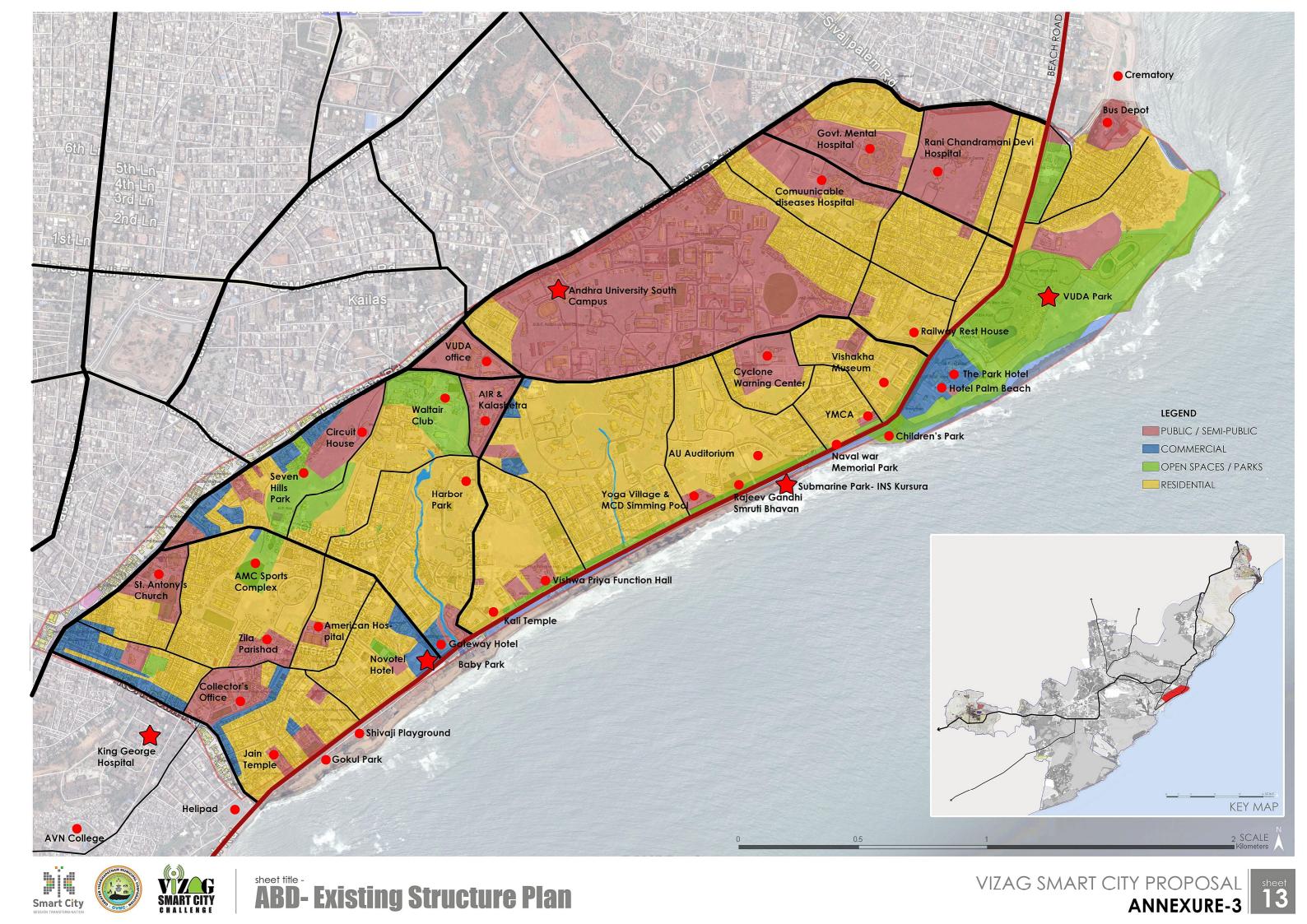
Interacting with citizens on MYGOV.IN Completed essay competition for vision statement for Vizag

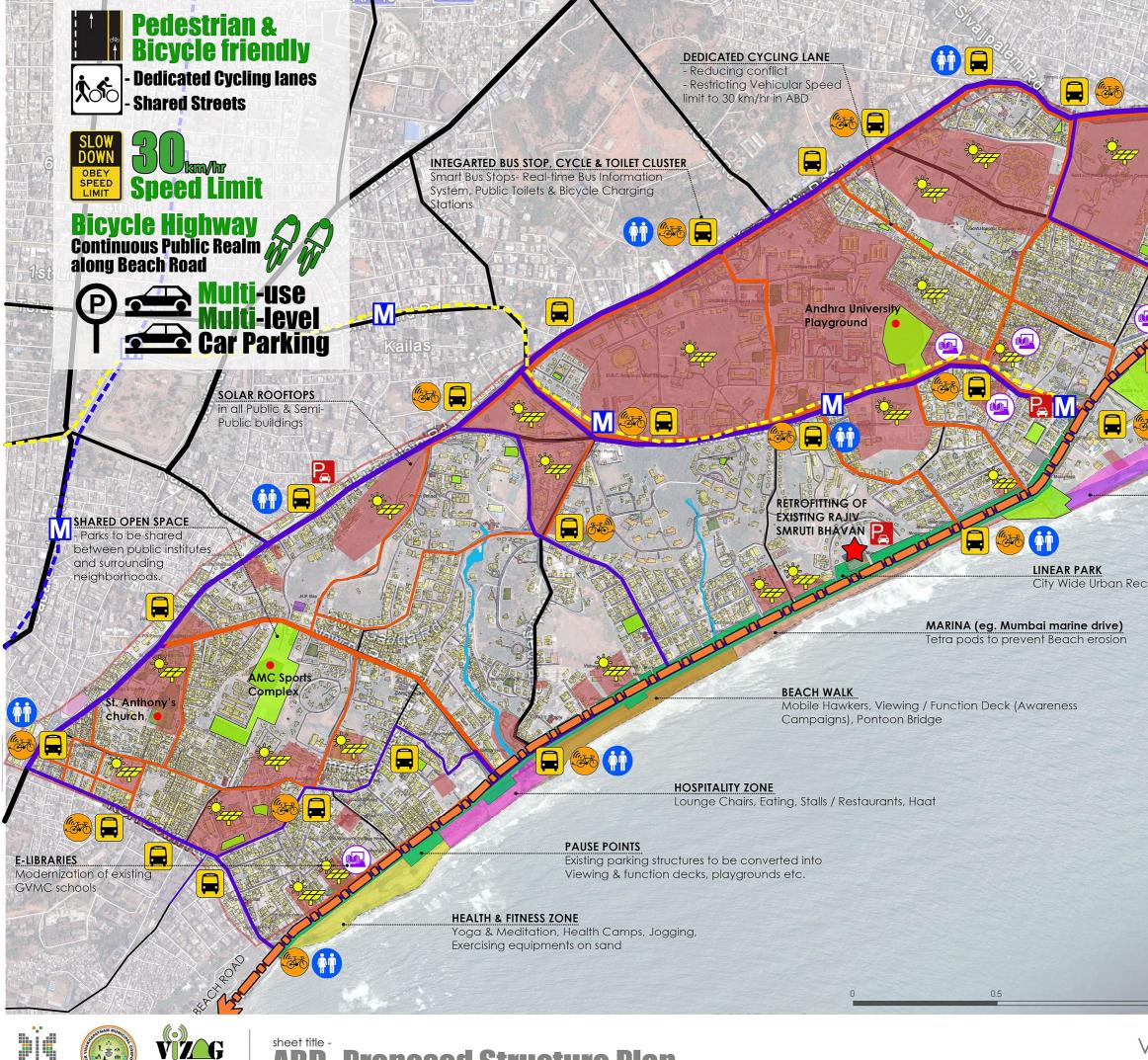






VIZAG SMART CITY PROPOSAL **ANNEXURE-3**





Smart City

BICYCLE HIGHWAY Safe pedestrian & cycling

environment (healthy lifestyle)

FISHING ZONE

Spill out spaces for fish drying & sorting, boat docking etc. for local fishermen

INNOVATIVE USE OF OPEN SPACES (eg. Aracaju, Brazil) Sports Facility-Skating rink, tennis courts,

volley ball, swimming pool, Yoga & Meditation etc.

Å

HOSPITALITY ZONE

VUDA Park

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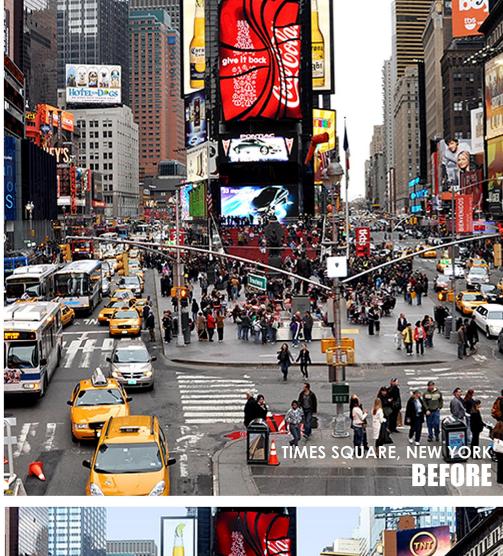
EACH

Lounge Chairs, Eating Stalls / Restaurants, Haat

		LEGEND	
reation Zone		BUS STOPS (EXISTING)	
	Star	CYCLE CHARGING STASTIONS (PROPOSED)	
	Μ	METRO STATIONS (PROPOSED)	
	_	BUS ROUTE (EXISTING)	
	_	DEDICATED BICYCLE LANE (PROPOSED)	
		METRO ROUTE (PROPOSED)	
		BICYCLE HIGHWAY & BEACH ROAD PROMENADE	
	P	MULTI-USE MULTI LEVEL CAR PARKING	
		EXISTING PARKS & SHARED OPEN SPACES	
		INNOVATIVE USE OF OPEN SPACES & PARKS	
		EXISTING DRAINAGE CHANNELS	
	, Alternational Alternation of the second se	SOLAR ROOFS	
		PUBLIC TOILETS	
		MODERNIZATION OF EXISTING GVMC SCHOOLS	
		PUBLIC FUNCTIONS	
		ZONES- HEALTH & FITNESS HOSPITALITY BEACH WALK MARINA FISHING ZONE	
1		2 SCALE	

VIZAG SMART CITY PROPOSAL ANNEXURE-3

sheet **14**





NEW TRANSFORMATION YORK from Vehicular to Pedestrian Only

Giving an Identity to the City CANNES Dacemaking FRANCE





VZG SMART CITY CHALLENGE





VIZAG SMART CITY PROPOSAL ^{sheet} **ANNEXURE-3**

Innovative Use of Open Spaces | LINEAR CITY PARK

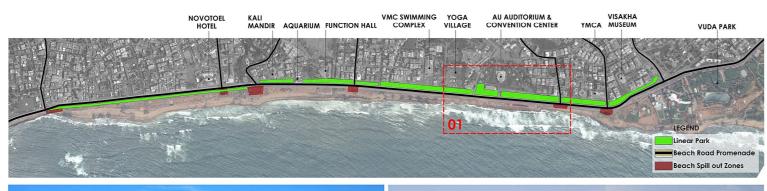
EXISTING CONDITION | along the Beach Road



Light poles & Green buffer along hanging wires add Beach Road is to visual clutter Hoardings devoid of any trees SUBMARINE PARK

Lack of any tree cover gives a stark look to the Beach road while also exposing inactive boundary wall and facades of unkept residential buildings. Hoardings, hanging wires and light poles add to the visual clutter.

PROPOSED CONDITION | along the Beach Road





Having trees all along the beach road would not only break the monotony of the hardscape (soften the edge) but also activate the presently un-occupied green buffer by providing shaded spaces for recreation, sitting, informal shopping etc.





sheet title -**ABD- Strategies & Proposals**





Different Character Zones and Activities along the **Beach Road**

Parks near Residential Layouts could double as open space for kids to play

Hawker Zones and public amenities near Bus Stops, at intersection etc.

Multipurpose **Event** Spaces

Eateries, Local Kiosks & Spill out spaces at regular intervals.

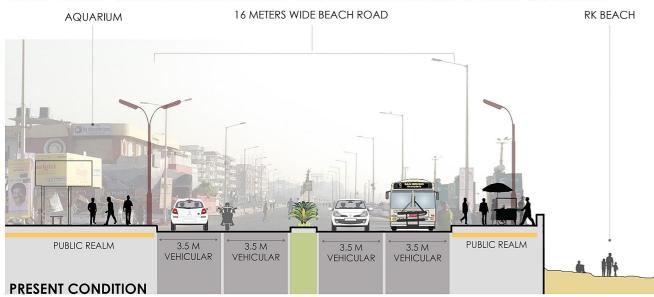
Open piazzas in front of important buildings to create a sense of entry

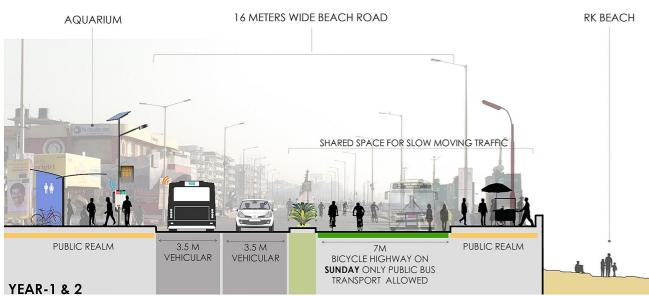
Palm Boulevard to accentuate the scale of Beach Road with **Bicycle** Highway on the Seaward side

Shaded Groves with seating and hawker zones below

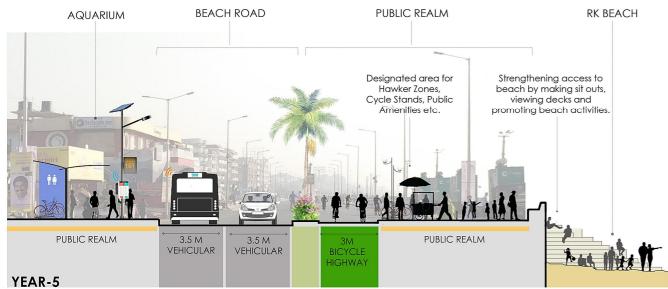


Year Wise enhancement in the Beach Road Cross Section





(Bus Information System, Bicycle Charging Stations, Solar Enabled Street lights, Bicycle Highway on Sunday)



(Bicycle Highway implemented & Public Realm towards beach extended, designated hawker zones, sit outs etc.)











sheet title -**ABD- Strategies & Proposals**

enhancing the

GO-KARTI

BEACH SPORTS Beach volley ball, basket ball & exercising equipments on sand

YOGA & MEDITATION ZONE Yoga grounds, Zen gardens etc.

MULTI-PURPOSE GROUND Congregation Ground, Amphitheatre, Informal Play areas

BIODIVERSITY TRAIL Wetland zone as biofilteration mechanism along the nala. Plant nurseries, butterfly gardens etc.

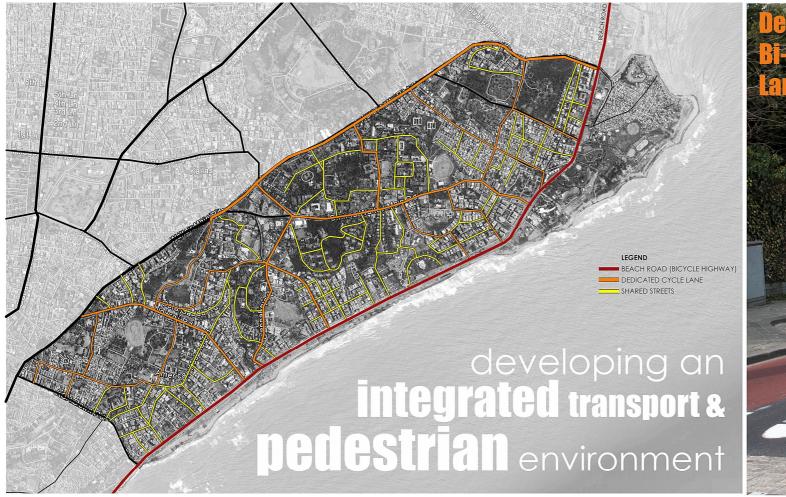
DEFINED SPORTS AREA Tennis court, Simming Pools, Basket Ball Courts etc.

Using Light House as a visual anchor



oga







Shared Streets

EXISTING

Mixed Traffic Condition and lack of pavements pose a serious threat to the safety of pedestrian and cyclists.

Visual Obstruction-

Hanging wires, poles etc.

Contestation of space- parking,

pedestrians, amenities etc.



Speed limit on vehicular traffic and at grade movement of different modes ensures safety and universal access.

> Underground Electric Wiring, High canopy trees for clear visual and physical access the road

At grade side walks separated in color and by bollard lights from

Stop Cluster Solar powered Bus stops with LED display for bus passenger information, equipped with bike cluster and toilet.

PRIVATE PROPERTY

Smart Bus













sheet title -**ABD- Strategies & Proposals**







Auto-Rickshaws with

e-Rickshaws



Smart Infrastructure





AP-01-VIZ ANNEXURE 4

<u>ANNEXURE 4</u>

SHEET 1

R.C.NO. 13099/2015/ADCIDI

1

COUNCIL PREAMBLE

Sub: Greater Visakhapatnam Municipal Corporation – Smart Cities Mission launched- preparedness and submission to GoI for Smart City challengecommunicated score cards to assess the performance and financial stability of urban local bodies – convening of citizens meetings- council resolution approval of score card particulars,– submitted for council approval-reg.

- Ref: 1. Memo for GoAP No. 20950/UBS/2015 Dt: 30.06.2015.
 2. D.O. Lr No K 15016/10/SC-2015(Pt-II), Dt: 08.06.2015 of Joint Secretary (UD&MD), MoUD, GoI guidelines for Smart cities.
 3. Lr from Secretary, MoUD No. K. 15016/10/SC/(Pt-II) Dt: 26-05-15.

The Hon'ble Prime Minister launched a flagship programme namely Smart Cities Mission on 25th June, 2015 for improving quality of life and attracting people and investment to the cities by releasing year wise grants in five years plan.

The objective of the Smart Cities Mission is to promote cities that provide core infrastructure and give a decent quality of life, a clean and sustainable environment and application of smart solutions to its citizens. The focus is on sustainable and inclusive development and the idea is to look at compact areas, create a replicable model which will act like a light house to other aspiring cities. It is meant to set examples that can be replicated both within and outside the smart city, catalyzing the creation of similar smart cities in various regions and parts of the country.

The smart cities will be short listed on the basis of Smart City Challenge with conditions precedent and scoring criteria (Ref: Form 2 of Smart City guidelines). The Stage 1 of the competition is intra-State, where the State is expected to shortlist by 31st July, 2015, potential smart cities based on conditions precedent and scoring criteria set out in the guidelines, and the highest scoring potential Smart Cities will be short listed and recommended to participate in Stage 2 of the Smart City Challenge.

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<u>ANNEXURE 4</u>

SHEET 1

In the stage 2 at the National level, after receipt of proposals from the State Governments, these 100 cities will be evaluated by a Committee involving a panel of national and international experts, organizations and institutions. As informed during the launch conference, only 20 cities will be picked up for the Smart City Mission initially.

The winner cities shall then create a Special Purpose Vehicle (SPV) and prepare their Smart City Proposal (SCP) outlining their vision, chosen Model of Development and Plan for mobilisation of resources for the Smart Cities.

In the event of the State not winning all its three allocated cities in the first round, those cities not winning or other cities as decided by the High Power Steering Committee (HPSC) will work on improving their SCPs for consideration in the next round. Depending on the nature of the SCPs and outcomes of the first round of the Challenge, the MoUD may decide to provide handholding assistance to the potential Smart Cities to upgrade their proposals before starting the next round.

The guidelines mandate that The Smart City Mission monitoring is carried out through 3 different committees one at National level (Apex Committee), one at State level High Power Steering Committee (HPSC) and one at City level (Smart City Advisory Forum). The implementation will be done by a Special Purpose Vehicle (SPV) established at city level.

To participate in the Smart City Challenge, the council agrees to comply and fullfill the conditions precedent and duly fill in the Score Card (Form- 2) that shall help assess the ULB's performance, financial stability on several parameters.

Further the score card mandates a Council resolution along with a Citizen consultation and an Inter-departmental Task Force consisting of parastatal bodies, Urban Local Body (ULB), Organizations and Urban Development Authorities (UDAs) to be constituted in order to make the city Smart (Form 1, Part-4). With respect to Citizen consultation the council shall ensure that ward level consultation meetings will be conducted with specific agenda and benefits of Smart City Mission explained.

The Council shall further if selected ensure and agree to the creation of a Special Purpose Vehicle (SPV) for the implementation of the Smart City Mission in our City. It is undertaken that

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will adopt best practices to create an empowered SPV to the extent and as provided under unicipal act. The SPV shall also delegate the rights and obligations of the municipal council in respect to the Smart City. The council shall delegate the decision making powers available to the ULB under the municipal act/ Government rules to the Chief Executive Officer of the SPV. The council shall also delegate the approval or decision making powers available to the Urban Development Department / Local Self Government department / Municipal Administration department to the Board of Directors of the SPV in which the State and ULB are represented. The council shall also delegate the matters that require the approval of the State Government to the State Level High Powered Steering Committee (HPSC) for Smart Cities.

In view of the introduction of the Smart City Mission for the holistic development of the urban people the Score Card with 15 parameters has been submitted herewith to the council for approval with a request to accord permission for onward submission to the Government of India through the State of Government of Andhra Pradesh for the participation and selection of Greater Visakhapatnam Municipal Corporation in the Smart city Challenge in contention with the corporation may provide best infrastructure required with the Smart City Mission.

Hence the matter is placed before the council: "for agreeing to the proposal to make the city Smart, and to submit the proposal in accordance with Smart City guidelines. If selected, the council may undertake to abide by the Smart city Mission Guidelines/ conditions of Government of India and Government of Andhra Pradesh including those relating to the financing, funds release and SPV"



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Dr. T. BABURAO NAIDU, Ph.D., I.A.S.,

Vice - Chairman Visakhapatnam Urban Development Authority & Vice - Chairman VK - PCPIR Special Development Authority Visakhapatnam - 530 003.





To, The Commissioner, Greater Visakhapatnam Municipal Corp., Visakhapatnam

Sir,

Sub: VUDA – Smart City proposal – Approval to offer assistant required – Reg.

This is to convey VUDA's approval of the Smart City Proposal for Visakhapatnam city.

VUDA will offer all the assistance required to implement the proposal which inter-alia

includes:

- 1. Participation in the SPV as suggested in the SCP
- 2. Leasing of the VUDA Park to the SPV and any further assistance that may be required to develop it as per the SCP
- 3. Approval for developing the parking areas on suitable model (PPP/EPC) at the sites identified in the SCP

We will be happy to extend any further support to GVMC and the SPV that may be required from us for this project.

With Regards,



VICE-CHAIRMAN VUDA

Office: 9th Floor, VUDA Udyog Bhavan Complex, Siripuram Jn., Visakhapatnam - 530 003. Mobile: +91 70932 55999, Phone & Fax: (O) 0891 - 2754189 E-mail: vcvuda@yahoo.com www.vuda.gov.in

EASTERN POWE DISTRIBUTION COMPANY OF A.P LIMITED CORPORATE OFFICE:: VISAKHAPATNAM

То

The Commissioner, Greater Visakhapatnam Municipal Corporation, Visakhapatnam

Sub: Smart City proposal – approval of the Smart City Proposal for Visakhapatnam-Reg.

This is to convey APEDCL's approval of the Smart City Proposal for Visakhapatnam city. It is to inform that, APEDCL will implement the projects relating to the Smart Meters and Underground wiring in the selected area as part of the Smart City Proposal under the following schemes.

- a) Underground cabling works under AP Disaster Recovery Project (APDRP) with financial assistance from World Bank.
- b) Infrastructure improvement and Smart Meters under Integrated Power Development Scheme (IPDS) of Government of India.

As a policy, APEDCL buys the solar power from the property owners under net metering approach and will extend the same facility to the SPV also.

APEDCL will also participate in the SPV which will implement the entire Smart City Proposal and also extend any support require for this proposal.



APEPDCL: Visakhapatnam

VUTCL

Visakhapatnam Urban Transport Company Limited

Registered Office C/o. GVMC, Room No. 402, Tenneti Bhavan, Asilmetta Junction, VISAKHAPATNAM- 530002, Andhra Pradesh. India.CIN No.U60200AP2012PLC078640

From The Chief Executive Officer, Visakhapatnam Urban Transport Company Limited Visakhapatnam.

To The Commissioner, Greater Visakhapatnam Municipal Corporation, Visakhapatnam

Sub: SPV-Visakhapatnam Urban Transport Company Limited – Smart City Challenge participation –GVMC –implementation of Smart City Proposal-approval – Reg.

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This is to convey that the Visakhapatnam Urban Transport Company Limited will implement the projects relating to the installation of GPS on the public transportation in the selected area as a part of the Smart City Proposal along with the SPV which will be created to implement the Smart City Proposal.

Visakhapatnam Urban Transport Company Limited will be willing to extend any support required for the successful implementation of the proposal.

Your faithfully,

Chief Executive Officer VUTCL DIN: 07106418

<u>ANNEXURE 4</u> SHEET 5



GREATER VISAKHAPATNAM MUNICIPAL CORPORATION VISAKHAPATNAM

Rc.No.11495/CE(GVMC)/SE(P-I)/EE (PD-II), Dt:17-04-2013

Sub: GVMC - Engg - Installation of Modern Traffic Signals with Intelligent Video Surveillance system at 94 junctions in Visakhapatnam city -Selection of alternate junctions to both successful bidder and GVMC for advertising - Revised Agreement Copy - Submitted - Reg.

Orders of the Commissioner, dt 18-03-2013. Ret

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With reference to the above cited, it is to submit that the Revised Agreement copy vide No:03/2012-13/Commissioner/GVMC/CE/SE(P-1)/EE(PD-II),dt:18-03-2013 approved by the Commissioner on dt 18-03-2013, is herewith enclosed for information.

For Commissioner 17 443 GVMC

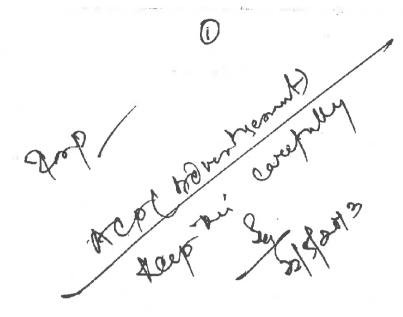
Enic: Xerox copy of Agreement Book

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N. A

Copy submitted to Commissioner's Table for information. Copy submitted to CCP/CE/SE(P-1) for information.

t. U 0 O 0 0 ()



INSTALLATION OF MODERN TRAFFIC SIGNALS WITH INTELLIGENT VIDEO SURVEILLANCE SYSTEM AT 94 JUNCTIONS, IN VISAKHAPATNAM' ON BUILD-OPERATE-TRANSFER (BOT) BASIS.

AUTHORISATION AGREEMENT

Among

THE GREATER VISAKHAPATNAM MUNICIPAL CORPORATION, THE COMMISSIONER OF POLICE, VISAKHAPATNAM

And

M/s.STANPOWER, HYDERABAD

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Addi. Deputy Commissioner of Police Traffic, Visakhapatnam City

仍 Commissioner Greater Visakhapatnam Municipal Corporation

Agno 03/12-13/commission CIVMC/C.E/SE(P.J)/EE-(P.D-1)/dt 18.3.2013

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क सो रुपये रु: 1:00 मन्मेव उमा स्वर्भव अप्र स्वर्भव स्वर्भाष्ठ स्वर्भव अप्र स्वर्भव स्वर्भव अप्र स्वर्भव स्वर्भव स्वर्भव स्वर्भव स्वर्थ स्वर्भव स्वर्भव अप्र स्वर्भव स्वर्ध स्वर्भव स्वर्भव स्वर्भव स्वर्भव स्वर्भव स्वर्भव स्वर्भव स्वर्भव स्वर्भव स्वरत्भ स्वर्भव स्वरत्भ स्वर्भव स्वरत्भ स्वर्भव स्वर्भव स्वर्भव स्वर्भव स्वर्भव स्वरत्भ स्वर्भव स्वर्भव स्वरत्भ स्वरत्भ स्वरत्भ स्वरत्भ स्वर्ध स्वरत्भ स्वरत्भ स्वरत्भ स्वरत्भ स्वर्ध स्वरत्भ स्वरत्भ स्वरत्भ स्वरत्भ स्वर्ध स्वरत्भ स्वर्ध स्वरत्भ स्वर्ध स्वर्ध स्वर्य स्वर्ध स्वरत्य स्वर्ध स्वरत्भ स्वर्ध स्वरत्भ स्वरत्भ स्वर्ध स्वरत्भ स्वरत्भ स्वरत्भ स्वरत्य स्वर्ध स्वरत्भ स्वरत्य स्वरत्भ स्वरत्य स्वर्ध स्वरत्य

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Licenced Stamp Vendor LiC.No.15-18-013/2000 REN.No.15-18-016/2009 H.No.5-2-30, Premavathipet (V), Rajendranagar Mandal, Ranga Reddy District. Ph.No.9849355156

AGREEMENT

This agreement made and executed on this 18th day of February, 2013 at Visakhapatnam between GREATER VISHAKHAPATNAM MUNICIPAL CORPORATION an authority constituted under the provisions of "The Vishakhapatnam Municipal Corporation Act, 1979" a 2 local body under the control of Government of Andhra Pradesh, having its Office at Tenneti 🛿 Viswanadham Bhavan, Asilmetta Junction, Visakhapatnam – 530003, and represented by its "Commissioner" hereinafter referred to as "GREATER VISHAKHAPATNAM MUNICIPAL CORPORATION" or the "Grantor" (which expression shall, unless it be repugnant to the context or meaning thereof, include its successors and assigns) of the FIRST PART, the Commissioner of Police, Visakhapatnam represented by their Additional Deputy Commissioner of Police of the SECOND PART and M/s STANPOWER, 5 Ameena Complex Uppal Hyderabad 500039 represented by Sri. Timothy Prakash S/o Dr P A Paul (hereinafter called the "CONTRACTOR") of the THIRD PART each singly a 'party' and all collectively the XX 'parties' whereas it is proposed to 'Install modern traffic signals with intelligent video a surveillance system at 94 junctions, in Visakhapatnam' on Build-Operate-Transfer (BOT) basis under the jurisdiction of Commissioner, GREATER VISHAKHAPATNAM MUNICIPAL CORPORATION.

For STANPOWER

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Addi. Deputy Commissioner of Police Traffic, Visakhapatnam City

Commissioner Greater Visakhapatnam Municipal Corporation

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CREDIT NUMBER 5694-IN

Project Agreement

(Andhra Pradesh Disaster Recovery Project)

between

INTERNATIONAL DEVELOPMENT ASSOCIATION

and

STATE OF ANDHRA PRADESH

Dated

July 16 ,2015

CREDIT NUMBER 5694-IN

PROJECT AGREEMENT

Agreement dated <u>A. L. 16</u>, 2015, entered into between the INTERNATIONAL DEVELOPMENT ASSOCIATION ("Association") and the STATE OF ANDHRA PRADESH ("Project Implementing Entity") ("Project Agreement") in connection with the Financing Agreement ("Financing Agreement") of same date between INDIA ("Recipient) and the Association. The Association and the Project Implementing Entity hereby agree as follows:

ARTICLE I — GENERAL CONDITIONS; DEFINITIONS

- 1.01. The General Conditions (as defined in the Appendix to the Financing Agreement) constitute an integral part of this Agreement.
- 1.02. Unless the context requires otherwise, the capitalized terms used in this Agreement have the meanings ascribed to them in the Financing Agreement or the General Conditions.

ARTICLE II --- PROJECT

- 2.01. The Project Implementing Entity declares its commitment to the objectives of the Project. To this end, the Project Implementing Entity shall carry out the Project in accordance with the provisions of Article IV of the General Conditions, and shall provide promptly as needed, the funds, facilities, services and other resources required for the Project.
- 2.02. Without limitation upon the provisions of Section 2.01 of this Agreement, and except as the Association and the Project Implementing Entity shall otherwise agree, the Project Implementing Entity shall carry out the Project in accordance with the provisions of the Schedule to this Agreement.

ARTICLE III -- TERMINATION

3.01 For purposes of Section 8.05 (c) of the General Conditions, the date on which the provisions of this Agreement shall terminate is twenty (20) years after the date of this Agreement.

ARTICLE IV — REPRESENTATIVE; ADDRESSES

- 4.01. The Project Implementing Entity's Representative is the Principal Secretary, Revenue (Disaster Management) Department of Andbra Pradesh.
- 4.02. The Association's Address is:

International Development Association 1818 H Street, NW Washington, DC 20433 United States of America

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4.03 The Project Implementing Entity's Address is: Principal Secretary Revenue (Disaster Management) Department Government of Andhra Pradesh Secretariat Hyderabad 500022 Andhra Pradesh

Facsimile:

91-40-23459015

AGREED at New Doll: India, as of the day and year first above written.

INTERNATIONAL DEVELOPMENT ASSOCIATION

By

Authorized Representative

Name: Onno Ruhl

Title: Country Provident Land

STATE OF ANDHRA PRADESH

By

Authorized Representative

Name: J. C. Shaima Title: Revenue (hand and D

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CREDIT NUMBER 5694-IN

FINANCING AGREEMENT

AGREEMENT dated 2024 16 2015, entered into between INDIA ("Recipient") and INTERNATIONAL DEVELOPMENT ASSOCIATION ("Association"). The Recipient and the Association hereby agree as follows:

ARTICLE I -- GENERAL CONDITIONS; DEFINITIONS

- 1.01 The General Conditions (as defined in the Appendix to this Agreement) constitute an integral part of this Agreement.
- 1.02. Unless the context requires otherwise, the capitalized terms used in this Agreement have the meanings ascribed to them in the General Conditions or in the Appendix to this Agreement.

ARTICLE II - FINANCING

- 2.01. The Association agrees to extend to the Recipient, on the terms and conditions set forth or referred to in this Agreement, a credit in the amount of two hundred fifty million United States Dollars (US\$ 250,000,000) (variously, "Credit" and "Financing"), to assist in financing the project described in Schedule 1 to this Agreement ("Project").
- 2.02 The Recipient may withdraw the proceeds of the Financing in accordance with Section IV of Schedule 2 to this Agreement.
- 2.03. The Maximum Commitment Charge Rate payable by the Recipient on the Unwithdrawn Financing Balance shall be one-half of one percent (1/2 of 1%) per annum.
- 2.04. The Interest Charge payable by the Recipient on the Withdrawn Credit Balance shall be at a rate equal to the Reference Rate for the Credit Currency plus the Fixed Spread; provided, however, that the Interest Charge payable shall in no event be less than zero percent (0%) per annum.
- 2.05. The Payment Dates are June 15 and December 15 in each year.
- 2.06 The principal amount of the Credit shall be repaid in accordance with the repayment schedule set forth in Schedule 3 to this Agreement.

<u>ANNEXURE 4</u> SHEET 6

2.07. The Payment Currency is Dollar

ARTICLE III - PROJECT

- The Recipient declares its commitment to the objectives of the Project. To this 3.01 end, the Recipient shall cause the Project to be carried out by the Project Implementing Entity in accordance with the provisions of Article IV of the General Conditions and the Project Agreement.
- Without limitation upon the provisions of Section 3.01 of this Agreement, and 3.02.except as the Recipient and the Association shall otherwise agree, the Recipient shall ensure that the Project is carried out in accordance with the provisions of Schedule 2 to this Agreement.

ARTICLE IV - EFFECTIVENESS; TERMINATION

- The Effectiveness Deadline is the date ninety (90) days after the date of this 4.01 Agreement.
- 4.02. For purposes of Section 8.05 (b) of the General Conditions, the date on which the obligations of the Recipient under this Agreement (other than those providing for payment obligations) shall terminate is twenty (20) years after the date of this Ágreement.

ARTICLE V - REPRESENTATIVE; ADDRESSES

- The Recipient's Representative is any of the following officials, acting severally; 5.01. the Secretary, Additional Secretary, Joint Secretary, Director, Deputy Secretary, or Under Secretary of the Department of Economic Affairs of the Recipient's Ministry of Finance.

The Recipient's Address is: 5.02.

> Secretary Department of Economic Affairs Ministry of Finance Government of India North Block New Delhi 110 001, India

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APDRP - WORKS ABSTRACT

		Abstract of Costs (INR in Cr.)		Costing (in Cr.)		
	Sl. No.		Costing (in Cr.)		GVMC	VUDA
0	1	Repair of road work	73.40		73.40	
	2	Drainage	37.49		37.49	0.00
	3	Sewerage Treatment Plants	11.00		11.00	0.00
	4	Parks	60.28		20.28	40.00
	5	Pedestrain walkways	15.20		15.20	0.00
ľ	6	Dwarf wall	3.60		3.60	0.00
	7	Street Furniture (police booth, public toilets, benches, dust-bins and signage boards)	2.60		2.60	0.00
ŀ	8	Street and beach lighting	9.00		9.00	0.00
	9	Landscaping on road dividers and traffic islands	2.66		2.66	0.00
	10	Architectural conservation of historic buildings	27.54		27.54	0.00
Į		TOTAL	242.77	Cr	202.77	40.00
			40.46	USD		

Government of Andhra Pradesh

Operations Manual

World Bank Assisted Andhra Pradesh Disaster Recovery Project

Project Management Unit Andhra PradeshRevenue (Disaster Management) Department

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Communities, and to enhance the capacity of state entities to respond promptly and effectively to an eligible crisis or emergency.

2.3 **Project Beneficiaries**

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5. The project, through its different components, will provide both direct and indirect benefits to the State of Andhra Pradesh and its 49.4 million inhabitants. Direct beneficiaries include populations of the coastal areas affected, specifically the four heavily impacted districts of Srikakulam, Vizianagaram, Visakhapatnam and East Godavari with a total approximate population of 13.3 million residents.

2.4 Project Components

6. The project has seven components: i) Resilient electrical network; ii) Restoration of connectivity and shelter infrastructure; iii) Restoration and protection of beach front; iv) Restoration of environmental services facilities and livelihood support; v) Capacity building and Technical assistance for disaster risk management; vi) Project implementation support; and vii) Contingency emergency response.

- i) Component 1: Resilient electrical network- US\$120 million: The objective of this component is to reduce the vulnerability of the city's electrical network by laying the power distribution system underground. Approximately 1200 km of 33kV, 11 kV and LT network lines will be converted to underground cable network starting from consumers meter board and going to 11 and 33 kV feeders, from the beach road and going towards landside. The component will also include provision for high-speed data/voice transmission, in the city of Visakhapatnam.
- ii) Component 2: Restoration of connectivity and shelter infrastructure- US\$105 million: This component will finance investments to permanently restore, upgrade, and increase resilience towards future disasters of Roads and Cyclone Shelters. Scope of this component will include all four affected districts: Visakhapatnam, Vizianagaram, Srikakulam and East Godavari. This component will support the following:
 - Sub-component 2.1:<u>Restoration of rural roads and cyclone shelters</u> (US\$60 million): This sub-component will support the permanent restoration, reconstruction, strengthening and widening of about 800km of damaged Rural Roads including cross-drainage structures, following the Indian Roads Congress (IRC), Ministry of Rural Development (MoRD) and Prime Minister's Gram SadakYojana (PMGSY) standards. It will also include repair of old cyclone shelters with friendly design features for the elderly, women, and children.
 - Sub-component 2.2:<u>Restoration of major district roads (MDR)</u> (US\$45 million): This sub-component will support the permanent restoration, reconstruction, strengthening and widening (mostly single-lane to double-lane) of about 250 km (currently planned for 298 km) of damaged MDRs including cross-drainage structures, following the IRC and Ministry of Road Transport and Highways (MoRTH) standards. Widened MDRs will help the state to conduct its operations at the time of any such disaster in future.
 - 6

- Sub-component 4.2:Livelihoods support (US\$12 million): This sub-component will support livelihood restoration for coastal families, including vulnerable, poor and women headed households, by reviving/improving mangroves in critical patches and support nurseries that would supply saplings for farm forestry and for creation of shelter belts/wind breaks.
- v) Component 5: Capacity building and technical supportfor disaster risk management - US\$35 million: This component will support investments to enhance the capabilities of GoAP entities and other stake holders in managing disaster risks, enhancing preparedness, and achieving resilient recovery. This component will support the following:
 - Sub-component 5.1: Capacity augmentation for disaster management (US\$25 million): This component will include activities such as: (i) strengthening the state's disaster response systems and mechanisms, as well as the capacity of the APSDMA in performing its core functions by setting up the State Advisory Committee, State Resource Centre for Disaster Management, strengthening the emergency response and communication system of the state agencies such as fire department, the state disaster response force and other immediate key response agencies in responding adequately to disaster situations through better search and rescue equipment, wireless communication, enhanced training, etc.; (ii) curriculum development and updating on disaster risk reduction for schools and governmental training institutions; and (iii) establishing a Community-Based Disaster Risk Management (CBDRM) program that would entail periodic mock drills, awareness programs, etc. to help communities better utilize risk mitigation infrastructure as well as be better to respond to any disaster event.
 - Sub-component 5.2:<u>Technical support for risk reduction and response</u> <u>preparedness</u> (US\$10 million): The component will include activities such as: (i) preparing a detailed vulnerability analysis of the cities and model various risks for effective mitigation planning and disaster response preparedness in consultation with community representatives and by applying local knowledge; (ii) carry out an in-depth assessment of the GoAP'sApathbandhu Insurance scheme (Accident Insurance Scheme for Below Poverty Line families), agriculture risk insurance, social safety nets and other such risk transfer mechanisms and develop recommendations for establishing an integrated program for risk transfer with emphasis on vulnerable populations: widowed households, vulnerable female – headed households, poor

households, SC (Scheduled Cast) and ST (Scheduled Tribe) households, and low – income households; (iii) update the design guidelines for infrastructure in several key departments by evolving better design standards that factor in the expected peak wind speeds and rainfalls, including material specifications for the infrastructure in coastal region.

vi) Component 6: Project implementation support - US\$25 million: This component will finance establishing and operating the Project Management Unit (PMU) and the Project Implementation Units (PIUs). In addition, the component will also finance consultancies required for the preparation and supervision of specific activities, monitoring and evaluation, trainings, exposure visits, studies on safety net practices in

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Project Components	Total Cost (US\$ M)	IDA Financing (US\$ M)	Financing
Total Financing Required		250.0	

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Note: Total may not match due to rounding.

PROCEEDINGS OF THE COMMISSIONER OF POLICE, VISAKHAPATNAM CITY.

Present: Amit Garg, IPS.

C.No.400 /CP/VSP@/2015

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Dt. 3 -12-2015

Sub: Police Commissionerate, Visakhapatnam City – Imposing restriction on over speeding of all vehicles plying on NH-16, SH and VMC Roads of Visakhapatnam City – Notification issued – Reg.

Ref: C.No.25/ADCP(T)/VSP/2015, dated 28-11-2015 of ADCP, Traffic, Visakhapatnam City.

It is reported by the Addl. Deputy Commissioner of Police, Traffic, Visakhapatnam City that number of road accidents are occurring on National High Way-16, State High way and other roads of G.V.M.C., Visakhapatnam City due to over speeding of the vehicles.

NOTIFICATION

I, Amit Garg, IPS, Commissioner of Police, Visakhapatnam City in exercise of powers vested in me u/s 31 of the Police Act (Control Act, 1861), r/w Section 115 & 116 of MV Act,1988 hereby issue the following notification.

These orders are issued in suppression of any other order issued from this office so far on this subject and the orders mentioned herein come into force with effect from 29-11-2015.

<u>ANNEXURE 4</u> SHEET 8

SCHEDULE OF NOTIFICATION

Imposing restrictions on speed limit of all vehicles plying on the following roads by fixing the speed limit as noted against each road.

Name of the Road Stretch	Speed limit required
	to be restricted.
NH-16 Road from Kurmannapalem	60 KMPH
to Kommadi	
NH-16 Road from Salapuvanipalem	70 KMPH
to Kurmannapalem	
NH-16 from Kommadi to	70 KMPH
Rajulapalem	
State Highway from Anandapuram	60 KMPH
to Pinagadi Jn. via Pendurthi	
Beach Road from Fishing Harbour	40 KMPH
till Rushikonda	
Beach Road from Rushikonda to	50 KMPH
Bheemili	
All other Municipal Roads	40 KMPH

(ÀMIT GARG) COMMISSIONER OF POLICE, VISAKHAPATNAM CITY.

Copy to 1

The Project Director, Visakhapatnam and Commissioner, GVMC,

Visakhapatnam with a request to arrange speed limit boards on NHAI and other roads of GVMC limits respectively.

The Collector and Metropolitan Magistrate, Visakhapatnam.

The Joint Collector, Visakhapatnam District.

The Vice Chairman, VUDA, Visakhapatnam.

The Superintendent of Police, Visakhapatnam District.

The Deputy Commissioner of Police, Visakhapatnam City.

The Deputy Transport Commissioner, RTA, Visakhapatnam.

The Revenue Divisional Officer, Visakhapatnam.

All the Asst. Commissioners of Police, Visakhapatnam City.

The Regional Manager, APSRTC, Visakhapatnam.

All the Police Officers of Traffic Division, Visakhapatnam City. All the Circle Inspectors L&O, Visakhapatnam City.

The President, Visakhapatnam District Lorry Owners Association, Kannathalli

Transport, DNo.43-20-27, TSN Colony Dondaparthi, Visakhapatnam-16. The President, Mini Transport Association(Mini van owners welfare Association), Beside Isukathota petrol bunk, Sector-4, MVP Colony, Visakhapatnam. The President, Sand supply lorries Association(Sri Srinivasa building materials Transport), DNo.54-4-57, Isukathota, Opp. ICICI Bank, Visakhapatnam. The Regional Director, Govt. Printing Press, Visakhapatnam with a request to publish the same in the District Gazette.

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GREATER VISAKHAPATNAM MUNICIPAL CORPORATION

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Design, Construction, Development, Finance, Operation & Maintenance of Various Plant, Equipment & Facilities for Recycling & Reuse the waste water from two STPs of 25 MLD & 38 MLD to bring the quality to the required standards of End Users, identify the buyers and sell the water to prospective buyers in the State of AP on Build Operate Transfer(BOT) basis – under PPP mode.

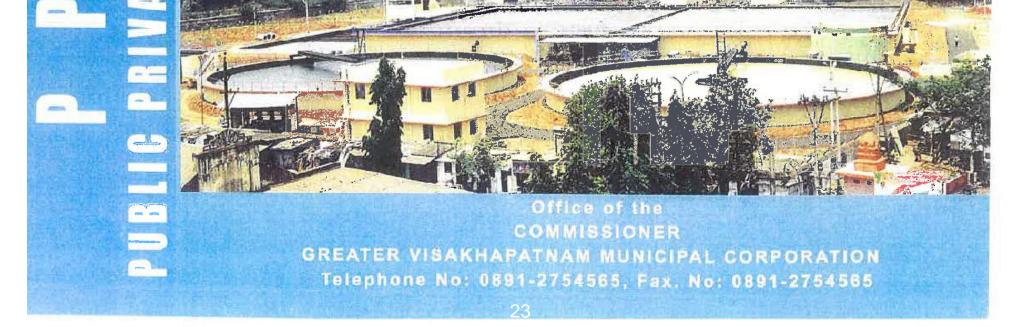
CONCESSION AGREEMENT No. __/2012-13/ CE/SE-II(P)/EE-II(UGD-P) Dated __

MIS. VISAKNAWATER RECLAMATION IN PRASTRUCTURE

Concession Agreement

ME-I

CONCESSIONAIRE



<u>ANNEXURE 4</u> SHEET 9

Agentino: 01/2012-13/commissioner/CE/SE-II(P)/EE(ugo-P)/GUMC/PPP Dt 25-07-2

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Msakha water Reclamation In Acustructure Art. Ltd.

AK 469668 L. No. 58/2172/B3/96

Plot No. 1076, 'O' T.V.S. Colony CHENNAI-600 101

-: CONCESSION AGREEMENT FORM :-

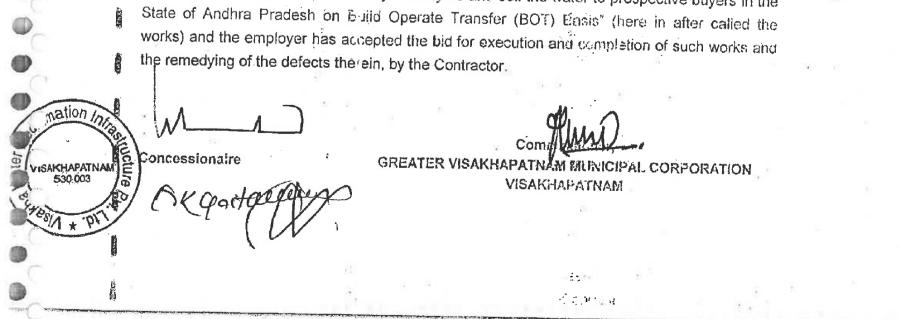
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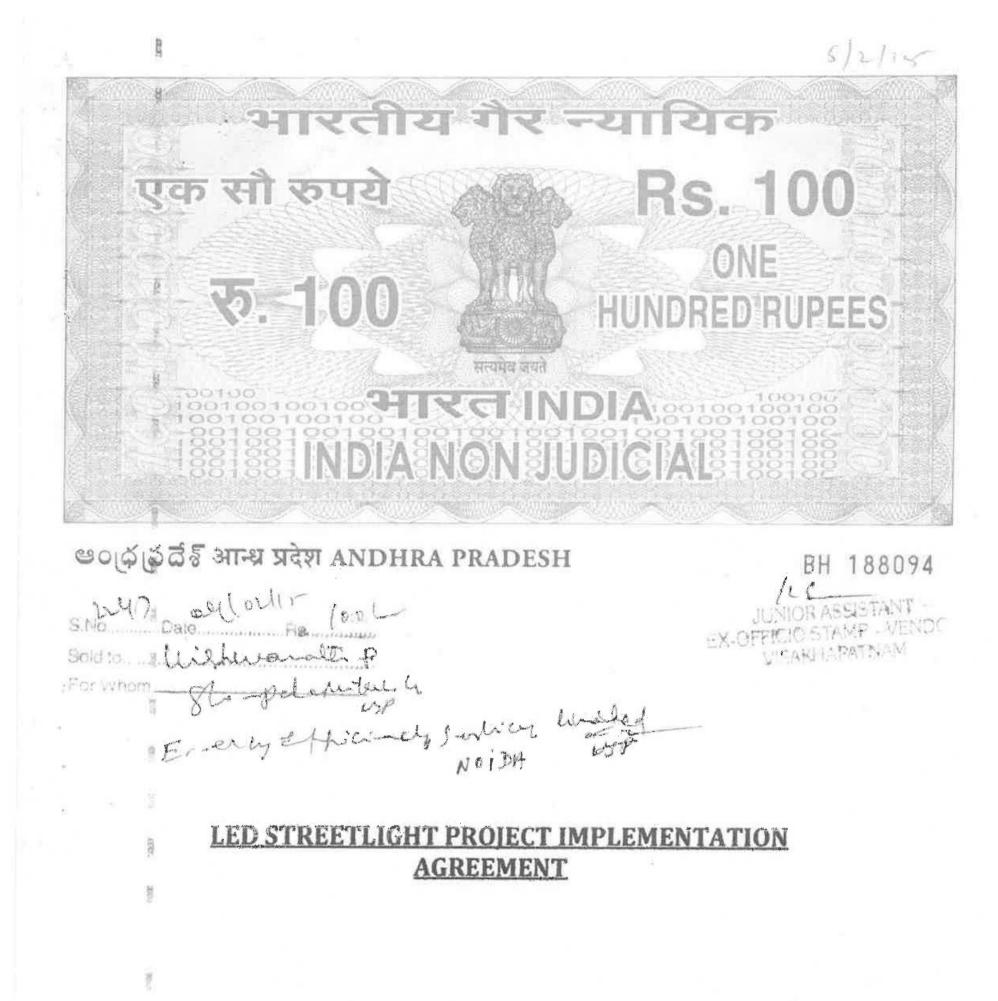
DATE : 25.07.2012

CD

This Supplemental agreement made the , th day of JuLY, 2012 between the Commissioner, GREATER VISAKHAPATNAM MUNICIPAL CORPORATION, Visakhapatnam (here in after called the employer) and the VISAKHA WATER RECLAMATION INFRASTRUCTUTRE PRIVATE LIMKITED LIMITED. Visakhapatnam (here in after called the Concessionaire of the other part)

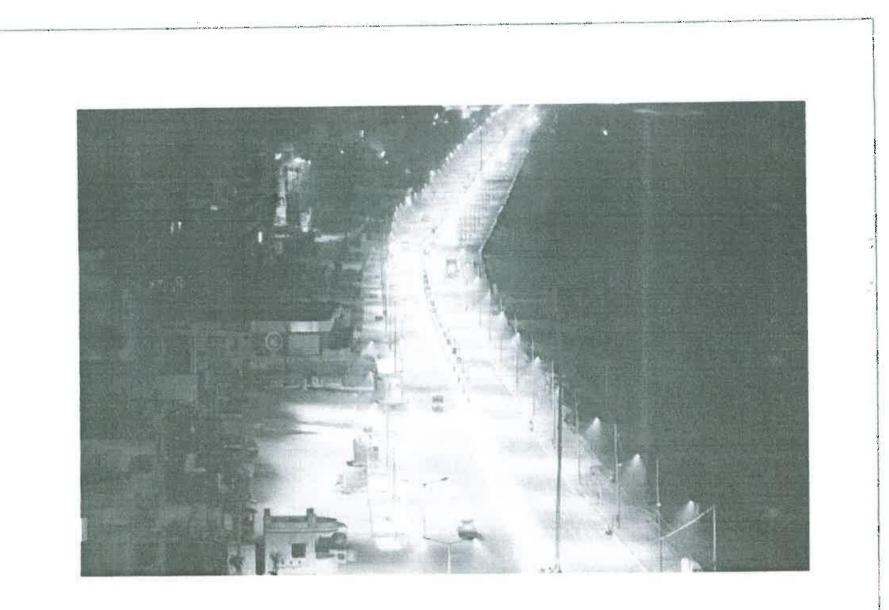
Where as the employer is desirous that contractor execute the work " "Design, Construction, Development, Finance. Operation and Maintenance of various Plant, Equipment and Facilities for Recycling and Reuse the waste water, from Two STPs of 25 MLD & 38 MLD including Operation and Mair tenance of these two STPS, to bring the quality to the required standards, of the End Users, identify the buyers and sell the water to prospective buyers in the







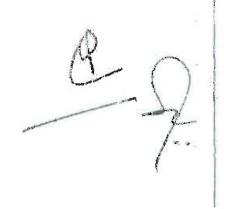
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LED STREETLIGHT PROJECT IMPLEMENTATION AGREEMENT

--- BETWEEN ----

GREATER VISAKHAPATNAM MUNICIPAL CORPORATION



ENERGY EFFICIENCY SERVICES LIMITED (EESL)

- AND -

4TH FLOOR, IWAI BUILDING, A-13, SECTOR-1, NOIDA-201301, (UP)

F. No N-11011/46//2015- HFA-3 (FTS 14150) Government of India M/O HOUSING & URBAN POVERTY ALLEVIATION (HFA DIRECTORATE)

> Nirman Bhawan, New Delhi, Dated: 26 November, 2015

OFFICE MEMORANDUM

Sub: Minutes of the 3rd meeting of the Central Sanctioning-cum-Monitoring Committee (CSMC) for Pradhan Mantri Awas Yojana (PMAY) Urban.

The undersigned is directed to forward herewith a copy of the minutes of the 3rd meeting of the Central Sanctioning-cum-Monitoring Committee (CSMC) for Pradhan Mantri Awas Yojana (PMAY)-Housing for All (Urban) Mission held on 18th November, 2015 at New Delhi with Secretary, Ministry of Housing & Urban Poverty Alleviation in chair, for information and necessary action.

Ends

(Vinod Gupta) Under Secretary to the Govt. of India Tel: 011- 23062859

Encl: As above

To,

Members of the CSMC as follows:

- 1. Secretary, Ministry of Urban Development, Nirman Bhavan, New Delhi
- 2. Secretary, Department of Expenditure, Ministry of Finance, North Block, New Delhi.
- 3. Secretary, Ministry of Social Justice and Empowerment Shastri Bhavan, New Delhi.
- 4. Secretary, Department of Health and Family Welfare, Nirman Bhawan, New Delhi.
- 5. Secretary, Department of Financial Services, Ministry of Finance.
- 6. Secretary, Ministry of Labour & Employment, Shram Shakti Bhawan, New Delhi
- 7. Secretary, Ministry of Minority Affairs, Paryavaran Bhawan, New Delhi
- 8. Joint Secretary (UPA), MoHUPA.

9. Joint Secretary (Housing), M/o HUPA

10. Joint Secretary and Financial Adviser, Ministry of U D & M/o HUPA, Nirman Bhavan, New Delhi.

11. Mission Director (Smart Cities), MoUD.

12. Joint Secretary & Mission Director - in charge of HFA, MoHUPA

Special Invitees:

- 1. The Secretary to Government, Housing Department, Govt. of Andhra Pradesh.
- 2. The Secretary, Housing and Urban Development Department, Government of Tamil Nadu, Secretariat, Chennai 600009.
- 3. The Principal Secretary to Government, Municipal Administration & Urban Development Department, Government of Telangana, D-Block, 1st Floor, Secretariat, Hyderabad- 500022
- 4. The Principal Secretary, LSG&CEO, RUIFDCO, Government of Rajasthan.
- 5. The Secretary to Government, Housing Department, Government of Gujarat, 3rd Floor, . Pragatinagar, Naranpura, Ahmedabad-380013.
- 6. RICS School of Built Environment, Amity University, Noida.
- 7. Central Building Research Institute (CBRI), Roorkee.

Copy to:

- 1. CCA, M/o (UD & HUPA)
- 2. CMD, HPL
- 3. ED (BMTPC), India Habitat Centre, Lodhi Road, New Delhi
- 4. DCP (Projects), HUDCO, India Habitat Centre, Delhi
- 5. Director-(HFA-1), M/o HUPA
- 6. Deputy Secretary (IFD)
- 7. Deputy Secretary-HFA-4
- 8. Deputy Secretary-HFA-3
- 9. Under Secretary-HFA-1
- 10. Under Secretary-HFA-2
- 11. Under Secretary-HFA-4

(Vinod Gupta) Under Secretary to the Govt. of India

Copy also to:-

- 1. PPS to Secretary (HUPA)
- 2. PS to JS (UPA)
- 3. PS to JS (H)
- 4. P.S. to D G (NBO)
- 5. G.M (Projects), HUDCO, India Habitat Centre, Delhi
- 6. Head PMU, HFA mission.
- 7. Section Officer-HFA-1/HFA-2 /HFA-3/HFA-4
- 8. Accounts Officer (JNNURM/HFA)

Barris,

(Vinod Gupta) Under Secretary to the Govt. of India

Agenda 4: Consideration for approval of Central Assistance for the 78 Projects submitted by Government of Andhra Pradesh under Affordable Housing in Partnership.

6.1 JS&MD submitted that Agenda No. 4 is for consideration of 78 AHP projects submitted by Government of Andhra Pradesh and requested Secretary (Housing) and Mission Director, Government of Andhra Pradesh to give further details.

6.2 Secretary (Housing), Government of Andhra Pradesh made a detailed presentation on housing requirements both in rural and urban areas in Andhra Pradesh as well as on the strategy being adopted by Government of Andhra Pradesh for meeting

Page 4 of 14

the housing shortage. He submitted that Government of Andhra Pradesh is focussed on providing housing for all using innovative building technologies for achieving faster and better construction. He further submitted that though the present CSMC's agenda is for 78 AHP projects in 38 cities consisting of 1,20,106 houses, State Government requests CSMC to consider 32 beneficiary led construction projects submitted by State along with these 78 AHP projects. The State Secretary cited the strength of Government of Andhra Pradesh in implementing beneficiary led construction projects in past.

6.3 Chairperson permitted Secretary (Housing) of Andhra Pradesh to present 78 AHP projects followed by a presentation on 32 beneficiary led projects.

6.4 Secretary (Housing), Government of Andhra Pradesh highlighted following points while making presentation on proposals:

- (i) These projects will be implemented by Andhra Pradesh State Housing Corporation Ltd (APSHCL). The State Government reported sufficiency of expertise and technical resources in implementing state-wise projects.
- (ii) State Government land is being made available for all these projects.
- (iii) Operational and Maintenance of all these projects in the first 2 years will be the responsibility of State Government implementing agency. Thereafter the houses will be maintained by individual beneficiary on their own or through some collective mechanism.
- (iv) It was submitted that State Government has prepared quality assurance plans which will be implemented for these projects.
- (v) He further informed that State will use innovative and disaster resistant technology in implementing these projects. Infrastructure will be provided by

concerned ULBs/concerned State Government agencies in all these projects and projects will be completed in 2 years.

(vi) On the question of 13 projects with less than 250 houses, Secretary (Housing), Government of Andhra Pradesh explained that out of 13 projects, 9 projects are in one city which collectively have more than 250 DUs if entire city is taken into account and only 4 projects have less than 250 houses if taken on city basis. On the question of adversity to cost economics in implementing these small projects, Page 5 of 14

he assured that since these projects are being implemented across the State, there will be no adversity to cost economics in implementing these projects. CSMC agreed to the submission of Government of Andhra Pradesh in relaxation of para 6.4 of the Guidelines.

- (vii) Secretary (Housing), Government of Andhra Pradesh further informed that cost of the houses is expected around Rs. 5.5 Lakhs. Gol assistance of Rs. 1.5 lakh will be factored in while finalising the cost to the beneficiary. Government of Andhra Pradesh is providing land free of cost and in addition, it is contemplating financial assistance of Rs. 1 lakh to Rs. 1.5 lakh and in that case final cost to the beneficiary will range from Rs. 2.50 lakhs to Rs. 3.00 lakhs.
- SLSMC has approved these projects in its meetings held on 30.10.2015 and (viii) 03.11.2015 respectively.

CSMC, after detailed deliberation approved total Central Assistance amounting to 6.5 Rs. 1,80,159.00 Lakhs (Rs. One lakh eighty thousand and one hundred fifty nine lakhs only) @ 1.50 Lakhs per EWS house for 1,20,106 EWS houses of 78 AHP projects in 38 cities approved by the SLSMC of the State Government of Andhra Pradesh. The details of the projects are at Annexure-5. CSMC also approved release of first instalment of 40% of amount of Central assistance i.e. Rs.72,063.60 Lakhs. CSMC also noted that Government of Andhra Pradesh will extend financial assistance of Rs. 1.0 Lakh to Rs. 1.5 Lakh per DU and cost to the beneficiary will range from Rs. 2.5 lakh to Rs. 3.0 Lakh.

6.6 CSMC also observed the following for compliance from the State Government

- (i) List of beneficiaries should be finalised along with their social and other categories before release of 2nd instalment. Beneficiary should be identified as per Mission Guidelines with adherence to all criteria.
- State and ULB need to ensure availability of infrastructure and deploy disaster (ii)

resistant features in implementing these projects.

(iii) Since financing of these projects also depends on contribution from beneficiary,

therefore these AHP projects should be started on ground only after minimum

number of beneficiaries have booked their houses in these projects.

Page 6 of 14

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- (viii) SLSMC has approved these projects in its meetings held on 30.10.2015 and 03.11.2015 respectively.

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- List of beneficiaries should be finalised along with their social and other categories before release of 2nd instalment. Beneficiary should be identified as per Mission Guidelines with adherence to all criteria.
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number of beneficiaries have booked their houses in these projects.

Page 6 of 14

S.No.	Ward No	Name Of The Slum	Ownership Of Land	Dwelling Units Requirement	Remarks
1.	17	Adarsa Gramam	State Govt	72	Proposed in G+2 pattrer
	-				Since house constructio is not permitgted under
2	17	Pedda Jalari peta	State Govt	500	CRZ regulations, units proposed for hut dwellers under HUDHUD
. Susana	a data - a		pose	un le ity us	in revenue land identified near Kailasagiri
			i Gina. A A		Since the land is vested with GVMC under
3	20	ANGATI DIBBA	Waqf	358	the notification issued for slum development, insitu housing units are
		In all other 20	- 196 ⁻ 19.		proposed.
4		slums Total		200 1 130	

	ABSTRACT	·····
No.of Housing Units proposed unde	r PMAY /HFA	: 1130
Unit Cost per each House		: Rs.4,80,000/-



Government of Andhra Pradesh Municipal Administration & Urban Development Department

MINUTES OF THE 2nd MEETING OF THE HIGH POWERED STEERING COMMITTEE (HPSC) HELD ON 9.12.2015 AT 6:00 PM IN THE CONFERENCE HALL OF THE CHIEF SECRETARY TO GOVERNMENT, GOVERNMENT OF ANDHRA PRADESH, SITUATED AT L BLOCK,7th Floor, A.P. SECRETARIAT, HYDERABAD.

Sri I.Y.R. Krishna Rao, I.A.S., Chief Secretary to Government.	- Chairman			
Sri Karikal Valavan, I.A.S., Principal Secretary, MA&UD.	- Mission Director			
Sri Ravichandra, I.A.S., Secretary to Govt, Finance Dept.	- Member			
Sri. K. Kanna Babu, I.A.S., Managing Director, APUFIDC.,	- Member			
Dr. P Pandurungarao Engineer-in-Chief, PH, A.P.	- Member			

The Principal Secretary to Govt., MA&UD. & the Mission Director and Member Secretary of the High Powered Steering Committee of Smart Cities Mission, AP. honored the Chief Secretary & Chairman of the Committee to chair the 2nd HSPC Meeting, and also welcomed the other Committee Members, Senior Officers, and Participants.

The Chief Secretary & Chairman of the High Powered Steering Committee of the Smart Cities Mission, AP chaired the 2nd H.S.P.C Meeting and welcomed all the

Committee Members, Prl. Secretaries, Commissioners of the Smart Cities and participants, and invited to proceed further.

The Mission Director & Member Secretary outlined the objective of the 2nd High Powered Steering Committee as to consider and approve the Smart City proposals (SCPs). The SCPs are prepared by the three Challenging Cities of Tirupati, Kakinada and Visakhapatnam for submitting to the Ministry of Urban Development, Government of India. The last date for submission of SCPs is 15th December, 2015

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and upon their submission, the three cities would be considered for the Stage II of the Smart City Challenge. He briefed the process the Cities followed in preparing the SCPs , and also introduced to the Committee the Consultants selected by the Cities for SCP preparation viz., AECOM India Ltd. by Visakhapatnam, IIDC by Kakinada and Lea Associates by the Tirupati City. The Mission Director requested the three Commissioners to make their presentations before the Committee.

The three Mission Cities made a detailed Power Point Presentation on their Smart City Proposals. The presentations covered in various dimensions of each City - Geographical, Sociological, Economical features, Urbanization Trends over the years, and the present level of development specifically in core areas. They analyzed very intensively on the strengths and scope for development that is assessed from the perspective of various cross sections and interested Groups in the City. The presentations elaborated the scientific and transparent methods they adopted for generating public opinion as to what is a smart city for them. The Commissioners also deliberated on the Development strategy suitable for the City whether Area Based Development, or Retrofitting or Redevelopment or a Greenfield model. The presentations covered Pan-city initiatives with smart solutions. The Financial proposals are also placed before the Committee.

Smart City Proposals of Tirupati :

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Sri Vinay Chand, IAS., Commissioner Tirupati Municipal Corporation placed SCP of Tirupati City before the HPSC. Under the Mission, Area Based Approach is proposed for making Tirupati a Smart City. He explained that considering the Geographical setting of the city surrounded by hills and dense forest, importance as religious destination and the need and demand by its compact areas for improved and better mobility and urban public transport, the Area Based Approach would be the ideal model for Tirupati. In the Financial proposal, the total Project outlay is

projected as Rs.2629 crores which is the total of the shares of Government of India, State Government and the Tirupati City.

Resolved : The Committee considered Smart City Proposal in its entirety. It is observed that the Proposal contain essential features as indicated in the Smart City Guidelines of the GoI. After due deliberations and review, the High Powered Steering Committee approved the Smart City proposal of Tirupati. The Financial plan for Rs 2,629 Crs is also approved.

Smart City Proposal of Vishakhapatnam

Sri Praveen Kumar, IAS., Commissioner, Visakhapatnam Municipal Corporation submitted the Smart City Proposal before the HPSC. Area Based Approach is proposed for the City Development under the Mission. He explained that in the other two models of Retrofitting, and Redevelopment the issue of High Project Cost, and Land acquisition involved and would go beyond the financial out lay of the Smart City Mission. In Financial proposal the total Project outlay is projected as Rs.1584 crores which is the total of the shares of Government of India, State Government and the Visakhapatnam.

Resolved: The Committee considered Smart City Proposal of contain essential features Visakhapatnam in its entirety. The Proposal outlined in the Smart City Guidelines of Gol. After due deliberations and review, the High Powered Steering Committee approved the Smart City The financial plan for Rs 1584 Crs for Visakhapatnam is also proposal. approved.

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Visakhapatnam Smart City

APEDCL: The Commissioner, Vishakapatnam explained to the Committee that approvals of the Energy Department is required to implement the projects relating to the Smart Meters and Underground wiring in the selected areas under Integrated Power and to extend its policy of buying the power from the property owners under net metering approach to the SPV. The Missioner Director informed that MAUD Department requested the Secretary, Energy to include the Proposal in the IPDS , and that he agreed to the same. The Committee approved and resolved to include the proposal in the SCP.

The 2nd High Powered Steering Committee considered and approved the three Smart City Proposals . All the proposals of three Smart Cities requiring inter departmental convergence are also approved to be included in the SCP.

The meeting adjourned with a vote of thanks to the Chair.

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State Mission Director Principal Secretary to Government Municipal Administration and Urban Development Department Government of Andhra Pradesh A.P. Secretariat; Hyderabad - 500 022.

Chairman

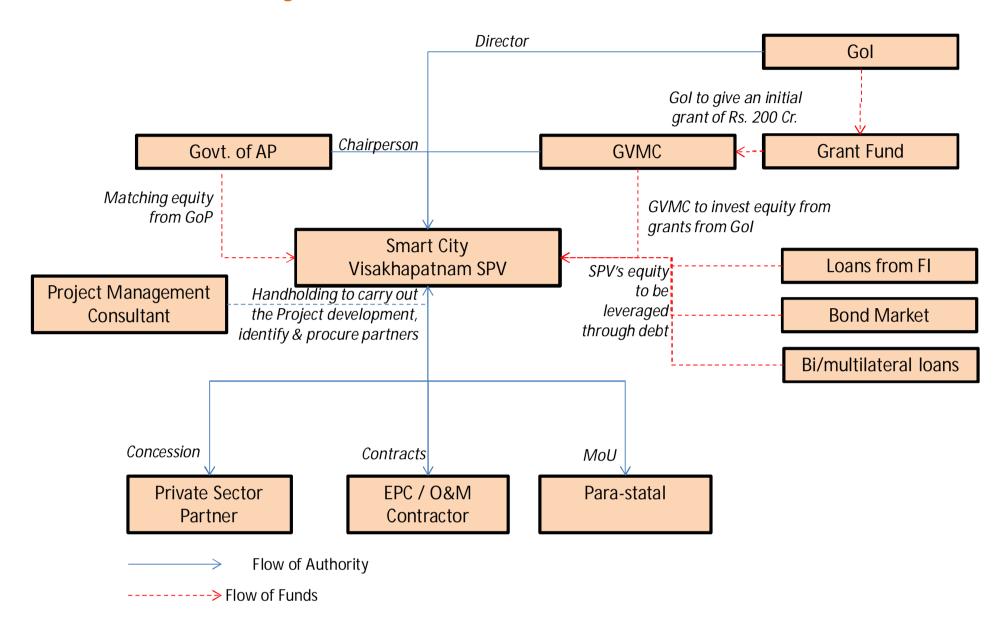
Chief Secretary Govt. of Andhra Pradesh A.P. Secretariat, Hyderabad-22.

Other Officials present:

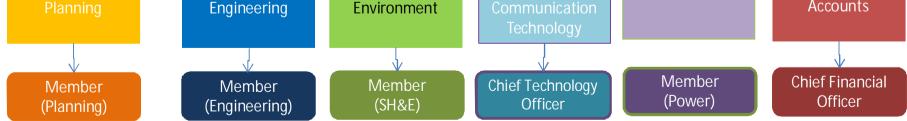
- Sri. B. Sambob, I.A.S., Spl. C.S, T, R & B Department
- Sri. Manmohan Singh, I.A.S., Principal Secretary, AHDD&F, Home
- Sri. L. Agarwal, I.A.S, Secretary (Housing), Housing Department
- Sri. Pravin Kumar, I.A.S., Commissioner, GVMC
- Sri. Dr. T. Babu Rao Naidu, I.A.S., Vice-Chairman, VUDA
- Sri. V. Vinay Chand, I.A.S., Commissioner, Tirupati Municipal Corporation
- Sri. R. Sasidhar, Director (CA), APSRTC
- Sri. K. Ranganathan, Advisor, Energy, DCMC
- Sri. S. Aleem Basha, Commissioner, Kakinada Municipal Corporation
- Sri. G. A. Srinivas, ED, A.P Tourism

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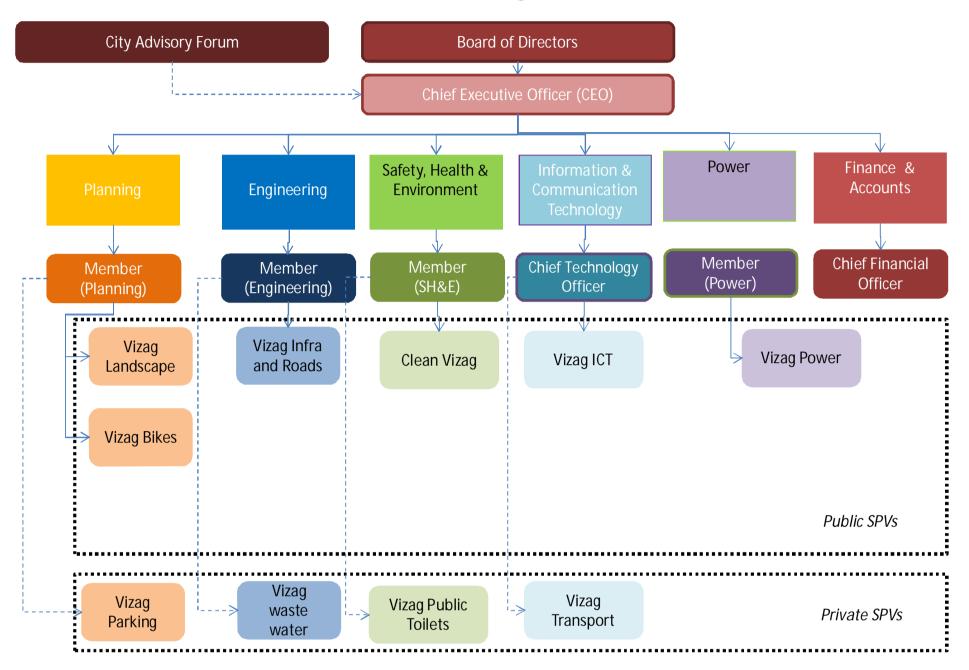
Preliminary Human Resource Plan for the SPV







Institutional Arrangement for SPV



Institutional Arrangement for SPV Public Child SPVs (Public)

SN	SPV Name	CEO	Projects	Convergence	Cost (Crs.)
1	Vizag Infra & roads	Member (Engineerin g)	Footpaths; Water Supply (24x7); Sewage (UGD); Storm water Drains; Roadside Drains	AMRUT	65.55
2	Vizag Landscape	Member (Planning)	Green spaces, landscaping, tree plantation, Shore Protection along Beach Road; Beach Beautification Project; Retrofitting of VUDA Park; Refurbishing of Rajeev Memorial + Solar Rooftop; Community Toilets; Housing for all	apdrp, amrut, SBM, pmay,	536.80
3	Vizag Bikes	Member (Planning)	Transportation (Public Bike Sharing+Bike Charging Stations); E-Rickshaws	AMRUT	34.90
4	Clean Vizag	Member (SH&E)	Waste Management; Pollution Monitoring Systems	SBM	4.91
5	Vizag Power	Member (Power)	Underground Wiring; Solar Roof Top; Smart meter; Solar City fund	IPDS, SCM, APDRP	582.25
6	Vizag ICT	СТО	Disaster + E-Governance; Area based ICT Solutions; Science Labs in GVMC Schools	Digital India	196.50
	Total				1439.07

Child SPVs (Private)

SN	SPV Name	Initial CEO	Projects	Cost (Crs.)
	1 Vizag Parking	Member (Planning)	Multi level Car Park +retail outlets on multiple Plots + Solar Rooftop	66.90
	2 Vizag Recycle water	Member (Engineering)	Recycle Water Supply	62.50
	3 Vizag Public toilets	Member (SH&E)	Public Toilets (10 no. with 10 seats & Solar roof top); Community Toilets in slums	6.40
	4 Vizag Transport	СТО	Smart Signalling & Traffic surveillance + Command/Data Centre; Centrally controlled Monitoring System for Street Lighting	27.00
	Total			162.80

Statement Showing the Complaint Status of all Zones During 2013 to 2015

Zone	Total Complaints	Resolved	Forwarded	Dept.Pending	Invalid	Resolved %
1	2938	2870	0	0	68	96.9
2	2766	2632	0	13	121	9
3	1457	1406	0	3	48	95.
4	1967	1921	0	0	46	97.
5	1266	1128	0	41	97	95.8
6	1130	1105	0	3	2.2	93.(
Total ar 2014	11524	11062	0	60	402	95.99
Total	11524 Total Complaints	11062 Resolved	0 Forwarded	60 Dept.Pending	402 Invalid	95.99 Resolved %
Total ar 2014		r				Resolved %
Total ar 2014 Zone	Total Complaints	Resolved	Forwarded	Dept.Pending	Invalid	5
Total ar 2014 Zone 1	Total Complaints 2933	Resolved 2843	Forwarded 0	Dept.Pending 16	Invalid 74	Resolved % 96.1 9
ar 2014 Zone 1 2	Total Complaints 2933 2628	Resolved 2843 2548	Forwarded 0 0	Dept.Pending 16 15	Invalid 74 65	Resolved % 96.
ar 2014 Zone 1 2 3	Total Complaints 2933 2628 1234	Resolved 2843 2548 1178	Forwarded 0 0 0	Dept.Pending 16 15 17	Invalid 74 65 39	Resolved % 96. 9 95.
Total ar 2014 Zone 1 2 3 4	Total Complaints 2933 2628 1234 2303	Resolved 2843 2548 1178 2255	Forwarded 0 0 0	Dept.Pending 16 15 17 9	Invalid 74 65 39 39	Resolved % 96. 9 95. 97.

Zone	Total Complaints	Resolved	Forwarded	Dept.Pending	Invalid	Resolved %
1	2387	1950	196	173	68	81.7
2	3603	3387	132	38	46	94
3	2648	2352	155	52	89	88.8
4	3549	2885	213	392	59	81.3
5	1581	1326	74	119	62	83.9
6	2806	2506	59	189	52	89.3
Total	16574	14406	829	963	376	86.91

Abstract Statement

2. V	Total Complaints	Resolved	Forwarded	Dept.Pending	Invalid	Resolved %
3 Years	39666	36618	829	1101	1118	92.31

Statement Showing the Complaint Status of all Zones Department wise

During 2013 to 2015

Department	Total Complaints	Resolved	Pending	Invalid	Resolved %
Electrical	5741	5623	1	117	97.9
Engineering	542	448	69	25	82.7
Grievance Cell	574	491	20	63	
Horticulture	50	49	1	0	
I.T.Department	540	539	1	0	99.8
Paper Cutting	2	2	0	0	100
Public Health	1642	1591	2	49	96.9
Public Health Vet	725	715	10	0	98.6
Revenue Section	65	56	3	6	86.2
Town Planning	955	867	88	0	90.8
Water Supply	652	642	10	0	98.5
Total :	11488	11023	205	260	95.95

Year 2014					
Department	Total Complaints	Resolved	Pending	Invalid	Resolved %
Electrical	6404	6248	10	146	97.6
Engineering	764	663	62	39	86.8
Grievance Cell	772	551	189	32	71.4
Horticulture	89	89	0	0	100
I.T.Department	82	82	0	0	100
Paper Cutting	1	1	0	0	100
Public Health	1821	1778	1	42	97.6
Public Health Vet	910	892	2.	16	98
Revenue Section			0		
Town Planning	827	759	0	68	8.2
Water Supply	831	805	3	23	96.9
Total :	12501	11868	267	366	94.93

Year 2015 upto 13-12-15

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Department Total Complaints Resolved Pending Invalid Resolved % Electrical 9399 8201 992 87.3 206Engineering 1330 841 431 58 63.2 Grievance Cell 1642 450 1191 1 27.4 Horticulture 14 5 9 0 35.7 I.T.Department 6 4 2 0 66.7 Paper Cutting 0 0 0 0 Public Health 2373 2152 198 23 90.7 Public Health Vet 1326 1309 16 1 98.7 **Revenue Section** 18 10 8 Ü 55.6 **Town Planning** 1276 1100 79 97 86.2 Water Supply 1148 982 151 15 85.5 Total : 18532 15054 3093 385 81.23

Abstract Statemen	: for 3 years i.e. 2013 t	<u>o 2015</u>			
Department	Total Complaints	Resolved	Pending	Invalid	Resolved %

12524	270/E	2565	AMAA	89.23
2631	2429	164	38	92.32
3058	2726	185	147	89.14
83	66	11	6	79.52
2961	2916	28	17	98.48
5836	5521	201	114	94.60
3	3	0	0	100.00
628	625	1	2	99.52
153	143	10	0	93.46
2988	1492	1400	96	49.93
2636	1952	562	122	74.05
21544	20072	1003	469	93.17
	2636 2988 153 628 3 5836 2961 83 3058 2631	2636 1952 2988 1492 153 143 628 625 3 3 5836 5521 2961 2916 83 66 3058 2726 2631 2429	2636 1952 562 2988 1492 1400 153 143 10 628 625 1 3 3 0 5836 5521 201 2961 2916 28 83 66 11 3058 2726 185 2631 2429 164	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

IT Modules in GVMC

- Collection Module (Taxes): Collection of all Taxes like House, Tap, Leases etc.,
- Counter Module (Non-taxes): Collection of all Non-Taxes like BA,EMD etc.,
- ✓ **Taxation:** For New ML's, Enhancements and Title Transfers etc., Using Tablet PC and Web Application
- Leases: Registering / generating of new shop keys and New Complexes etc.,
- Accounts: Budget Booking of Gen Code, Checking the budget for the bills etc.,
- EMS: Registration of New bills, Voucher Id, Sanction Order & Budget Checking etc.,
- ✓ Payroll: Creation of new Employee, Generating Salary/ Supplementary Bills, Loan
- Details, Quarter's allotment details, Report generations of employees etc.,
- ✓ Water Supply Management System: Generating New water key, Modifications etc.,
- Water Supply Monitoring System: Monitoring the status of the water reservoirs levels & Updating of the reservoir levels
- ✓ Building Plan Approval: Drawings of the building plans will be approved by the

Town planning section basing on the town survey numbers

- D & O Trades: Generating License for the trades etc.,
- Complaints: Complaints Redressal is done through call center.
- Contractor: Registration of Contractor, Modifications etc.,
- File Monitoring System: Work bills stages can be tracking etc.,
- BPS: Registering of new building etc.,
- UGD: Generation of UGD Key and creation of tax for UGD etc.,
- ID Bond (taxes & water charges): Generating new Id Bond key/water charge etc.,
- Dial A Tanker: Key is generated while booking a tank, Amount is added to the collection module application,
 When water is supplied to the booking address, the key stage will be closed.
- ✓ Internal / External Website: All sort of links are provided in the portal & Modifications are done on timely basis.
- Reports: Depending upon the login related reports are displayed.
- ✓ E-suvidha Web Service: Provided Web services to Meeseva for collection of Taxes.
- Online and Mobile(APP) Payments through Credit, Debit and Net Banking.
- ✓ Adhar Reports.
- IHHL Toilets Reports and Payments in coordination with Swatcha Bharat.
- ✓ Kiosk for GVMC Information and Smart City Survey.
- Provided Web services to CDMA for Collection reports and Others.
- ✓ Provided Web services to Softtech Engineers Pvt.Ltd for BPS application development.
- ✓ Marriage Certificate Application.
- ✓ Implementing E-Office

GOVERNMENT OF ANDHRA PRADESH

POLICE DEPARTMENT To

From

K.Mahendra Patrudu,	24	The Commissioner,
Addl. Dy. Commr. of Police,	1	GVMC,
Traffic, Visakhapatnam City.		Visakhapatnam.
C.No.147 ADCP(T)/VSP C/	2015, dated: 10-12-2015
and the second se		

Sir,

- Sub: Police Commissionerate Visakhapatnam City Information with regard to road accidents occurred in the surrounding areas of RK Beach for the years 2011 to 2015 upto November -Submission – Reg.
- Ref: Letter of Commissioner, GVMC, Visakhapatnam, dt.08.12.15.

* * *

With reference to the subject cited, the information is pertaining to the road accidents occurred in the surrounding areas of RK Beach i.e from Coastal battery Jn. to Pedawaltair depot Jn. on beach road, Pedawaltair Depot Jn. to Visakha Eye hospital Jn., from Visakha Eye hospital to Watch house Jn., from Watch house Jn. to Coast battery down Jn. for five years from 2011 to 2015 upto November is illustrate below as requested.

	2011		
Type accident	Reported	Deaths	Injured
Fatal accident	11	11	5
Non-fatal accident	50		55
Total	61	11	60

Tupe accident	2012 Perpeted	Deatha	Iniunad
Type accident	Reported	Deaths	Injured
Fatal accident	12	12	
Non-fatal accident	44		54
Total	56	12	54

19-14

	2013		
Type accident	Reported	Deaths	Injured
Fatal accident	07	07	02
Non-fatal accident	53		64
Total	60	07	66

	2014		
Type accident	Reported	Deaths	Injured
Fatal accident	13	14	11
Non-fatal accident	42		45
Total	55	14	56

0015

	2015	1	1
Type accident	Reported	Deaths	Injured
Fatal accident	11	11	01
Non-fatal accident	38		48
Total	49	11	49

Yours faithfully, Addl. DV. Commissioner of Police, Traffic, Visakhapatnam City.

S.No	Name of the Project	Project Cost Rs. In Cr	Present Status
1	Replacement of Thatipudi Pipeline	66.05	Completed
2	Pipeline from TSR to Kommadi	23.4	Completed
3	Gajuwaka - Augumentation of Water Supply	48.31	Completed
4	Gajuwaka - refurbishment of Water Supply	46	Completed
5	Water Supply to 32 peripherals areas	253.07	90% Completed. Target date of complition 3/2016
6	Refurbishment of Water Supply in Old City area.	47.93	90% Completed. Target date of complition 3/2016
7	Refurbishment of Water Supply in North East Central City area.	190.18	85% Completed. Target date of complition 3/2016
8	24/7 Water Supply South West Central City	83.49	34% Completed. Target date of complition 12/2016

WATER SUPPLY PROJECTS TAKEN UP UNDER JNNURM

Total

2

łr

758.43

WATER SUPPLY PROJECTS PROPOSED WITH ADB FUNDS IN GVMC

SI.No	Name of the Project	Project Cost Rs. In Cr	Funding Agency	Remarks
1	24/7 Water Supply in North West Central City	350	ADB Funds (VCIC- Tranche-I)	DPR Submitted to Government and is under consideration for approval with ADB under Tranche-I of VCIC
2	Comprehensive Water Supply Scheme in Anakapalle & 5 Surrounding Panchayats	55.7	ADB funds (VCIC- Tranche-I)	DPR Submitted to Government and is under consideration for approval with ADB under Tranche
3	Comprehensive Water Supply Scheme in Bheemili	188.00	ADB funds (VCIC- Tranche-I)	DPR Submitted to Government and is under consideration for approval with ADB under Tranche
4	10 TMC pipe line from Yeleswaram to Narava	1739.43	ADB Funds (VCIC Tranche-I)	DPR Submitted to Government and is under consideration for approval with ADB under Tranche-I
5	Pipe line from Raiwada to Narava	380.72	ADB FUNDS (VCIC Tranche-II)	DPR Submitted to Government and is under consideration for approval with ADB under Trancho II

F





97% Increase	790KM	390KM		400KM		b) Feeder Mains and other Trunk Mains	
100% Increase	2800KM	1400KM		1400KM		a) Distribution	
						Pipelines	ω
90% Increase	156080KL	74080KL	78	82000KL	278	ELSRs/GLSRs	2
59.9% Increase	106.64 MGD	39.94 MGD	4	66.7 MGD	7	Water Treatment Plants	
	Capacity	Capacity	Nos	Capacity	Nos	Details of Infrastructure	SI.No
Remarks	Total	Newly Created/Being Created Infrastructure	Newly Cre Created Inf	Existing	Exis		
RM	IS UNDER JNNU	E RECENT YEAR	REATED IN TH	RASTRUCURE	EK SUPPLY INF	DETAILS OF WATER SUPPLY INFRASTRUCURE CREATED IN THE RECENT YEARS UNDER JNNURM	

DETAILS OF WATER SUPPLY INFRASTRUCURE CREATED IN THE RECENT YEA ٦ ō.

GREATER VISAKHAPATNAM MUNICIPAL CORPORATION

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	PAID			2004		65	Bonds	Godavari Bonds from LIC of India	
						359.67	TOTAL	GRAND TOTAL	<u>କ</u>
30th Nov						170			≞ -
31st Aug									
31 st May									
28th Feb	Quarterly	10.25%	30/11/2027	31/5/2014	15	70	Loan	HUDCO	5
2014 to 2027									
26 Half years from									
31st Aug.									1
28th Feb.	Quarterly	10,0070							-
2013 to 2025	Quartarly	10 22%	31-08-2025	02-10-11	15	100	Loan	HUDCO	4
26 Half years from									
13-09-2018								בנט. חעשיו משמט	1
13-09-2017	13th March	9.50%	13-09-2018	13-09-2010	00	30	Bonds	Company Pvt.	ω
13-09-2016	13+6 600+							Darashaw &	_
30th Dec.									
30th Jun.	Monthly basis	11.50%	30-00-2025	0107-90-0C	Ľ	03.07			
2013 to 2025				0101 00 00	n A	73 09	nco l	Rank of India	2
23 Half years from									
31-10-2016	31st Uctober								
31-10-2014	30th April,	11%	31-10-2016	27-10-2008	00	70	Bonds	LIC of India, Mumhai	4
	interest	month							
	payment of	Rate per		From	Years	Amount	Bonds	Agency	S.No
	Due Date for	Interest			Tanura in		l nan/	Name of the	
Kepayment of									

GREATER VISAKHAPATNAM MUNICIPAL CORPORATION

FUNDS PROCURED THROUGH LOANS / BONDS TO MEET THE 30% ULB SHARE UNDER JNNURM SCHEME & DETAILS OF PAYMENT OF INTEREST / PRINCIPLE AS ON 12/11/2015

ANNEXURE 4 SHEET 19

	1							
		1,34 X 26	3.85 X 26 Half years	10.00 10.00 10.00	4.17 X 23 Half Years	23.34 23.34 23.32	Amount	Principle (
1	138.86 261.00	61.96	76.90	30.00	68.82	23.32	Out standing Amount	Rs. In Crores

SMART CITY OPTION-III ELECTRICAL INFRASTRUCTURE

STREET LIGHITNG

Ward No	20W LED	40W LED	70W LED	120W LED	160W LED	210W LED	Total
17	672	49	219	95			1035
18	421	70	224	92			807
19	464	24	401	129			1018
20	407	52	475	87			1021
TOTAL:	1964	195	1319	403	· · · ·	<u> </u>	3881
Modern Lightin	g		I	I	L		
Pedawaltair via Polamabaroad RTC Depot to R.K. Beach				313	263	30	606
NTR Statue to Fishing Harbour and Amcosa road, Grand bay road, Circuit house road			47	256	47	6	356
TOTAL:			47	569	310	36	962
Grand Total:	1964	195	1366	972	310	36	4843

《和目 Ratings

Brief Rationale

March 27, 2014

CARE REAFFIRMS RATINGASSIGNED TO THE BOND ISSUE OF GREATER VISAKHAPATNAM MUNICIPAL CORPORATION

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1. A.

Facilities	Amount (Rs. crore)	Ratings ¹	Remarks
Long term Bond	100 crs	CARE AA (SO)	Rating Reaffirmed

Rationale

The rating of GVMC bond issue factors in the consistent healthy financial position of GVMC which is expected to strengthen further in the coming years with projected improvement in revenue collections. On the receipts front, both revenue and capital receipts have been recording favorable growth. The increase in the number of assessments and the resultant increase in tax (property) collection with newer area being brought under GVMC has been one of the major contributors to the augmented revenue collection. On the expenditure front, the municipal corporation has been all along seen to incur a higher capital expenditure i.e. on asset creation as opposed to nondevelopment expenditure, thereby providing for future revenue streams.

Key financial ratios remain strong with some estimated to register significant improvement in FY14 and FY15, reiterating the comfortable financial health/position of the municipal corporation Background

Visakhapatnam Municipal Corporation (VMC) was constituted as a municipality in 1858 and subsequently upgraded to a corporation in 1979. It is governed by the VMC Act of 1979. In November, 2005, GoAP issued orders vide its G.O. dated November 21, 2005 for the merger of Gajuwaka Municipality and surrounding 32 Gram Panchayats with VMC to form GVMC. In 2013, two municipalities -Anakapalle and Bheemili and 10 gram panchayats were included in GVMC limits. The area under GVMC has been divided into 6 zones and 78 sub-zones or wards for administrative convenience. 7 more wards are to be added under GVMC, taking the total to 87 wards. GVMC covers an area of 680 sq.km with a population of 20.9 lakhs (2011 census).

Group Head

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²Complete definition of the ratings assigned are available at <u>www.careratings.com</u> and other CARE publications

Credit Analysis & Research Ltd., 4th Floor, Godrej Coliseum, Somaiya Hospital Road Sion East, Mumbai - 400 022. INDIA Tel # 022 6754 3456 Fax # 6754 3457



March 30, 2015

CARE REAFFIRMS THE RATINGS ASSIGNED TO THE LONG-TERM BOND OF GREATER VISAKHAPATNAM MUNICIPAL CORPORATION

Rating

Facilities	Amount Outstanding (Rs. crore)	Ratings ¹	Remarks
Long-term Bond	76.66 crore	CARE AA (SO)	Reaffirmed
Total	76.66 crore		

Rating Rationale

Greater Visakhapatnam Municipal Corporation (GVMC) continues to record a rather healthy and fairly strong financial position with receipts exceeding its expenditure. Although enjoying a sizeable revenue surplus, there has been a narrowing in the same in FY14 (refers to the period April 1 to March 31) owing to the decline in revenue receipts. The corporation has been recording a moderation in its revenue growth, largely driven by a decline in tax revenue. Own revenues account for nearly 85% of its revenues. As such, the corporation continues to be self-reliant. Estimates for FY15 (RE) and FY16 (BE) envisage a sizeable increase in the surplus to be supported by increased collection of tax and non-tax revenues. On the expenditure front, capital expenditure continues to accounts for the majority of the total expenditure of GVMC, indicating that greater funds are being spent on asset creation. Nevertheless, there has been a decline in GVMC capital expenditure in the 3-year period to FY14.

The key financial ratios of the corporation have seen some deterioration in recent years. They are slated to improve in FY15 and FY16, as per latest estimates.

Background

E

Visakhapatnam Municipal Corporation (VMC) was constituted as a municipality in 1858 and subsequently upgraded to a corporation in 1979. It is governed by the VMC Act of 1979. In November 2005, GoAP issued orders vide its G.O. dated November 21, 2005, for the merger of Gajuwaka Municipality and surrounding 32 gram panchayats with VMC to form GVMC. In 2013, two municipalities -Anakapalle and Bheemili and 10 gram panchayats were included in GVMC limits. The area under GVMC has been divided into 6 zones and 78 sub-zones or wards for administrative convenience. Seven more wards are to be added under GVMC, taking the total to 87 wards. GVMC covers an area of 544 sq. km with a population of 17.30 lakh (2011).

Analyst Contact Name: Kavita Chacko Tel: 022-61443593 Email: <u>kavita.chacko@careratings.com</u>

**For detailed Rationale Report and subscription information, please contact us at www.careratings.com



IPTION OF SERVICES EXISITING IN PROPOSED SMART CITY AREA FOR THE MONTH OF NOV-15

SI.N o	Name of the Section	CAT	Total LT Services	Monthly consumpti on	Total HT Services	Monthly consumptio n	Monthly Total LT + onsumptio HT n Services	Total LT + HT Total CAT- consumption I services	Total CAT- I services	Monthly consumpti on
1	D-3	I	2369	440188	10	316124	2379	756312	1709	254593
2	D-4	1	9465	1915817	8	455348	9473	2371165	8105	1565684
3	D-5	Ι	11358	2377688	34	256000	11392	2633688	6096	1937001
4	SRPM	1	2321	975630	16	425910	2337	1401540	2092	755907
			25513	5709323	68	1453382	25581	7162705	21515	4513185
C	T SMOR			5.709		1.453		7.163		4.513

SI. No	Name of the Section	CAT	Total LT Services	Monthly consumption	Total HT Services	Monthly consumptio n	Total LT + HT Services	Total LT + HT Total CAT consumption I services	Total CAT I services	Monthly consumpti on
1.	D-3	1	1261	440464	10	299781	1981	740245	1689	269643
2	D-4	-	9333	1999320	80	438081	9341	2437401	8366	1666184
3	D-5	1	11644	2422889	34	257000	11678	2679889	9189	1937001
4	SRPM	Ι	2251	1048200	16	416123	2267	1464323	2024	824404
	ZONE-I		25199	5910873	68	1410985	25267	7321858	21268	4697232
-				5.91		1.41		7.32		4.70



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MONTH	
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Vizag Smart City Proposal



AECOM IBM

Housing situation in the city, specifically role of municipality in expediting building plan approvals, enhancing property tax collection, etc

	Questions	2012	2013	2014	2015	Remarks
1	Household coverage of electronic property records (Percentage)		*			
2	Improvement in time taken for approval of building plan permission by the authorities i) upto 300 sq.mt site area	15 days	15 days	15 days	15 days	Being disposed within the time specified in
	ii) above 300 sq.mts site area	30 days	30 days	30 days	30 days	citizen charter
3	Improvement in property tax collection owing to implementation electronic property records program					
4	No. of new building/layout permissions issued	2763	2270	2461	2472	
5	Slums as a percentage of overall households	39.76	43.7b	Q9.65	52.66	
6	No. of slums redeveloped as a percentage of the total no. of slums	174	194	218	2426	
				1.1		

EASTERN POWER DISTRIBUTION COMPANY OF A.P.LIMITED **OPERATION CIRCLE : VISAKHAPATNAM**

ENERGY AVAILABILITY AND REDUCTION OF OUTAGES IN THE CITY

2012 2013 2014 2015 Remarks generation - - - - -	power 89 95 98 100	riewable - 0.25 1 1.2	er outages in 92 95 95 95	vered by	1 1 - (25%) Proposed in 1st 1 1 - - phase 21 Nos.Sub-Stations under World Bank Scheme
Questions Increase in sources of power generation	Household coverage for 24x7 power supply (Percentage)	Percentage contribution of renewable sources towards power supply (Percentage)	Percentage reduction of power outages in the City	Percentage of households covered by smart meters	Percentage of city covered by underground electrical wiring
SI.No 1	2	3	4	'n	٩

ANNEXURE 4 SHEET 24

The Smart Digital Water meters were fixed to all the Bulk The back wash water from WTPs at Narava was being let up under JNNURM were commissioned and put into use consumers of GVMC in the year 2011-12 for monitoring hours with the help of departmental staff, outsourcing Gajuwaka water supply augumentation schemes taken The leakages observed were being attended within 24 water connections in the year 2011-12 to monitor the (taken up under JNNURM) was inagurated in the year Gajuwaka water supply scheme with Yeleru source into Mehadrigedda reservoir and the water is being The SCADA system was installed for the bulk water The reservoirs constructed in 32 Pheripherals and in the respective years from 2012 to 2015. NRW losses through SCADA system Remarks workers and through contractors their water consumption reused after settlement 2012 Rs. 120 Per month Rs. 160 Per month 45 min to Rs. 60 Per month 188095 6.10 MLD 60 min General-15mm 7 Nos -General-20mm 2015 BPL-15mm Rs. 120 Per month Rs. 160 Per month Rs. 60 Per month 45 min to 6.80 MLD 118600 60 min General-15mm 2014 5 Nos -General-20mm BPL-15mm Rs. 160 Per month Rs. 120 Per month Rs. 60 Per month 45 min to 1.50 MLD 104441 60 min General-15mm 1 No -2013 General-20mm BPL-15mm Rs. 120 Per month Rs. 160 Per month 45 min to 13.90 MLD Rs. 60 Per month 93186 20 Nos -60 min General-15mm General-20mm 2012 -BPL-15mm . or monitoring water ter) (Rs. in Lakhs) of water supply improving water rs and valves to akages (NRW) nprovement in vailable daily ADA system rges as per pply

WATER AVAILABILITY IN THE CITY AND REDUCTION IN WATER WASTAGE/NRW



1 In 2 Nd 3 Au	Questions
	Increase in Sources of water sup
	No. of water connections
	Average No. of hours water is av
4 Ef lo:	Efforts made towards reduction losses due to evaporation and le
5 Ne su wa	New reservoirs constructed for in supply and their capacity (i.e., Im water storage (MLD))
9 9	Water reuse and recycling effort
7 Int col	Introduction of SCADA system fo consumption
8 Ins mc	Installation of smart water meter monitor NRW losses through SCA
9 MG	Monthly water consumption char connection (based on pipe diamt