Α	В	С	D	E	F	G	Н	I	J	К
SI. No	Featur e	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment for the full city with regard to each feature	Basis for assessment and/or quantitative indicator (Optional - only if data exists)	Projection of 'where the city wants to be' with regard to the feature/indicator based on the city vision and strategic blueprint	Input/Initiative that would move the city from its current status to Advanced status (Scenario 4: Column G)
1	Citizen partici pation	A smart city constantly shapes and changes course of its strategies incorporating views of its citizen to bring maximum benefit for all. (Guideline 3.1.6)	The City begins identifies priorities and projects to pursue without consulting citizens.	City undertakes citizen participation with some select stakeholders. The findings are compiled and incorporated in some projects or programs. Very few major decisions are shared with -citizens until final projects are unveiled.	City conducts citizen engagement at city level and local area level with most stakeholders and in most areas. The findings are compiled and incorporated in projects or programs.	City constantly conducts citizen engagement with people at each Ward level to incorporate their views, and these shape priorities and development projects in the city. Multiple means of communication and getting feedback such, both face-to-face and online are utilised. The effectiveness of city governance and service delivery is constantly enhanced on the basis of feedback from citizens.	SCENARIO-3: City conducts citizen engagement at city level and local area level with most stakeholders and in most areas. The findings are compiled and incorporated in projects or programs.	Engagement of Belgaum citizens in shaping public programmes has started in 1993 itself for projects of hospital waste in 1193, for rejuvenation of open wells 1994, for urban garbage on ppp mode in 2005, 24x7 water supply as pilot project in 2005-09; In 2011 for vision document 2040 preparation;	Scenario-4: City constantly conducts citizen engagement with people at each Ward level to incorporate their views, and these shape priorities and development projects in the city. Multiple means of communication and getting feedback such, both face-to-face and online are utilized. The effectiveness of city governance and service delivery is constantly enhanced on the basis of feedback from citizens.	Taking forward the experience of citizen engagement for different projects from 1993 onwards and experience gained in conducting the citizen engagement by various mediums including mobile app and internet for every citizen upto ward level in smart city plan preparation, the same procedure will be adopted for all future projects;
2	Identit y 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)	There are few architectural monuments, symbols, and festivals that emphasise the unique character of the city. Built, natural and cultural heritage is not preserved and utilised or enhanced through physical, management and policy structures.	Historic and cultural resources are preserved and utilised to some extent but limited resources exist to manage and maintain the immediate surroundings of the heritage monuments. New buildings and areas are created without much thought to how they reflect the identity and culture of the city.	Historic and cultural heritage resources are preserved and utilised and their surroundings are well-maintained. Public spaces, public buildings and amenities reflect the cultural identity of the city ;	Built, natural and intangible heritage are preserved and utilised as anchors of the city. Historical and cultural resources are enhanced through various mediums of expression. Public spaces, open spaces, amenities and public buildings reflect local identity and are widely used by the public through festivals, events and activities.	Scenario-2: Historic and cultural resources are preserved and utilized to some extent but limited resources exist to manage and maintain the immediate surroundings of the heritage monuments. New buildings and areas are created without much thought to how they reflect the identity and culture of the city.	Belagavi has historical fort which is more than 800 years old with historical temples, mosque, Ramakrishna ashram inside the fort. The extent of fort is 144 acres. Because of limited resources the heritage monuments, fort structure, moat and surrounding area of fort are not maintained properly. The state government declared the fort as a heritage structure which needs to be preserved and showcased.	Scenario-4: Built, natural and intangible heritage are preserved and utilized as anchors of the city. Historical and cultural resources are enhanced through various mediums of expression. Public spaces, open spaces, amenities and public buildings reflect local identity and are widely used by the public through festivals, events and activities.	The preservation proposal of Fort consists of 1. Restoration of fort wall in consultation with ASI. 2. Development of Moat 3. Development of recreational park around moat. 4. Development of Amphitheatre and district museum. 5. Creation of walkability and encouraging non motorized vehicles inside fort 6. Development of open spaces and public buildings to reflect local identity and utilization of the same for public events.

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							regard to each	indicator (Optional -	regard to the	from its current status
							feature	only if data exists)	feature/indicator based	to Advanced status
									on the city vision and	(Scenario 4: Column G)
									strategic blueprint	
3	Econo	A smart city has a	There are some	There is a range of	There are adequate	There are adequate	Scenario-2		Scenario-4:	Opportunity generation
	my and	robust and resilient	job opportiunities	job opportunities in	job opportunities	opportunities for jobs			There are adequate	through development of
	emplo	economic base and	in the city but	the city for many	for all sections of	for all sections of	There is a range of job		opportunities for jobs	Flatted Factories, Multi
	yment	growth strategy	they do not reach	sections of the	society. But skill	income groups and skill	opportunities in the		for all sections of income	Utilities Facilitation
		that creates large-	all sections of the	population. The city	availability among	levels. Job-oriented skill	city for many sections		groups and skill levels.	Centers, Modern
		scale employment	population. There	attemps to	residents can	training supported by	of the population. The		Job-oriented skill	markets, skill
		and increases	are a high number	integrate informal	sometimes be a	the city and by industry.	city attemps to		training supported by	development centres, IT
		opportunities for	of jobs in the	economic activities	challenge.	Economic activities are	integrate informal		the city and by industry.	incubation center, and
		the majority of its	informal sector	with formal parts of		suited to and build on	economic activities		Economic activities are	hawkers zones. Also
		citizens. (Guideline	without sufficient	the city and its		locational and other	with formal parts of		suited to and build on	with the proposals in
		2.6 & 3.1.7 & 6.2)	facilities.	economy.		advantages of the city.	the city and its		locational and other	Smart City Project, there
							economy.		advantages of the city.	will be overall economic
										development in the
										direct and indirect jobs
4	Educati	A Smart City offers	The city provides	City provides	City provides	City provides adequate	Scopario 2:	Polgavi is an	Sconaria A:	In Smart City proposal
4	Euucau	a Sindri City Offers	vory limited	adoquato primary	adoquato primary	and high-quality	Scenario-S.	- Belgavi is all	City provides adequate	under ICT initiatives
	011	aducational	oducational	adequate printary	adequate primary	and high-quality	City provides	three Universities six	and high-quality	aducation facilities are
		onnortunities for all	facilities for its	within easily	education facilities	within easily reachable	adequate primary and	medical colleges and	education facilities	regularly assessed
		children in the city	residents There	reachable distance	within easily	distance of 10 minutes	secondary education	several technical	within easily reachable	through data base of
		(Guideline 2.5.10)	are some schools	of 15 minutes	reachable distance	walking for all the	facilities within easily	colleges. The Karnataka	distance of 10 minutes	schools including
		(00000000000000000000000000000000000000	but very limited	walking for most	for most residential	residential areas of the	reachable distance for	States' apex university	walking for all the	number of students.
			compared to the	residential areas of	areas of the city.	city and provides	most residential areas	for technical education	residential areas of the	attendance, teacher
			demand. Many	the city. The city	Education facilities	multiple options of	of the city. Education	the Vishveshwaravva	city and provides	student ratio. facilities
			schools are in	also provides some	are regularly	connecting with	facilities are regularly	Technological University	multiple options of	available and other
			poor condition.	secondary	assessed through -	specialised teaching and	assessed through -	is located in Belgavi.	connecting with	factors.
				education facilities.	databases of	multi media enabled	databases of schools	- The KLE Society, now in	specialized teaching and	
					schools including	education. Education	including number of	its 100th year – which	multimedia enabled	
					number of students,	facilities are regularly	students, attendance,	runs 238 educational	education. Education	
					attendance, teacher	assessed through	and teacher - student	institutions in Karnataka,	facilities are regularly	
					- student ratio,	database of schools	ratio, facilities	Maharashtra and Delhi	assessed through	
					facilities available	including number of	available and other	is founded and based in	database of schools	
					and other factors.	students, attendance,	factors.	Belgavi.	including number of	
						teacher-student ratio,			students, attendance,	
						facilities available and			teacher-student ratio,	
						other factors.			facilities available and	
									other factors.	

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									on the city vision and	(Scenario 4: Column G)
5	Health	A Smart City	Healthcare is	The city provides	City provides	City provides adequate	Scenario_3:		Scenario-A:	Provision for Trauma
5	nearch	provides access to	difficult for	some access to	adequate health	health facilities at easily	Scenario S.	'- Belgavi is renowned	City provides adequate	Centers at key locations
		healthcare for all its	citizens to access -	healthcare for its	facilities within	accessible distance and	City provides	for its healthcare and	health facilities at easily	and ICT connectivity for
		citizens. (Guideline	demand for	residents but	easily reachable	individual health	adequate health	some 10,000 beds – the	accessible distance and	all health centers.
		2.5.10)	healthcare often	healthcare facilities	distance for all the	monitoring systems for	facilities within easily	highest per capita in all	individual health	
		-	exceeds hospitals'	are overburdened	residential areas	elderly and vulnerable	reachable distance for	Karnataka provide	monitoring systems for	
			ability to meet	and far from many	and job centers of	citizens which are	all the residential	primary to advanced	elderly and vulnerable	
			citizen needs.	residents. Access to	the city. It has an	directly connected to	areas and job centers	medical care'; There	citizens which are	
				preventive health	emergency	hospitals to prevent	of the city. It has an	are total six medical	directly connected to	
				care is only easily	response system	emergency health risks	emergency response	institutions are	hospitals to prevent	
				available for some	that connects with	and to acquire	system that connects	available;	emergency health risks	
				residents.	ambulance services.	specialised health advice	with ambulance		and to acquire	
						with maximum	services.		specialized health advice	
						convenience. The city is			with maximum	
						able to foresee likely			able to foresoo likely	
						develop response			notential diseases and	
						systems and preventive			develon response	
						care.			systems and preventive	
									care.	
6	Mixed	A Smart City has	The city has	In some parts of the	Most parts of the	Every part of the city has	Scenario-3:	BUDA as planning	Scenario-4:	Under Smart city, flatted
	use	different kinds of	mostly separated	city , there is a	city have housing,	a mix of uses. Everyone	Most parts of the city	authority has made	Every part of the city has	factories are proposed
		land uses in the	uses and areas are	mixture of land uses	retail, and office	lives within a 15-minute	have housing, retail,	provision for mixed	a mix of uses. Everyone	in the areas where
		same places; such	focused either on	that would allow	buildings in close	trip of office buildings,	and office buildings in	landuse under zoning	lives within a 15-minute	mixed land use are
		as offices, housing,	residential,	someone to live,	proximity. Some	markets and shops, and	close proximity. Some	regulation. Reference	trip of office buildings,	available; Provision for
		and shops,	commercial, or	work, and shop in	neighborhoods have	even some industrial	neighborhoods have	clause attached under	markets and shops, and	Multi Utility Facilitation
		Clustered together.	little co-ovistance	close proximity.	within them (o g	uses. Land use rules	within thom (o g	annexure. Clause-VII	even some industrial	Centres at six locations,
		and 3 1 2)	of uses The	areas there are only	auto repair craft	developers to	auto renair craft	Application of landuse	require or encourage	locations Hawkers
		unu 3.1.2j	average resident	small retail stores	nroduction) Land	incorporate a mixture of	nroduction) Land use	under zonal regulations	developers to	zones and east street
			cannot walk to	with basic supplies	use rules allow for	uses in their projects	rules allow for mixed	of Belgaum Master Plan	incorporate a mixture of	
			the closest market	near housing. Most	mixed uses.	accontance projecto.	uses.	2021.	uses in their projects.	
			or shops near his	residents must drive			· · · · ·			
			or her home. For	or use public						
			almost everyone,	transportation to						
			going to work or	access a shop for						
			going shopping	food and basic daily						
			for basic needs	needs. Land use						
			requires a journey	rules support						
			by automobile or	segretating housing,						
			bus of more than	retail, and office						
			15 minutes. Land	uses, but exceptions						

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No	P	2011101					the full city with	and/or quantitative	city wants to be' with	would move the city
	-						regard to each	indicator (Optional -	regard to the	from its current status
-							feature	only if data exists)	feature/indicator based	to Advanced status
								,,	on the city vision and	(Scenario 4: Column G)
									strategic blueprint	(
			use regulations	are made when						
			prevent putting	requested.						
			commercial or	requestedi						
			office locations in							
			residential							
			neighborhoods							
			and vice versa.							
7	Compa	A Smart City	The city is	The city has one or	The city has	The city is highly	SCENARIO-3:	CCB has encouraged	Scenario-4:	As a long term strategy
	ct .	encourages	expanding rapidly	two high density	, multiple high	compact and dense.	The city has multiple	development of under-	The city is highly	it is proposed to develop
		development to be	at its periphery	areas - such as the	density clusters that	making the most of land	high density clusters	utilized parcels of lands	compact and dense,	the city within proposed
		compact and dense,	into undeveloped	city center, or	are easy to walk	within the city. Buildings	that are easy to walk	in order to	making the most of land	outer ring road as a belt
		where buildings are	land, rural or	historic areas,	around where	are clustered together,	around where	accommodate high	within the city. Buildings	promoting the
		located close to one	natural areas, or	where buildings are	buildings are close	forming walkable and	buildings are close	density and promoting	are clustered together,	compactness and
		another and are	along industrial	concentrated	together. However,	inviting activity centers	together. However,	the walkable areas.	forming walkable and	densification. Under
		ideally within a 10-	corridors - both	together and where	the city actively	and neighborhoods.	the city actively		inviting activity centers	Smart City it is proposed
		minute walk of	formally and	people can walk	encourages	Regulations encourage	encourages		and neighborhoods.	to Develop under
		public	informally.	easily from building	development to	or incentivize re-	development to occur		Regulations encourage	utilized land parcels for
		transportation,	Formal new	to building and feel	occur on under-	development of under-	on under-utilized		or incentivize re-	construction of Multi
		forming	development is	as though they are	utilized parcels of	utilized land parcels in	parcels of land into		development of under-	Utility facilitation
		concentrated	occuring in a way	in center of activity.	land into high-	the city center. Buildings	high-density, walkable		utilized land parcels in	centres at Six locations
		neighborhoods.	that is	Most of the city	density, walkable	are oriented to the	areas. When new		the city center. Buildings	of ULBs land.
		(Guidelines 2.3 and	"sprawling,"	consists of areas	areas. When new	street — and parking is	formal large-scale		are oriented to the	Development of existing
		5.2)	meaning that the	where buildings are	formal large-scale	kept to a minimum,	development projects		street and parking is	markets to Modern
			buildings spread	spread out and	development	located below ground or	happen at the		kept to a minimum,	markets. Development
			across a wide area	difficult to walk	projects happen at	at the back of buildings.	periphery, they are		located below ground or	of Bus terminal and
			and are far from	between,	the periphery, they	Public transport and	encouraged to be		at the back of buildings.	footpaths. Affordable
			one another.	sometimes with	are encouraged to	walking connects	dense and compact,		Public transport and	housing scheme for EWS
			Residents or	low-density per	be dense and	residences to most jobs	with buildings that are		walking connects	and LIG.
			tenants find it	hectare.	compact, with	and amenities.	close together and		residences to most jobs	
			easier or safer to	Regulations tend to	buildings that are	Residential density is at	line the streets. The		and amenities.	
			travel by	favor buildings that	close together and	an optimal with	city actively		Residential density is at	
			automobile	are separated from	line the streets. The	afforgable housing	encourages or		an optimal with	
			because it takes a	one another, with	city actively	available in most areas.	incentivizes re-		afforgable housing	
			long time to walk	lots of parking at	encourages or		development of		available in most areas	
			between	the base and set-	incentivizes re-		under-utilized parcels			
			destinations and	back from the	development of		in the inner-city,			
			there are busy	streets. The city	under-utilized		especially those			
			roads separating	likely has some	parcels in the inner-		located close to public			
			buildings. Large	pockets of under-	city, especially		transportation.			
			pockets of land in	utilized land in the	those located close					
			the inner-city are	center. New formal	to public					
			vacant. New	developments at	transportation.		1			

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No	е						the full city with	and/or quantitative	city wants to be' with	would move the city
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									strategic blueprint	(**************************************
			dovelonments at	the periphery tend						
			the new share	the periphery tenu						
			the periphery	to be large-scale						
			tend to be large-	residential						
			scale residential	developments,						
			developments,	often enclosed with						
			often enclosed	a gate and oriented						
			with a gate and	to the automobile.						
			oriented to the							
			automobile							
	Dublic	A Smoot City has	The situ has yory	A variaty of public	Mast groot of the	Dublic open spaces are	Cooperio 2:	CCB has soveral ener	Cooporio 4:	Lindor Smort City, Darks
•	Public	A Smart City has	The city has very	A variety of public	Wost areas of the	Public open spaces are	Scenario-3:	CCB has several open	Scenario-4.	Onder Smart City, Parks
	open	sufficient and	few usable public	open spaces are	city have some sort	well dispersed	Most areas of the city	spaces located at	Public open spaces are	& Recreational Spaces
	spaces	usable public open	open spaces and	available in some	of public open	throughout the city.	have some sort of	various parts of the city.	well dispersed	through Improvement of
		spaces, many of	very few usable	neighborhoods, but	space. There is	Every residential area	public open space.	park- 40, Play grounds-	throughout the city.	Neighborhood Parks &
		which are green,	green spaces.	are not available in	some variety in the	and work space has	There is some variety	9, others as open	Every residential area	Recreational Spaces,
		that promote	Available	all the areas of the	types of public	access to open space	in the types of public	spaces-9	and work space has	Development of
		exercise and	recreational	city or are located	spaces in the city.	within 10 minutes	spaces in the city.	(gardens/parks).	access to open space	Heritage Park at Vaccine
		outdoor recreation	spaces are located	far away from	However, public	walking distance. Open	However, public		within 10 minutes	Depot - Tilakwadi.
		for all age groups	far away and are	residential areas	snaces are	spaces are of various	spaces are sometimes		walking distance. Onen	Development of fort and
		Public open spaces	disporsed at long	Many of the open	somotimos not	types - patural groop	not within once reach		spaces are of various	procinct Plazas are
		Fublic open spaces	distances around		sometimes not	types - natural, green,	not within easy reach		spaces are of various	precifict. Flazas are
		of a range of sizes	distances around	spaces have access	within easy reach or	plazas, parks, or	or access of more		types - natural, green,	planned at all Multi
		are dispersed	the city. The few	restrictions, or are	access of more	recreation areas - which	vulnerable		plazas, parks, or	Utility Center locations.
		throughout the City	available public	not well-	vulnerable	serve various sections of	populations and are		recreation areas - which	
		so all citizens can	open spaces offer	maintained. A	populations and are	people. Public spaces	more restricted in		serve various sections of	
		have access.	a limited variety	variety of types of	more restricted in	tend to truly reflect the	poorer		people. Public spaces	
		(Guidelines 3.1.4 &	of experiences for	public open spaces	poorer	natural and cultural	neighborhoods.		tend to truly reflect the	
		6.2)	all sections of	may be lacking, such	neighbourhoods.	identity of the city.			natural and cultural	
			population and	as natural areas.					identity of the city.	
			age groups such	green areas, parks.					-, ,	
			as places for	plazas, or recreation						
			sport places for	areas						
			rost and places							
			fer ales							
-			for play.							-
9	Housin	A Smart City has	Housing is very	Housing is available	Housing is available	A wide range of a	Scenario-3:	Housing demand is	Scenario-4:	Development of
	g and	sufficient housing	limited and highly	at most income	at all income levels,	housing is available at all	Housing is available at	neutral with consistent	A wide range of a	Affordable Housing for
	inclusi	for all income	segregated across	levels but is highly	but is segregated	cost levels. The supply of	all income levels, but	supply from KHB	housing is available at all	EWS.
	veness	groups and	income levels.	segregated across	across income	housing is growing at	is segregated across	schemes and other	cost levels. The supply of	
		promotes	Population	income levels.	levels. The growth	pace with population.	income levels. The	private schemes.	housing is growing at	
		integration among	growth far	Population growth	of supply of housing	Afforable, moderate.	growth of supply of	Provisions made for LIG	pace with population.	
		social groups.	exceeds the	slightly exceeds the	almost meets the	and luxury housing are	housing almost meets	and HIG in Govt and	Affordable, moderate	
		(Guidelines 3 1 2)	creation of new	creation of new	rate of nonulation	found clustered	the rate of nonulation	private schemes through	and luxury housing are	
		(Suldennes S.I.Z)	housing Tho	housing Tho	growth	togothor in many areas	growth Incrossingly	provision under DCP	found clustered together	
			nousing. The	nousing. The	growth.	ingenier in many areas	growth. Increasingly,			
1	1		poor live in	wealthy and the	increasingly, lower	of the city	lower and middle-	(10% provision). CCB is	in many areas of the city	

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									strategic blueprint	
			informal	middle class have	and middle-income		income people can	providing housing for 7		
			settlements with	housing that meets	people can find		find housing in areas	slums with 1044 nos of		
			limited to no	their needs at costs	housing in areas		that are conveniently	Houses. Cost Rs 47.51		
			access to basic	appropriate to their	that are		located.	Cr.		
			services, and are	income. The poor	conveniently					
			concentrated in a	live in informal	located.					
			few areas. The	settlements.						
			wealthy live in							
			separate enclaves.							
			Those in the							
			middle have few ,							
			if any options.							
10	Transp	A Smart City does	Personal	The street network	Network of streets	Street network is	Scenario-3:	Service Coverage of	Scenario-4:	Under Smart City plan it
	ort	not require an	automobile	system is elaborate	are fairly complete.	complete and follows a	Network of streets	urban transport in the	Street network is	is proposed to have road
		automobile to get	centric city with	but public transport	Public transport	clear structure. Public	are fairly complete.	city-0.63 LOS 3.	complete and follows a	improvement through
		around; distances	very few modal	choices are	covers most areas	transportation network	Public transport	Availability of urban	clear structure. Public	provision of cycle tracks,
		are short, buildings	options. Long trip	restricted. Public	of the city. However	covers the entire city	covers most areas of	transport per 1000	transportation network	footpaths with street
		are accessible from	lengths for daily	transport can be too	last mile	and intensity of	the city. However last	population-0.28 with	covers the entire city	furniture, junction
		the sidewalk, and	commute to work	expensive or	connectivity	connection relates with	mile connectivity	LOS 3.	and intensity of	improvement. Provision
		transit options are	and education.	unafforadable for	remains incomplete	the demand. Plenty of	remains incomplete		connection relates with	of public transport with
		plentiful and	Accessing various	the poor. Pedestrian	and affects	options of public	and affects transport		the demand. Plenty of	ITS, smart bus sneiters.
		attractive to people	areas by waiking	initastructure is	Toot paths are	transport are available	options. Foot paths		transport are sucilable	
		(Guidelines 2.1 E.8	difficult Momon	coloct props. The	Pool patris are	and anordable for all			and affordable for all	of paratransit facilities
		(Guidennes 5.1.5 &	and vulnorable	majority of	accessible in most	Thoro is multi-modal	concorns of safe		soctions of the society	smart parking facilities
		0.2)	sections find it	investments focus	concerns of safe	integration at all mass	crossings and security		There is multi-modal	Development of
			very difficult to	on reducing traffic	crossings and	transit staions and	throughout the day		integration at all mass	Integrated Intelligent
			move	congestion through	security throughout	organized-priced on	remain. Parking zones		transit stations and	Transport System
			independently in	the creation of	the day remain.	street and off street	are demarcated but		organized-priced on	
			the city. There is	more roads.	Parking zones are	parking. Walking and	absence of pricing		street and off street	
			limited public		demarcated but	cycling is prevalent.	increases over		parking. Walking and	
			transport.		absence of pricing	, , ,	utilization of parking		cycling is prevalent.	
			Vehicles cause		increases over		lots.			
			high air and noise		utilization of parking					
			pollution levels in		lots.					
			the city. Vehicles							
1			dominate public							
			spaces and affect							
			their effective							
			functioning.							
11	Walka	A Smart City's roads	The city is	Older areas of the	The city has a good	The city is highly	Scenario-3:	Road length of pucca	Scenario-4:	Under Smart City Plan
	ble	are designed	designed mainly	city see a mix of	network of	walkable. Pavements	The city has a good	road=809 km.	The city is highly	provision given for

Α	В	С	D	E	F	G	Н	I	J	К
SI.	Featur	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment for	Basis for assessment	Projection of 'where the	Input/Initiative that
No	е						the full city with	and/or quantitative	city wants to be' with	would move the city
							regard to each	indicator (Optional -	regard to the	from its current status
							feature	only if data exists)	feature/indicator based	to Advanced status
									on the city vision and	(Scenario 4: Column G)
									strategic blueprint	
		equally for	for the	pedestrians, cyclists,	pavements and bike	exist on every street and	network of pavements		walkable. Pavements	footpaths, street
		pedestrians, cyclists	automobile. Daily	and vehicles but	lanes. Buildings in	are maintained. Trees	and bike lanes.		exist on every street and	funitures, avenue
		and vehicles; and	life without a car	newer areas are	most areas of the	line many sidewalks to	Buildings in most		are maintained. Trees	plantation,UG Ducting,
		road safety and	requires long bus	focused mainly on	city are easily	provide shade for	areas of the city are		line many sidewalks to	UG- HT & LT Line and
		sidewalks are	rides. Walking is	the automobile. In	accessible from the	pedestrians. Buildings in	easily accessible from		provide shade for	street lighting. Provision
		paramount to	difficult and often	the new areas,	pavement. Howver,	most areas of the city	the pavement.		pedestrians. Buildings in	of cycle track at major
		street design.	dangerous; there	there are few	traffic signals are	are easily accessible	Howver, traffic signals		most areas of the city	roads. Junction
		Traffic signals are	are few	pavements and	sometimes	from the sidewalk.	are sometimes		are easily accessible	improvement at six
		sufficient and traffic	pavements,	main entrances to	disobeyed and it	Traffic signals control	disobeyed and it can		from the sidewalk.	locations. Provision of
		rules are enforced.	existing	new buildings are	can feel difficult to	the flow of automobiles	feel difficult to cross		Traffic signals control	traffic signals and road
		Shops, restaurants,	pavements need	not accesible from	cross the street.	and are enforced. A	the street.		the flow of automobiles	signages.
		building entrances	repair and lack	the front of the		network of bike lanes			and are enforced. A	
		and trees line the	trees to provide	street. large		exists to promote cycling			network of bike lanes	
		sidewalk to	shade for	driveways or		as a means of transport.			exists to promote cycling	
		encourage walking	pedestrians, and	parking lots often		Traffic rules are followed			as a means of transport.	
		and there is ample	marked	separating them		and enforced with great			Traffic rules are followed	
		lighting so the	pedestrian	from the street, and		seriousness.			and enforced with great	
		pedestrian feels	crossings are rare.	sometimes are are					seriousness.	
		safe day and night.	New buildings	enclosed by gates.						
		(Guidelines 3.1.3 &	have their main	In these areas,						
		6.2)	entrances set-	traffic signals are						
		-	back from the	disobeyed.						
			street, sometimes							
			with large							
			driveways or							
			parking lots							
			separating them							
			from the street,							
			and sometimes							
			are are enclosed							
			by gates. Traffic							
			signals are often							
			disobeyed							
12	IT	A Smart City has a	City has no major	The city has made	The city makes has	The city offers free wifi	Scenario 2; The city	Entire city covered	Scenario-4:	Proposal for covering
	connec	robust internet	plans to bring	plans to provide	high speed internet	services to provide	has made plans to	under operators like	The city offers free Wi-Fi	entire city with WiFi in
	tivity	network allowing	increased high	high speed internet	connectivity	opportunity for all the	provide high speed	reliance, BSNL	services to provide	ICT initiatives;
		high-speed	speed internet	connectivity	available in most	citizens to connect with	internet connectivity	broadband network.	opportunity for all the	
		connections to all	connectivity to	through the existing	parts of the city.	high speed internet	through the existing		citizens to connect with	
		offices and	the public.	framework.		across the city.	framework.		high speed internet	
		dwellings as							across the city.	
		desired. (Guideline								
		6.2)								

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SI.	Featur	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment for	Basis for assessment	Projection of 'where the	Input/Initiative that
No	е						the full city with	and/or quantitative	city wants to be' with	would move the city
•							regard to each	indicator (Optional -	regard to the	from its current status
							feature	only if data exists)	feature/indicator based	to Advanced status
									on the city vision and	(Scenario 4: Column G)
42	107	A. C	Free Hal	Course of the could be	March of the second second	All	Constantin D		strategic blueprint	Control Comment
13	ICI-	A Smart City	Essential	some of the public	wost of the services	All major services are	Scenario-2:	Unline birth and death	Scenario-4:	
	enable	enables easy	Government	services are	are provided online	and offling platforms	some of the public	record view, complaint	All major services are	Center and E-
	u	(including through	linked with online	provided online and	transparonsy holps	Citizons and officials can	services are provided	property tax information	and offling platforms	integration of all the
	mont	online and	nlatforms Paner	total digitalization is	monitoring	access information on	infrastructure for total	system Information of	Citizens and officials can	services and centres
	service	telenhone services)	intensive	not in place Service	Systema and	accounting and monitor	digitalization is not in	schemes like NLII M	access information on	Smart Metering for
	s	with its citizens	interactions with	delays occur	processes to better	status of projects and	nlace Service delays	ISHUP AKM SBM	accounting and monitor	Flectricity Smart
	5	eliminating delays	the local	regularly in some	coordinate between	programs through data	occur regularly in		status of projects and	Metering Water Supply/
		and frustrations in	Government	sectors. Responses	various Government	available on online	some sectors.		programs through data	UGD. Traffic and
		interactions with	continues.	to citizen inquiries	agencies are being	system. Robust data	Responses to citizen		available on online	Transportation, Safety
		government.	Recieving services	or complaints are	developed.	infratsructure system	inquiries or		system. Robust data	and Security features
		(Guidelines 2.4.7 &	and response to	often delayed. No		shares information and	complaints are often		infratsructure system	are proposed in ICT
		3.1.6 & 5.1.4 & 6.2)	citizen complaints	integration between		enhances internal	delayed. No		shares information and	initiatives on Pan City
			take a long time.	services and billing.		governmental	integration between		enhances internal	Basis.
			There is limited			coordination.	services and billing.		governmental	
			availability of data						coordination.	
			to monitor service							
	-		delivery.			51				
14	Energy	A Smart City has	There is only	Electricity supply	Electricity is	Electricity is available 24	Scenario-2:	Planned load shedding	Scenario-4:	It is planned to generate
	suppiy	reliable, 24/7	Intermittent	and loads are	available in most	x 7 In all parts of the city	Electricity supply and	Slotwise published by	Electricity is available 24	the renewable
		with no dolows in	with rogular	domand and priority	most hours of the	linked to opling	nor domand and	schodulo sossopwiso. At	with smart motoring	component of the
		requested bookups	nower shedding	for various functions	day but some areas	nlatforms for monitoring	per demand and	nresent 2 hours every	linked to online	nattern through
		(Guildeline 2.4)	Many residents	with clear	are not so well-	and transparency.	functions with clear	day divided in slots	platforms for monitoring	establishing more wind
		(00	have to plan their	scheduling, with	served. Smart		scheduling, with	across Belagavi region.	and transparency.	mills and solar roof top
			days around when	electricity being	metering exists in		electricity being			panels by 402.20 MU by
			power is	available in many	some parts of the		available in many			2020. Smart Energy
			available.	areas for most	city but not all.		areas for most hours			metering are proposed
				hours of the day.			of the day.			under smart city project.
15	Energy	A Smart City has at	The city does not	The city is preparing	Some energy	At least 10% of the	Scenario-2:	KREDL Proposal for roof	Scenario-4:	It is planned to generate
	source	least 10% of its	have any	plans for ensuring	consumed is the city	energy used in the city is	The city is preparing	top SPV power capacity	At least 10% of the	the renewable
		electricity	renewable	that it gets more	is produced through	generated through	plans for ensuring that	at 10 water pumping	energy used in the city is	component of the
		generated by	sources of energy	energy from	renewable sources.	renewable sources. The	it gets more energy	stations and vacant land	generated through	energy generation
		renewables.	and there is no	renewable sources	I here are long term	city is undertaking long-	from renewable	of KUWS&DB with	renewable sources. The	pattern through
		(Guideline 6.2)	commitment to	and is in the process	targets for higher	term strategic projects	sources and is in the	capacity of 1.5 MW &	city is undertaking long-	establishing more wind
			promote this for	or making	renewable energy	to tap renewable	process of making	3.0 IVIW WITH COST OF	term strategic projects	mills and solar root top
			futuro	commitments in this	capacities and the	sources or energy in its	commitments in this	13.20 Cr and KS 21.0 Cr	to tap renewable	
			iuture.	regaru.	to achieve these	increase the percentage	regatu.	respectively.	rogion/boyond to	2020.
					to achieve these.	of ronowable onergy			increase the percentage	
						sources.			of renewable energy	
						5001005.			sources	
			l	L	l		l		3541663.	

Α	В	С	D	E	F	G	Н	1	J	К
SI.	Featur	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment for	Basis for assessment	Projection of 'where the	Input/Initiative that
No	е						the full city with	and/or quantitative	city wants to be' with	would move the city
•							regard to each	indicator (Optional -	regard to the	from its current status
							feature	only if data exists)	feature/indicator based	to Advanced status
									on the city vision and	(Scenario 4: Column G)
16	Water	A Smart City has a	The city has a	The city has	The city has 24 x 7	The city has 24 x 7	Scenario 2:	Coverage of water	Scenario 4:	24x7 Water Supply:
10	supply	reliable 24/7	noor water supply	intermittent water	water supply in	treated water supply	The city has	supply 75% Per capita	The city has 24 x 7	Developer appointed for
	Suppry	supply of water	system with	supply and	most areas but the	which follows national	intermittent water	supply 13% PCD, 24x7	treated water supply	implementing 24x7
		that meets national	limited water	availability.	quality of water	and global standards	supply and availability.	water supply in 10	which follows national	water supply on pan city
		and global health	availability. There	However it is setting	does not meet	and also available in	However it is setting	wards, once in 4 days 46	and global standards	basis which is
		standards.	are no clear	targets and	international health	suffecient quantity and	targets and processes	wards. Planned to cover	and also available in	performance based
		(Guidelines 2.4 &	targets to achieve	processes in place	standards.	affordable across all	in place to try to	24x7 for entire city.	sufficient quantity and	tender with
		6.2)	higher quality and	to try to improve its	Unaccounted water	sections of the society.	improve its water	Present UFW 28%.	affordable across all	unaccounted loss of
		-	optimal quantity	water supply.	loss is less than	Unaccounted loss less	supply. Unaccounted	Source: SLB 2015.	sections of the society.	water less than 15%. It
			standards.	Unaccounted water	20%.	than 15%.	water loss is less than		Unaccounted loss less	is proposed to install
			Unaccounted	loss is less than			30%.		than 15%.	Smart Water Meters
			water loss is	30%.						under Smart City
			above 40%							Project;
17	Water	A Smart City has	The city does not	The city has meters	The has meters for	The city has meters for	Scenario 1:	Extent of metering in	Scenario 4:	Smart meters are
	manag	advanced water	measure all its	for all its water	all its water supply	all its water supply. It	The city does not	18% of connections,	The city has meters for	proposed under smart
	ement	management	supply. It does not	supply but lacks	with some smart	includes smart	measure all its supply.	Extent of reuse of waste	all its water supply. It	city project for entire
		programs, including	recycle waste	mechanisms to	mechanisms to	mechanisms to monitor	It does not recycle	water is 0%	includes smart	city. 24x7 water supply
		smart meters, rain	water to meet its	monitor. Water	monitor. Rainwater	remotely. Rainwater	waste water to meet	Source: SLB-2015	mechanisms to monitor	will be made available in
		water narvesting,	requirements and	wastage is very	narvesting systems	installed and utilized	its requirements and		hervesting systems are	next 3 years time with
		infractructure to	hanvesting is not	nigh. Some, but not	are installed and	through the city and	is not provolont		installed and utilized	the storm water is
		manage	nrovalent	harvesting exists	collected and stored	storm water is collected	Elooding often occurs		through the city and	collected through
		stormwater runoff.	Flooding often	nuivesting exists.	in water hodies	and stored in water	due to storm water		storm water is collected	nrimary and secondary
		(Guideline 6.2)	occurs due to		However, recycling	bodies and treated for	run-off.		and stored in water	drains and used for
		(,	storm water run-		of waste water and	usage. Recycled waste			bodies and treated for	reacharge of water
			off.		reusage of storm	water is supplied for			usage. Recycled waste	bodies.
					water is limited.	secondary uses.			water is supplied for	
									secondary uses	
18	Waste	A Smart City treats	The city is unable	Most waste water is	All the waste water	The city has zero waste	Scenario 1:	City does not have STP	Scenario 3:	Provision of sewer
	water	all of its sewage to	to treat all its	collected and	is collected and	water because all the		and entire wastewater is	All the waste water is	network and modern
	manag	prevent the	sewage. Many	treated before	treated before	waste water is collected,	The city is unable to	being disposed into	collected and treated	STP is proposed.
	ement	polluting of water	local sewer lines	before disposal.	before disposal. It is	treated and recycled. It	treat all its sewage.	Bellary nallah.	before disposal. It is also	Already Rs. 155 crore
		bodies and	open on to water	However the	also treated to a	meets standards an	Many local sewer lines		treated to a high	sanctioned under
		aquifers. (Guideline	bodies and open	treated water does	high standard and	reduces the need for	open on to water		standard and some is	AMRUT.
		2.4)	ground and	not meet standards	some is recycled.	fresh water.	bodies and open		recyclea.	
			environment	for secondary uses			the environment			
19	Air	A Smart City has air	City does not have	City has programs	City has programs	The city has clean air by	Scenario 1: City does	Though there are no	Scenario-3:	City is planning to put
	quality	quality that always	plans, policies or	and projects to	and projects to	international standards	not have plans.	monitoring stations at	City has programs and	monitoring stations in
	,	meets international	programs to	monitor air quality	monitor air quality	Live Air quality	policies or programs	present, Belagavi is	projects to monitor air	place in important
		safety standards.	improve the air	and spatialising the	and spatialising the	monitoring cover the	to improve the air	having abundant green	quality and specializing	junctions. Provision of
		(Guideline 2.4.8)	quality. Systems	data to ascertain	data to ascertain	entire city and data of	quality. Systems to	cover with big trees	the data to ascertain	cycle tracks and
							1		1	1

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Α	В	С	D	E	F	G	Н	1	J	К
SI. No	Featur e	Definition	Scenario 1 (BASE)	Scenario 2	Scenario 3	Scenario 4 (ADVANCED)	Self-assessment for the full city with regard to each	Basis for assessment and/or quantitative indicator (Optional -	Projection of 'where the city wants to be' with regard to the	Input/Initiative that would move the city from its current status
							feature	only if data exists)	feature/indicator based on the city vision and strategic blueprint	to Advanced status (Scenario 4: Column G)
			to monitor air quality are absent.	reasons for degrees of pollution in the air. A few strategies to decrease air pollution have been implemented.	reasons for degrees of pollution in the air. Pollution levels are acceptable.	air quality are mapped.	monitor air quality are absent.	along the roads, cantonment area with 80% green cover due to which the environment is in prestine conditions. However, city is planning to procure the monitoring stations for base line data and to keep the pollution levels under check.	reasons for degrees of pollution in the air. Pollution levels are acceptable.	dedicated bus lanes, footpaths can encourage NMT and public transport. Thereby reducing the air pollution.
20	Energy efficie ncy	A Smart City government uses state-of-the-art energy efficiency practices in buildings, street lights, and transit systems. (Guideline 6.2)	City has no programs or controls or incentive mechanisms to promote or support energy effeciency in buildings	The city promotes energy efficiency and some new buildings install energy efficiency systems that track and monitor energy use and savings.	Most new public buildings install energy efficiency systems and some older buildings are also retrofitted to be more energy efficient. Local government conducts counselling and outreach with developer, businesses and residents to adopt energy efficiency strategies	All the existing old and new public buildings employ energy efficiency principles in development and operation and apply for energy rating by national and international forums. Many non-public buildings are also energy efficient because the government promotes energy efficiency through incentives and regulations.	Scenario 2: The city promotes energy efficiency and some new buildings install energy efficiency systems that track and monitor energy use and savings.	Solar panels in KLE Medical college and hospital, Angadi college of engineering.	Scenario 4: All the existing old and new public buildings employ energy efficiency principles in development and operation and apply for energy rating by national and international forums. Many non- public buildings are also energy efficient because the government promotes energy efficiency through incentives and regulations.	Under smart city plan it is proposed to have Solar Roof Top system at institutions and government offices and making bylaws to make it mandatory for all new flat roof buildings to install solar roof top panels.
21	Underg round electric wiring	A Smart City has an underground electric wiring system to reduce blackouts due to storms and eliminate unsightliness. (Guideline 6.2)	City does not have plans for underground electric wiring system.	More than 40% of the city has underground electric wiring system.	More than 75% of the city has underground electric wiring system.	More than 90% of the city has underground electric wiring system.	Scenario-2: More than 40% of the city has underground electric wiring system.	Ongoing-11 KV line Underground cabling. Project cost Rs 316.27 Cr.	Scenario-4: More than 90% of the city has underground electric wiring system.	Laying of HT Underground lines is already in progress for entire city. Proposals for Underground Utility ducting and Underground LT Lines are taken up in next 10 year's time;
22	Sanitat ion	A Smart City has no open defecation, and a full supply of toilets based on the	Many parts of the city do not have access to sanitation	Sanitation facilities are available to 70% of the city's population.	Sanitation facilities are available to 90% of the city's population.	Sanitation facilities are available to 100% of the city's population.	Scenario-3 : Sanitation facilities are available to 90% of the city's population.	93% Based on SLB-2015	Scenario 4: Sanitation facilities are available to 100% of the city's population.	Works are being taken up for Construction of Sewage Treatment Plant catering to entire city

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No	е						the full city with	and/or quantitative	city wants to be' with	would move the city
							regard to each	indicator (Optional -	regard to the	from its current status
							feature	only if data exists)	feature/indicator based	to Advanced status
									on the city vision and	(Scenario 4: Column G)
									strategic blueprint	
		population.	infrastructure and							and sewer network for
		(Guidelines 2.4.3 &	facilities.							under covered areas
		6.2)								with cost of Rs 200
										crore; Provision of
										Public Urinals & Toilets.
23	Waste	A Smart City has a	Waste collection	Waste generated is	Waste is	The city reduces land fill	Scenario 2:	Extent segregation of	Scenario 4:	Proposals for
	manag	waste management	systems do not	usually collected but	segregated,	caused by waste so that		municipal solid waste -	The city reduces land fill	implementation:
	ement	system that	pick up waste on a	not segregated.	collected, recycled	it is minimal. All the solid	Waste generated is	20% (SLB-2015)	caused by waste so that	Segregation of Waste
		removes household	frequent basis	Recycling is	and disposed in an	waste generated is	usually collected but	Compost plant	it is minimal. All the solid	and establishing a RDF
		and commercial	and waste often	attempted by	environmentally	segregated at source	not segregated.	capacities 100 TPD.	waste generated is	Plant for Waste to
		garbage, and	enters into water	difficult to	sound manner.	and sent for recycling.	Recycling is attempted		segregated at source	Energy.
		disposes of it in an	bodies.	implement.		Organic waste is sent for	by difficult to		and sent for recycling.	
		environmentally				composting to be used	implement.		Organic waste is sent for	
		and economically				for gardening in the city.			composting to be used	
		sound manner.				Energy creation through			for gardening in the city.	
		(Guidelines 2.4.3 &				waste is considered.			Energy creation through	
24	Safaty	0.2) A Smart City has	The city has low	The city has	The city has high	The city bac yory high	Sconaria 2:	Soporato Bolico	Sconario 4:	Brovision of surveillance
24	and	high levels of public	levels of public	medium levels of	levels of public	levels of public safety -	Scenario-S.	commissionerate has	The city has very high	compros at all junctions
	securit	safety especially	safety - most	nublic safety - some	safety - all citizens	all residents feel safe in	The city has high	been setun in Belagavi	levels of public safety -	and streets provision of
	v	focused on women	groups of	more vulnerable	including women	all parts of the city	levels of nublic safety -	city Total eight police	all residents feel safe in	high mast lights and
	у	children and the	residents feel	groups feel insecure	children and the	during all hours of the	all citizens including	stations and one dedi-	all parts of the city	street lights monitoring
		elderly: men and	insecure during	during some points	elderly f eel secure	day.	women, children and	dedicated women police	during all hours of the	in central command area
		women of all ages	most parts of the	of the day and in	in most parts of the		the elderly feel secure	station is available. City	day.	using ICT.
		feel safe on the	day in many parts	some parts of the	city during most		in most parts of the	is having better safety		
		streets at all hours.	of the city.	city	time in the day.		city during most time	conditions and there is		
		(Guideline 6.2)	,	/			in the day.	reduction in the		
		. ,					,	cognizable cases and		
								fatal road accidents;		
								Women helpline center		
								and child help line		
								center added; Night		
								patrolling is being		
								provided throughout		
								city. Auto drivers have		
								been provided		
								identitycards.		



ANNEXURE - 3.2



ANNEXURE-3.2





Key Features of Area Based Proposal-1

ABD-Improving facilities and services through Multi-Utilities Complexes (MUCs)

Belagavi One Center

• Public utility offices- like

- Belagavi One / Citizen Service Centre
- Local municipal ward offices
- Post office, Various Bill payment & Receipt counters etc
- Skill Development Centre and Incubation Centre (NSIC)
- Transport Facilities Bus terminal (5-8 Transit Buses platforms)
 - Auto rickshaw stand /Taxi Stand (10 Veh.)
 - Modern Cycle Stations (25-30 Bicycles)
- · Informal sector/ public hawkers' spaces/zones

• Public conveniences facilities: Community toilets & Fresh drinking water kiosks)

• Open plazas with sit-out benches, Fountains, Landscaping/ Greenery & Wi-fi Zones

• Convenient shopping and Local shops including ATMs etc

• Commercial cum Office complex, Restaurants, Banquet Halls, Small lodges etc.

#	LOCATION	Land in Possession of	EXTENT (ACRES)
1	DHARMANATH CIRCLE	Corporation	13
2	RAM TEERTH NAGAR	BUDA	2.7
3	MAHANTESH NAGAR	Corporation	1.36
4	1 st Gate Opp Kalamandir	Corporation	1.15
5	Fort Road	Cantonment	3.44

ABD- Improvement of Central Bus Terminus (CBT)

• MODERN BUS STATION :

- Terminal building (G+1)
- Dormitory
- Local Convenience shop
- Waiting cum seating lobby space
- Public Toilets
- Accessible to differently challenged people
- COMMERCIAL cum OFFICE COMPLEX
- MULTI LEVEL CAR PARKING (G+2)
- ROOF TOP SOLAR PANALLING
- RAIN HARVESTING
- AIR AND NOISE POLLUTION MONITORING SYSTEM

Smart Bus Station - in line with KSRTC, Mysore

- LED Boards
- LCD Displays / Video Walls
- Vehicle Location (Real time)
- Control Station
- Enterprise Management System / MIS

Smart Buses

- Passenger Information Systems (Real Time)
- Vehicle Mounted System GIS/GPS
- In Vehicle Display
- Automated Voice Announcement System
- Smart ticketing (RFID)

KEY FEATURES

- Located on vacant sites of Mpl. Corp./BUDA/Cantt.
- 6 Sites identified -abutting to
- Major roads / Junctions

• Management & Maintenance under Professional agencies with smart O&M techniques

• Rainwater Harvesting

• Air and noise pollution monitoring systems

- SMART SOLUTIONS
 - Intelligent Parking Mngt. system
 - Smart card
 - PIS
 - Bicycles sharing system



KEY FEATURES

Site Extent 26 Acres

•Self sustainable Terminal facilities along with SMART solutions

- •Intelligent Parking Mngt. system
- •Smart card
- •PIS
- •Smart Ticketing
- •LED Boards
- •LCD Displays / Video Walls
- •Vehicle Location (Real time)
- •Control Station
- •Enterprise Management System / MIS





Key Features of Area Based Proposal- 2

ABD- New City Center

#	LOCATION	Land in Possession of	EXTENT (ACRES)
1	KALA MANDIR	Corporation	2.1
2	DHARMANATH CIRCLE	Corporation	13
3	OLD PB ROAD	Cantonment	3.44

DHRAMNATH CIRCLE : Central level Community Facility Area Extent: 13 acres

ACTIVITIES PROPOSED

•Shopping Mall cum Multiplex Block, Shopping for Informal sector, Local shops, Family entertainment and Restaurants, Food court

- ·Offices/IT Complex and Incubation centre
- ·Skill Development Centre
- •Multi Utilities Centre
- ·Parking: 100 cars, 200 2-wheelers
- Bus Terminal
- ·25-30 bicycles
- ·3 wheeler parking- 25 vehicles





LEGEND

Kala Mand

2) Dharmanath Circ 3) Multi Utility Cera

KALAMANDIR : Sector level Community Facility Area Extent: 2.1 acres

ACTIVITIES IN THE PREMISES

- Multi Level Car Parking Lot (G-2)
- · Multimodal Parking stand (Auto & Cycle)
- Shopping mall including Multiplex
- Atrium
- Branded Shops
- Local shops
- · Family entertainment and Restaurants, Food court etc
- · Mini Auditorium cum Culture center
- ·Other Community Facilities

BENEFITS INCLUDE

- ·Convenience to citizens (most citizen services available at one place)
- ·Enhanced Community facilities will increase the livability of citizens
- · The New Civic center will enhance the revenues of the corporation.
- •Ease of Parking problems in & around Shukrawarpet and Tilakwadi Railway Gate – I and adjoining inner city area
- •Optimal use of land value (the site is located in the heart of the city)
- •Upfront / Recurring cash inflow, to the Corporation during the concession period (In PPP Mode)
- Transfer of asset to the corporation at the end of the concession period

beine



Before

Key Features of Area Based Proposal- 3

ABD-Improvement of Neighborhood Parks & Recreational Spaces

PUBLIC CONVENIENCES FACILITIES:

•Community toilets

- •Fresh drinking water kiosks
- Children play area : Swing , Slides , hanging bar etc • Jogging Tracks
- •Open plazas with sit-outs benches for senior citizens, Fountains, Landscaping/ Greenery & Wi-fi Zones
- •Establishment of nursery
- •Water body, Ponds, Aquatic Plants, Walking tracks along water body
- Parking plazas
- •Cycle stations

Conservation and improvement of foreshores

Vaccine Depot as Heritage Park- Activities



-			_
		Land in	Extent
1	MAHANTESH NAGAR 1	Corporation	0.68
2	MAHANTESH NAGAR 2	Corporation	0.68
3	SHREE NAGAR GARDEN	Corporation	1.98
4	RANICHENNAMMA GARDEN M.M EXTENSION	Corporation	0.89
5	KARANJIMATH UDYAN	Corporation	1.76
6	SHIVALAYA UDYAN. SHIVABASAV NAGAR	Corporation	1.01
7	GARDEN AT MM NAGAR EXTENSION SECTOR-12	Corporation	3.47
8	PRAGATHI GARDEN	Corporation	0.88
9	MALA MARUTI OPP. POLICE STATION	Corporation	1.24
10	BHAGAVAN MAHAVEER UDYAN	Corporation	0.87
11	BASAVESWAR UDYAN	Corporation	2.96
12	NURSURY UDYAN, GOAVES	Corporation	0.76
13	MAHATMA PULE UDYAN, TILAKWADI	Corporation	0.13
14	VACCINE DEPOT UDYAN, TILAKAWADI	Corporation	1.03
15	BR. NATH PAI UDYAN	Corporation	1.32
16	MARATHA COLONY UDYAN	Corporation	0.15
17	CONGRESS WELL PARK	Corporation	0.97
18	KARIAPPA COLONY GARDEN	Corporation	0.61



ABD- Conservation & Preservation of Central Area

ACTIVITIES in MOAT PREMISES : REJUVENATION OF MOAT AREA AS A WATER BODY AND LANDSCAPED AREA Before

• Removing the algae and weed • Dredging the moat to have proper depth • Aerators & Connecting with Kotekere • Development of Natural aquarium · Foot over bridges •Recycling of Water (Aeration) in MOAT • Canoeing & fountains in MOAT **THEME BASED PARKS AND GARDEN** • Walkway- Jogging Tracks • Public recreational space • Open sit out area, Furniture • Sound & light show-Laser Show • Open air theatre Improving the Lake and MOAT Hydraulics **MOAT PREMISES INCLUDES** • Vegetable market Premises •Open Parking Lot

- MOAT AREA
- •Open Land Under Income tax Dept



After



KEY FEATURES

•Cleaning of MOAT to make it pollution-free

- •Retain and replenish the water
- · Creating a safe habitat environment
- Development of Public and recreational spaces
- Strengthen the MOAT/ Canal edge Improve accessibility and connectivity in the area
- Generate resources to pay for all of the foregoing
- Integrate with city development
- Increase groundwater recharge



ICT Components - GIS and GPS enablement (in Balanced 3 1 2 E-Governance Utilities stage I 54km of roads with 17km economy of ring road, zone control in stage II) •Suitable for: •ULB and Government •Electricity and Water - CCTV monitoring (currently only •Industries with existing sector e-enabled •Coverage of 97% infrastructure - with more 19 cameras are enabled), need to Provides platform for Electricity than 50% of city to provide citizen Enables metering augment to 12 + 38 + 88 in Stage I population as work force and optimization services over Educational institutes and another 54 + 17 + 70 in Stage II with more than 97% internet through web •Water distribution population enrolled in - Integrated monitoring through a and mobile channels through tanks, wells primary education central monitoring team and other features - Information Cooperative Agriculture and Animal husbandry accessible through GIS enabled - Parking is monitored through ·Healthcare with a ratio of official websites tickets and location CCTV 1:2500 doctors to citizens •Transport hub through distributed connectivity (rail - 36 km, roads -634km) Operations Markets Service Provide Bulk Generation Customer Distribution Transmissions SMART GRID A vision for the future — a network of integrated microgrids that can monitor and heal itself. nanageme lse can be shifted to off-eak times to save mone ·Command Center - Enable service delivery and monitoring through command center - Real time dashboard that would be developed using responsive UI design e Governance & Citizen **Energy Management** Water Management Services 1. Mobile App for Public Roof Top PVs Solar light 1. Storm Water Management 1. Smart Meters & Sensors by Sensors Services 2. Energy Efficient & Green Flood management and 2. Smart 3. 2. Electronic building Buildings alert system for evacuation approvals Street Energy efficient street lighting 3. 4. Managing Pumping Wifi Hot Spots 3. with sensors requirements with sensors Lighting Smart Street Vendor App & 4 5 Usage of energy saving pumps 4 Smart Meters Cards ESCO model of and Leakage detection Water Quality monitoring implementation 6. Intelligent building 5. Survillience solutions Smart Cameras **Urban Mobility** Waste Management **Other Facilities** Metering 1. Intelligent Traffic Waste to energy & fuel Telemedicine & Tele 1. 1. Waste to compost Management System Education Trade Facilitation Centres Waste water treatment 2. Smart Parkings Smart meters integrated 4. RRR of Waste 3. Skill Development Centres 3. Integrated Multi Model with e-governance services Transport System Monitoring of discharge, 4. Tolling and congestion charging treatment through smart meters

5 Seamless connectivity

3.9 CITIZEN INTERACTONS





3.10 ADVERTISEMENT IN BANNER AND HOARDINGS















3.13 CITIZEN SURVEY QUESTIONNAIRE

1.11	and the second sec		Statute aller		Sugar State
lame :	17 数件经济公司		Place of residence:		
low long ears) :	have you been staying in Belagavi (No. of	-	Age		Gender :
Occupatik	on:	- 1	Mobile #	1	
Nard # :	A CONTRACTOR	1	Email Id	1	
	and the state of the		18 8 8 8 8 8 8		1429.1
1	Pie	ase ra	te overall city facilities (🗹)		
. Overa	II City water supply	1	Most saisfied	Satisfied	Improvements Required
. Overa	Il Electricity supply	-	Most saisfied	Satisfied	Improvements Required
loor to d	Il Sewerage and waste management - Is oor collection happening?	1	Most salsfied	Satisfied	Improvements Required
). Trans	port facilities	-	Most saisfied	Satisfied	Improvements Regulaed
E. Amer incroach	lities for pedastrians and footpaths, ment-free public areas	1	Most salsfied	Satisfied	Improvements Required
Qualit	ty of roads and parking facilities	10	Most salsfied	Satisfied -	Improvements Required
i. Traffi	c signals and traffic sense	-	Most salsfied	Satisfied	Improvements Required
i. Street	t lights and signages	1	Most saisfied	Satisfied	Improvements Required
Herita	age Preservation, Tourism facilities	10	Most saisfied	Satisfied	Improvements Required
. Police	e, fire and ambulance services	100	Most saisfied	Satisfied	Improvements Required
-	t.				
n your o	pinion choose what all factors need to be	Includ	led in Smart city vision. Sele	ct all that are rele	evant in priority order
	Table-01		1	1	1
SI. No.	Sector	SL. No.	Sector	SI. No.	Enter SI. No. of the Secto from the Table-01 as per your priority
1	Improvement in core commercial areas of the city	8	Environment	1	
2	Development of existiang commercial places like old markets, dilapilated complex etc.	9	Health care	2	
3	Housing for urban poor	10	Water	3	1
	Development of new areas for housing and infrastructure needs of the city for the future	11	Sanitation	1.4	
5	e-Government initiatives	112	Safety & Security	5	
6	Education & skills improvement	13	Disability services	6	R
7	Energy efficiency & Improvement	14	Senior citizen amenities	7	
			- 3 - 2 - 4 - 2	B	
Glue	e emait colutions for fiture Balance of		1.1.1	9	-
Sive you	a smart solutions for ruture belagavi Smart	City:		10	1.1.1
£	1				
	1999 (N. 1997)	1			
			1 1 1 1 1	13	
		r.	and States		
1			1. 1.	14	

3.14 Milestone showing timelines of Area Based Development and Pan City Proposal





3.15 SPV Structure



3.16 Organogram at shows the relation between all those who helped you create this proposal and the role they will play in the future



3.17 Financial Plan

Description	Cost (Rs.Cr.)	SFC	14th Finance	State Special Grant	ULB	Schemes	Scheme Details	Smart City	Departments	Dept.s Details	РРР
AREA BASED DEVELOPMENT											
INNOVATIVE USE OF VACANT SPACES											
Taking governance to the neighbourhoods (Multi-Utilities Facilitation Centers - Green building	s embedded with I	Belagavi-One)									
Dharamnath Circle	46.00	-	-	-	-	-	-	-	-	-	46.00
Ramteerth Nagar	38.00	-	-	-	-	-	-	-	-	-	38.00
Mahantesh Nagar	29.00	-	-	-	-	-	-	-	-	-	29.00
First Rly Gate Opp. Kalamandir	43.00	-	-	-	-	-	-	-	-	-	43.00
Fort Road	11.40	-	-	-	-	-	-	-	-	-	11.40
Total	167.40	-	-	-	-	-	-	-	-	_	167.40
			Developing The	me based and her	itage Parks & Re	creational Space	ces				
Development of a Heritage Park	26.00	-	-	-		-	-	26.00	-	-	-
Theme-based development/Improvement of Neighborhood Parks & Recreational Spaces	15.00	-	-	-		3.00	AMRUT	8.00	4.00	BUDA (Shivcharitra)	-
Urban afforeastation through block plantations	5.00				1.00			3.00	1.00	Forest	
Avenue Plantation	2.00	-	-	-	1.00	-		1.00			-
Art Gallery Cum Exhibition Center and Children Science Park	14.00							14.00			
Rehabitilation of Cattle and Pigs	1.00							1.00			
Parking forPrivate buses , Mini LCV on Hires charges	2.00							2.00			
Rain Water Harvesting and composting facilities in parks and gardens	1.00							1.00			
Total	66.00	-	-	-	2.00	3.00	-	56.00	5.00	_	_
GRAND TOTAL	233.40										
Upgrading of Heritage Precincts								-			
Development of Fort and Moat Precincts	25.00	-	-	-		-	-	25.00	-	-	-
Improvement of Lakes	10.00	-	-	-		-	-	10.00	-	-	-
Total	35.00	_	-	_	-	-	-	35.00	-	_	-
24 x 7 Water supply. Smart Metering											
Water Metering	9.00	-	-	-		-	-	9.00	-		-
Total	9.00	_	-	_	-	-	-	9.00	-	_	-
Enviornment . Energy Efficiency . Renewable Energy											
Smart Electricity Metering	8 50	-		-		-	-	8 50	-		-
Energy Efficiency Program for Street lighting	5.00			-				-			5.00
IIG - IT Cabling	168.00							168.00	_		5.00
Air Quality, Water Quality, Recharge of Water Bodies	15.00							10.00			5.00
	196 50	_		_		_	-	186 50	_		10.00
Affordable Housing	190.00							-			10.00
Development of Affordable Housing for FWS	84.00					77.00	PMAX & Vajapevi Housing	7.00	-	-	-
EWS Housing in Approved BLIDA Lavout	43 52					30.00	PMAY & Vajapevi Housing	18 96			
Total	127.52	_	-	-		107.00	-	25.96	_	_	-
Skill Development Center						107100					
Skill Development Center	8.00							8.00			-
Total	8.00	_		_				8.00	_		_
UG Ducting	0.00							0.00			
Multi-utility LIG Ducting	62.00							62.00			-
Total	62.00	_	-	-		_	-	62.00	_	_	-
Non Materized Transport Walkability, Network Connectivity, MICP, Para Transit	02.00							02.00			
Padestrian friendly Dathwars	45.00	0.75	1.00					24.25			
Pedestrian friendly Pathways	45.00	8.75	1.90	-		-		34.35	-		-
Cycle Hours	125.50	10.00		60.00				17.00	-		
	125.50	10.00	-	60.00				55.50	-		-
lotal	187.50	18.75	1.90	60.00	-	-	-	106.85	-	-	-
Urban Widblinty	110.00							20.00	20.00	KODIC	50.00
There are a second and the second an	110.00	-	-	-	-	-	-	30.00	30.00	KSRTC	50.00
Flyover	129.00	-	-	-	-	-	-	-	129.00	PWD	
Underpass	56.00	-	-	-	-	-	-	-	56.00	PWD	
ROB	101.00	-	-	-	-	-	-	-	101.00	PWD	
Improvement of Road Junction Ambience	4.00	-	-	-	-	-	-	2.00	-	-	2.00
Total	400.00	-		-		-	-	32.00	316.00	-	52.00
Development of City Centers on Green Building concept								-			
Development of modern market at Tilakwadi (Kalamandir)	53.00	-	-	-		-	-	16.00	-	-	37.00
Development of modern market at Dharamnath Circle	89.00	-	-	-		-	-	27.00	-	-	62.00
Swimming Pool and Badminton Court	3.75				3.75			27.000			02.00
Total	145.75	_	-		3.75	-	-	43,00	-		99,00
Sewerage System	143.73				3.73			45.00			55.00
Construction of STP_Lincovered LIGD_Improvement/Rehabitilation of sewerage lines	156.00					156.00	AMBUT	-			
Total	156.00	-	-	_	-	156.00	-	-	-	-	-
	200.00	1		1		100.00	1		I		

3.17 Financial Plan

Description	Cost (Rs.Cr.)	SFC	14th Finance	State Special Grant	ULB	Schemes	Scheme Details	Smart City	Departments	Dept.s Details	ррр
Public Convenience & Amenities											
Public Urinals & Toilets	1.50	1.50	-	-		-		-	-	-	-
Road Side Drinking Water Kiosks	9.00	-	-	-		-		9.00	-	-	-
Bus Shelters	0.50	-	-	-		-	-	-	-	-	0.50
Tourist Guidance Centers	3.00							3.00			-
Trauma Center (Dharamnath Circle)	3.00							3.00			-
Total	17.00	1.50	-	-	-	-	-	15.00	-	-	0.50
Solid Waste Management											
Solid Waste Management including RDF Plant	8.00	-	-	-		4.50	Swach Bharat Abhiyan	1.50	-		2.00
Iotal Chama Mahan Duala & Dashanan of Mahan Dadias	8.00	-	-	-	-	4.50	-	1.50	-	-	2.00
Driment & Casendary Drains	70.00	7.50	1.90	F 00				FF 70			
	70.00	7.30	1.80	5.00				55.70			
	70.00	7.50	1.80	5.00	-	-	-	55.70	-	-	-
Health	5.00							5.00			
Upgradation of Primary Health Centers	5.00							5.00			
	5.00	-	-	-		-	-	5.00	-	-	-
TUTAL - AKEA BASED DEVELOPMENT	1,660.67	27.75	3.70	65.00	5./5	270.50		641.51	321.00	-	330.90
Central Command Center Surveillance (GPRS Enabled CMOS Cameras) & Traffic Sensors (WVDs) Surveillance (GPRS Enabled CMOS Cameras) for Safety security of Women , Childre and senior citizens & Traffic Sensors (WVDs)	12.00	-	-	-		-	-	12.00	-		-
E-Governance (Applications, 3P Services)	12.00	-	-	-		-	-	12.00	-	-	-
Smart Metering for Electricity	51.50	-	-	-		-	-	51.50	-	-	-
Smart Metering Water Supply	53.00	-	-	-		-	-	53.00	-	-	-
IT Connectivity (Interconnectivity Klocks Wifi & GPRS Subscription)	45.00	-	-	-		-	-	-	10.00	BSNL	35.00
	173.50	_	-	-	-	-	-	128.50	10.00	-	35.00
Enviornment, Energy Efficiency & Renewable Energy	1,0,00							120.00	20.00		
Solar Rooftop Paneling (30MW)	195.00	-	-	-		-		-	-	-	195.00
Wind Power Generation (30 MW)	186.00										186.00
Energy Efficiency - LED Street Lighting	29.00										29.00
UG - HT Line	316.27	-	-	-		-		-	316.27	HESCOM	-
TOTAL	726.27	-	-	-	-	-	-	-	316.27	-	410.00
Water Supply & Waste Water Management									1		
24x7 Water Supply - Phase I	427.00	-	-	93.50	120.00	213.50	World Bank	-	-	World Bank+SG+CCB	-
Integrated SWM	38.00	-	-	-	9.50	28.50	Swach Bharat Abhiyan	-	-	-	-
TOTAL	465.00	-	-	93.50	129.50	242.00	-	-	-	-	-
Traffic, Transport & Monbility											
Intelligent traffic management system	10.00							10.00			
Non Vehicle street / Zones and Hawkers zone	10.00							10.00			
Priority Bus Lanes	21.00	-	-	-		-	-	21.00	-	-	-
Bus Terminals With Multi-Utility Facilitation Centers	130.00	-	-	-		-	-	52.00	-		78.00
Smart Bus Shelters	1.00	-	-	0.30		-	-	-	-	-	0.70
Paratransit	1.00	-	-	-		1.00	FAME India	-	-	-	-
Battery operated Autorickshaws (Retrofitting Kit)	0.80					0.75	FAME India	0.05			-
Retrofitting Midi Buses of NWKRTC	23.40					19.50	FAME India	3.90			
Pedestrian friendly Pathway	67.00	-	-	-		-	-	67.00	-	-	-
Cycle Tracks	68.00	-	-	-		-	-	68.00	-	-	-
Improvement of Road Junction Ambience	8.50	-	-	-		-	-	7.00	-	-	1.50
TOTAL	340.70	-	-	0.30	-	21.25	-	238.95	-	-	80.20
Nartural Gas Distribution											
City Gas Distribution	150.00	-	-	-	-	-	-	-	-	-	150.00
TOTAL	150.00	-	-	-	-	-	-	-	-	-	150.00
Health	056.55								050.55		
Super-specialty hospital at BIMS	350.00							-	350.00	Health Dept	
	350.00		-	-	-	262.25	-	-	350.00	-	-
	2,205.47	27.75	- 2 70	33.80	125.50	203.25	-	307.45	0/0.2/	-	1.000.10
GRAND TOTAL (KS.CFORES)	5,000.14	21.75	5.70	120.90	155.25	555.75	-	1,008.96	991.21		1,006.10

3.18 O&M Cost and Life Time

											OPER/	ATION					
Description	Project Cost (Rs.Cr.)	O&M Cost %	Remark	1	2	3	4	5	6	7	8	9	10	11	12	O&M Costs	Life Time Costs
AREA BASED PROPOSALS																	
Taking governance to the neighbourhoods (Multi-Utilities Facilitation Centers - Green buildings embedded with Belagavi-One)	-																
Dharamnath Circle	46.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	46.00
Ramteerth Nagar	38.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	38.00
Mahantesh Nagar	29.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	29.00
First Rly Gate Opp. Kalamandir	43.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	43.00
Fort Road	11.40		PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	11.40
Developing Theme based and heritage Parks & Recreational Spaces	-			-	-	-	-	-	-	-	-	-	-	-	-	-	
Development of a Heritage Park	26.00	0.50%		0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.25	0.26	2.40	28.40
Theme-based development/Improvement of Neighborhood Parks & Recreational Spaces	15.00	0.50%		0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.15	1.38	16.38
Urban afforeastation through block plantations	5.00	0.50%		0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.46	5.46
Avenue Plantation	2.00	0.50%		0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.18	2.18
Art Gallery Cum Exhibition Center and Children Science Park	14.00	0.50%		0.08	0.09	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13	0.14	1.29	15.29
Rehabitilation of Cattle and Pigs	1.00	0.00%		-	-	-	-	-	-	-	-	-	-	-	-	-	1.00
Parking forPrivate buses , Mini LCV on Hires charges	2.00	0.50%		0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.18	2.18
Rain Water Harvesting and composting facilities in parks and gardens	1.00	0.00%		-	-	-	-	-	-	-	-	-	-	-	-	-	1.00
Upgrading of Heritage Precincts	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Development of Fort and Moat Precincts	25.00	0.50%		0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.20	0.21	0.22	0.24	0.25	2.30	27.30
Improvement of Lakes	10.00	0.50%	Private Maintenance	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.92	10.92
24 x 7 Water supply. Smart Metering						-		-	-	-	-	-	-	-	-	-	
Water Metering	9.00	15 00%		1.56	1 64	1 72	1.81	1.90	1 99	2 09	2 20	2.31	2 42	2 55	2 67	24.88	33.88
Enviornment , Energy Efficiency , Renewable Energy	-			-	-	-	-	-	-	-	-	-	-	-	-	-	
Smart Electricity Metering	8.50	15.00%	PPP	1.48	1.55	1.63	1.71	1.79	1.88	1.98	2.08	2.18	2.29	2.40	2.52	23.49	31.99
Energy Efficiency Program for Street lighting	5.00	2 00%		0.12	0.12	0.13	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.19	0.20	1.84	6.84
UG - I T Cabling	168.00	1 00%	HESCOM	1.94	2.04	2 14	2 25	2.36	2 48	2.61	2 74	2.87	3.02	3.17	3.33	30.96	198.96
Air Quality, Water Quality, Recharge of Water Bodies	15.00	0.50%		0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.15	1.38	16.38
Affordable Housing	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Development of Affordable Housing for EWS	84 00	0.00%	Private	-	-	-	-	-	-	-	-	-	-	-	-	-	84.00
EWS Housing in Approved BUDA Layout	43.52	0.00%	Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	43.52
Skill Development Center	-			-	-	-	-	-	-	-	-	-	-	-	-	-	
Skill Development Center	8.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	8.00
UG Ducting	-	0.0070		-	-	-	-	-	-	-	-	-	-	-	-	-	
Multi-utility LIG Ducting	62.00	0.50%		0.36	0.38	0.40	0.42	0.44	0.46	0.48	0.50	0.53	0.56	0.58	0.61	5 71	67 71
Non Motorized Transport, Walkability, Network	-	0.0070		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Connectivity, MLCF, Fara Transit	45.00	2.00%		1.04	1.00	4.45	1.01	4.07	1.00	1.40	4 47	4.5.4	1.00	1 70	1 70	40 50	C4 E9
Cuele Treake	45.00	2.00%		1.04	1.09	1.15	1.21	1.27	1.33	1.40	1.47	1.54	1.62	1.70	1.78	10.36	01.00
Carriageway Improvement	125.50	5.00%	Private	7.26	7.63	8.01	8.41	8.83	9.27	9.73	10.22	10.73	11.27	11.83	12.42	115.62	23.20
Urban Mobility			wannenance														_
Urball Wobility	-			-	-	-	-	-	-	-	-	-	-	-	-		-
Terminus	110.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	110.00
Flyover	129.00	2.00%		2.99	3.14	3.29	3.46	3.63	3.81	4.00	4.20	4.41	4.63	4.86	5.11	47.54	1/6.54
Underpass	56.00	2.00%		1.30	1.36	1.43	1.50	1.58	1.65	1.74	1.82	1.92	2.01	2.11	2.22	20.64	76.64
ROB	101.00	2.00%		2.34	2.46	2.58	2.71	2.84	2.98	3.13	3.29	3.45	3.63	3.81	4.00	37.22	138.22
Improvement of Road Junction Ambience	4.00	2.00%	PPP	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.16	1.47	5.47
Development of City Centers on Green Building concept	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Development of modern market at Tilakwadi (Kalamandir)	53.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	53.00
Development of modern market at Dharamnath Circle	89.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	89.00
Swimming Pool and Badminton Court	3.75	2.00%		0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.15	1.38	5.13
Sewerage System	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Construction of STP, Uncovered UGD,	156.00	0.00%	ULB	-	-	-	-	-	-	-	-	-	-	-	-	-	156.00

3.18 O&M Cost and Life Time

											OPER	ATION					
Description	Project Cost (Rs.Cr.)	O&M Cost %	Remark	1	2	3	4	5	6	7	8	9	10	11	12	O&M Costs	Life Time Costs
Improvement/Rehabitilation of sewerage lines																	
Public Convenience & Amenities	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Public Urinals & Toilets	1.50	2.00%		0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.55	2.05
Road Side Drinking Water Kiosks	9.00	10.00%		1.04	1.09	1.15	1.21	1.27	1.33	1.40	1.47	1.54	1.62	1.70	1.78	16.58	25.58
Bus Shelters	0.50	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50
Tourist Guidance Centers	3.00	0.00%	Tourism Dept	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00
Trauma Center (Dharamnath Circle)	3.00	0.00%	Private Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00
Solid Waste Management	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solid Waste Management including RDF Plant	8.00	2.00%		0.19	0.19	0.20	0.21	0.23	0.24	0.25	0.26	0.27	0.29	0.30	0.32	2.95	10.95
Storm Water Drain & Recharge of Water Bodies	-			-	-	-	-	-	-	-	-		-	-	-	-	-
Primary & Secondary Drains	70.00	0.75%		0.61	0.64	0.67	0.70	0.74	0.78	0.81	0.86	0.90	0.94	0.99	1.04	9.67	79.67
Health																	
Upgradation of Primary Health Centers	5.00	0.00%	DHO	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00
TOTAL	1,661			23	25	26	27	29	30	31	33	35	36	38	40	374	2,035
PAN CITY PROPOSALS	-																
EGOVERNANCE & IT ENABLEMENT	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central Command Center Surveillance (GPRS Enabled CMOS Cameras) & Traffic Sensors (WVDs) Surveillance (GPRS Enabled CMOS Cameras) for Safety security of Women , Childre and senior citizens & Traffic Sensors (WVDs)	12.00	5.00%		0.69	0.73	0.77	0.80	0.84	0.89	0.93	0.98	1.03	1.08	1.13	1.19	11.06	23.06
E-Governance (Applications 3P Services)	12 00	10.00%		1.39	1 46	1.53	1.61	1 69	1 77	1.86	1.95	2.05	2 16	2 26	2.38	22.11	34.11
Smart Metering for Electricity	51.50	15.00%		8.94	9.39	9.86	10.35	10.87	11 41	11.98	12.58	13.21	13.87	14.57	15 29	142.34	193.84
Smart Metering Water Supply	53.00	15.00%		9.20	9.66	10.15	10.65	11.19	11.75	12.33	12.95	13.60	14.28	14.99	15.74	146.49	199.49
IT Connectivity (Interconnectivity, Kiosks, Wifi & GPRS Subscription)	45.00	10.00%		5.21	5.47	5.74	6.03	6.33	6.65	6.98	7.33	7.70	8.08	8.49	8.91	82.92	127.92
Enviornment, Energy Efficiency & Renewable Energy	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solar Rooftop Paneling (30MW)	195.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	195.00
Wind Power Generation (30 MW)	186.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	186.00
Energy Efficiency - LED Street Lighting	29.00	0.00%	PPP	-	-	-	-	-	-	-	-	-	-	-	-	-	29.00
UG - HT Line	316.27	0.00%	HESCOM	-	-	-	-	-	-	-	-	-	-	-	-	-	316.27
Water Supply & Waste Water Management	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
24x7 Water Supply - Phase I	427.00	0.00%	SPV (water tariff)	-	-	-	-	-	-	-	-	-	-	-	-	-	427.00
Integrated SWM	38.00	2.00%		0.88	0.92	0.97	1.02	1.07	1.12	1.18	1.24	1.30	1.36	1.43	1.50	14.00	52.00
Traffic, Transport & Monbility	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-
Intelligent traffic management system	10.00	15.00%		1.74	1.82	1.91	2.01	2.11	2.22	2.33	2.44	2.57	2.69	2.83	2.97	27.64	37.64
Non Vehicle street / Zones and Hawkers zone	10.00	0.50%		0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.92	10.92
Priority Bus Lanes Bus Terminals With Multi-Utility Facilitation	21.00	5.00%	PPP	1.22	1.28	1.34	1.41	1.48	1.55	1.63	1.71	1.80	1.89	1.98	2.08	19.35 -	40.35
Centers		0.0070														ļļ	
Smart Bus Shelters	1.00	0.00%	999	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00
Paratransit	1.00	10.00%	D · · ·	0.12	0.12	0.13	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.19	0.20	1.84	2.84
Battery operated Autorickshaws (Retrofitting Kit)	0.80	0.00%	Private Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80
Retrotiting Midi Buses of NWKRTC	23.40	0.00%	NWKRIC	-	-	-	-	-	-	-	-	-	-	-	-	-	23.40
Pedestrian friendly Pathway	67.00	2.00%		1.55	1.63	1.71	1.80	1.89	1.98	2.08	2.18	2.29	2.41	2.53	2.65	24.69	91.69
Uycle I racks	68.00	2.00%		1.57	1.65	1.74	1.82	1.91	2.01	2.11	2.22	2.33	2.44	2.56	2.69	25.06	93.00
Improvement of Road Junction Ambience	8.50	2.00%		0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.28	0.29	0.31	0.32	0.34	3.13	11.63
Nartural Gas Distribution	-	ł	Duit i	-	-	-	-	-	-	-	-	-	-	-	-	-	-
City Gas Distribution	150.00	0.00%	Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	150.00
Health		0.007	50.40		<u> </u>												-
Super-speciality hospital at BIMS	350.00	0.00%	BIMS	-	-	-	-	-	-		40	40		50	50	500	350.00
	2,205.47			33	34	30	38	40	42	44	40	48	51	53	50	522	2,121
GRANDTUTAL	3,800			50	59	02	60	60	12	75	79	83	87	92	96	895	4,762

3.19 SPV's Income and Expenditure Statement

Operating Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Property Taxes	13.15	13.15	13.15	18.41	18.41	18.41	24.22	24.22	24.22	32.19	32.19	32.19	38.52	38.52	38.52
Development Charges	0.19	0.17	0.15	0.13	0.12	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11
Advertisement Tax	1.13	1.23	1.40	1.59	1.82	2.09	2.40	2.78	3.22	3.75	4.38	5.13	6.02	7.08	8.35
Entry Fees	0.77	0.81	0.85	0.99	1.03	1.09	1.28	1.34	1.41	1.66	1.74	1.83	-	-	-
Unorganized Sector Rentals	0.90	0.95	0.99	1.04	1.09	1.15	1.21	1.27	1.33	1.40	1.47	1.54	-	-	-
Revenues from Commercial Spaces (PPP)	32.58	34.21	35.92	37.72	39.61	41.59	43.67	45.85	48.14	50.55	53.08	55.73	58.52	61.44	64.52
UGD Cess	0.14	-	-	-	-	-	-	-	-	-	-	-	1.00	2.00	3.00
Sanitation Charge	2.17	2.17	2.17	2.38	2.38	2.38	2.62	2.62	2.62	2.89	2.89	2.89	-	-	-
Smart Metering Charge	25.93	25.93	25.93	25.93	25.93	-	-	-	-	-	-	-	-	-	-
Income from Advertising	0.10	0.11	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.16	0.16	0.17	-	-	-
Recovery of Ducting and Cabling through rents	7.67	8.05	8.45	8.88	9.32	9.78	10.27	10.79	11.33	11.89	12.49	13.11	13.77	14.46	15.18
Total	84.74	86.78	89.13	97.19	99.84	76.73	85.91	89.11	92.52	104.58	108.49	112.69	117.93	123.61	129.67
SPV Expenses															
Salaries & Admin	3.02	3.32	3.65	4.01	4.42	4.86	5.34	5.88	6.47	7.11	7.82	8.61	9.47	10.41	11.45
O&M Expenses	56.25	59.07	62.02	65.12	68.38	71.80	75.39	79.16	83.11	87.27	91.63	96.21	101.03	106.08	111.38
Total Expenses	59.27	62.39	65.67	69.14	72.79	76.65	80.73	85.03	89.58	94.38	99.46	104.82	110.49	116.49	122.83
Gross Income/loss	25.47	24.40	23.46	28.05	27.05	0.08	5.18	4.07	2.94	10.20	9.04	7.87	7.44	7.12	6.84
Cumulative Income/loss	25.47	52.16	80.31	115.60	153.05	166.90	187.10	208.01	229.67	260.54	293.03	327.27	364.16	404.06	447.26



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• FINANCIAL PLAN



CITY VISION

Belagavi, a thousand year old city with a rich heritage and a mosaic of different communities has a vision of an "inclusive, livable, culturally vibrant city emerging as an eminent destination for health, education, ancillary industry and logistics sectors". (HEAL City).

CITY GOALS Belagavi has set out for itself a calibrated path that will make it a highly livable city.

- 24x7 Potable water for all assuring quality, quantity and service by 2019 with smart metering and e-billing.
- Full coverage of UGD network with sewage treatment plant, recycling and reuse of treated water by 2019 also ensuring 100 % coverage of individual and 150 public toilets.
- Assured continuous electricity supply by augmenting 12% through renewable energy also aiming at reduction of T&D losses by under ground HT< lines by 2019, retrofitting of existing street lights with LED to minimize energy consumption by 2017.
- Achieve 100% door to door collection, segregation, scientific treatment and disposal ensuring waste to energy by 2017.
- Ensuring Intelligent Transport System assured last mile connectivity. Also ensuring of a city and 8 satellite bus terminii by 2019.
- Assured hassle free urban mobility, by completing 4 ROBs, 3 flyovers, under passes, junction improvement, pathway improvement, multi-level parking, dedicated parking zones and also ensuring safety and security through E-surveillance and police by 2018.
- Development of cycle tracks, improvement of footpath for walkability by completing --- and --- km by 2017 respectively.

CITY GOALS Belagavi has set out for itself a calibrated path that will make it a highly livable city.

- Ensuring the CDP of 2014 implemented with issue of building permissions mandating solar rooftop panels aiming towards provisioning for green building by 2018 along with already mandated rain water harvesting and solar water heaters.
- Achieve 80% coverage of flat roofed government buildings with Solar PV Panels by 2018.
- Ensuring air quality, maintaining desired green cover, developing parks and open spaces, water bodies by 2018.
- Provisioning adequate housing stock to EWS and slum dwellers through integrated vertical development by unlocking the reserved land of 30 acres by 2018.
- CNG and PNG Gas access to domestic, commercial and industrial use of the city by year 2018.
- ICT enablement by creating centralized command center and E-Governance to be fully accomplished through "Belagavi One Center" across the city. Providing 28 services of the ULB by 2017 and 72 services, including processing, to be online by 2018, with all 144 services by 2020.
- Preserving rich heritage Fort structure, developing heritage park with available 160 acres there by promoting cultural history to enable value based growth by 2018.
- New 18 km commercial corridor and Construction of Multi Utility Centers to augment decentralized growth, revenue recovery and promoting mixed land use at Five locations by year 2018.

SWOT ANALYSIS - STRENGTHS

Has a pleasant all year round climate. It is cradled by six rivers, also have augmented the surface water (Recharge & Availability) with ground water through rejuvenated open wells

Equidistant from Mumbai, Bangalore and Hyderabad and just about 100 kilometres to the Western coastline, near Goa.

Excellent connectivity to Major urban center by all modes.

Renowned hub for the production of milk (30% of the State's production), milk products, vegetables, fruits and high value cash crops like also has the largest number of sugar factories in Karnataka.

Acknowledged for its industrial skills, (Foundry, hydraulics & aluminium manufacturing)

India's first - Aerospace SEZ; NIMZ industrial cluster in 10000 acres.

Traditional strength in manufacturing Shahapur Silk Sarees is now augmented by power looms, on which 30,000 people are now directly dependent.

Although Belagavi is a 1000 year old city, almost 80% of the city's area is planned and has green lung space of 80% by having Cantonment area covering 18 sq.km

An educational hub - with three Universities, six medical colleges and several technical, management & arts colleges

Renowned for its healthcare center 10,000 beds the highest per capita in all Karnataka providing primary to advanced medical care.

Belgavi is the destination to which the Karnataka State shifts the entire legislative and administrative functions for two months of the year and the Government functions from the Suvarna Soudha complex which was completed in 2012.

SWOT ANALYSIS	
WEAKNESSES	THREAT
 Congestion in the central old part of the city. Absence of ring road increased traffic congestion. Only 48% of the city covered with sewerage scheme Sewage discharges to open nalla without treatment. Shortage of middle and low income housing stock. 	 Lengthy land acquisition procedures for development of a ring road is increasing the cost and delaying the project. The presence of the cantonment on both sides of the city limits extensive development activity in the CBD area.
OPPORTUN	ITIES
 Location advantage for growth of logistics parks ar Availability of skilled manpower- Potential for beco Availability of medical facilities -Potential for devel There is an opportunity to leverage the strength and dairy products. With many medium and small scale industries, ecorepute, mix of farm economy and dairy production Opportunity for planned unlocking of land in the c Building upon experience gained in formulating in a good opportunity to develop projects on PPP mod 	nd Container logistics center. Doming industrial hub in the region. Opment of health tourism sector. Of rural Belgavi in Agricultural, Horticultural lucational institutes and hospitals of national n, power loom textile industries, ity and its periphery. frastructure projects on PPP format, there is nde



STRATEGIC FOCUS

Developing the city with an integrated approach, synchronizing initiatives under all required sectors and consolidating the results for enhanced citizen experience is the objective of Belagavi's smart city plan.

- We are envisaging cross sector initiatives using ICT to enable better service delivery to the citizens.
- Execution designed and monitored to benchmark each initiative
- There are 3 core themes that are part of the growth trajectory:
 - ✓ ICT enablement to bring in maximum utilization of infrastructure
 - ✓ Integrated planning and execution of dependent sectors to ensure optimization
 - ✓ Citizen centricity to ensure all functionality is focused on delivering value to citizens





SELECTION OF AREA

- Decentralizing the inner city area
- Backbone of the city & axis of future development
- Enables comprehensive development, through retrofitting strategies of smart city including central transportation hub, location of offices, employment centers, civic centers
- Promotes equitable distribution of utilities service centers.
- Create maximum impact with the smart city initiative to the citizens of Belagavi with a view to achieve a balanced development
- Selection based on overall city profile; inputs from citizens, stakeholders, planning experts, civic officials; and SWOT analysis
- Retains the nature of lung space (18 sq.Km of cantonment area) in the central part of city which complements it
- Augments the future directional growth







AREA BASED DEVELOPMENT-PROPOSALS									
KEY COMPONENTS	DESCRIPTION								
BELAGAVI ONE CENTER- Multi-utilities facilitation centres	 Public Utility services facilities Amenities for transport (all modes) Informal sector/Public hawkers space Skill Development centre Open plazas Public convenience & amenities space Local shopping Commercial cum Office complex 								
Conservation & preservation of heritage structure	 Development of Fort and Precinct, Improvement of Lakes Development of Heritage Park at Vaccine Depot Improvement of Neighbourhood Parks & Recreational Space 								
Affordable housing	 Affordable Housing for EWS (1750 Houses & 872 Sites for EWS Housing development 								
Non Motorised transport (Walkability and mobility)	 Footpath Cycle Track UG Ducting UG - HT & LT Line Smart Street Lighting Street Furniture Carriageway Improvement Avenue Plantation 								
Development of New city centres	 Shopping cum IT Office Area Skill Development & Incubation Centers Sports Complex Exhibition cum Art Gallery & Children science park at Tilakwadi, 								

AREA BASED DEV	VELOPMENT-PROPOSALS
KEY COMPONENTS	DESCRIPTION
Improvement of public transport	Improvement of Central Bus TerminusSmart Bus Shelters
Improvement of mobility	Junction improvement,flyovers, underpass & rob
Public convenience & amenities	 Public Urinals & Toilets Road Side Drinking Water Kiosks, Tourist Guidance enters, Trauma Centre
Assured water supply	• Providing 24 X 7 water supply by 2019 with Smart metering
Electricity supply and clean energy	 Renewable energy – supply Solar power & Wind power (meets 15% of the demand) CNG/PNG supply for commercial and households
Sewerage system	Construction of STP and Construction of UGD in uncovered Areas
Storm water drainage system	Storm Water Drainage System
Waste management	Solid Waste Management, RDF plant



RESULT ORIENTATION								
Key components	Outcome in 2 years	Outcome in 5 years						
Assured water supply	Coverage in the wards identified as per WB project	Coverage in all wards						
Electricity supply	Wind power augmentation, Roof Top for government buildings . CNG/PNG for area	Targeted coverage for Solar rooftops. CNG/PNG coverage for city						
Waste management	100% coverage for door-to-door collection, segregation	Segregation, scientific treatment for all areas						
Improving Road, Circulation Network	Decentralize growth, development of commercial activity, walkability	Multi modal transit – with last mile connectivity						
Improvement of Public Transport	Reliable public transport with non- motorized transport options	Multi modal connectivity with monitoring, tracking and para-transit options						
Employment generation – Organized sector	Through skill development centers – ITES & Automotive skills	Soft skills / Finishing schools						
Employment generation – APMC, Hawker's Spaces	Marketing for agricultural produce Add 200 hawker spaces in organized manner for each new center (on pilot)	Organized vending in multi facility centers, new centers, commercial areas Organized retail						
Integrated monitoring	Traffic signals & surveillance through cameras, includes roads & areas	Integrated surveillance throughout the city						
Development of Markets, Multi utility centres	7 new market centers with MUC	Encourage development of multi facility centers across the city and improve commercial activity						
Parks & Recreational Spaces	Development of 1 major park	Development of 20 parks						





PAN CITY SOLUTIONS





PAN CITY SOLUTIONS	
 Intelligent transport system: Using of ICT for intelligent transport system and improvement of mobility for entire city which includes; A) Priority bus lanes, bus terminals & bus shelters 	 Managing through dedicated lanes for ease of traffic movement Monitoring through wireless access points
 Smart Bus shelter includes: Bus information ATM Camera surveillance Routes and navigation Kiosk for citizen servi Water dispenser Disability access 	 Greater control of the bill. Saving of water by around 12% Meters will also help in finding leaks and fix them faster.
 B) Para - transit Battery operated autos Auto-hailing Applications C) Walkability & non-motorized transport Footpath Cycle Tracks 	 A smart meter based on Oper smart grid protocol (OSGP) 210 km of length with smart LED Street light Safety and security features – Survellience camera WiFi Connectivity

PAN CITY SOLUTION	IS	
TRANSPORT AGENCY	POLICE	COMMUTERS
		Chrysel - 41 Trabase - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
 Bus Location Track the bus Occupancy : Add / cancel a service 	 Security Alert : Bus / bus stop Bus / Bus stop Location 	 Bus arrival time Security Auto stands info (map) Commuter tracking (from start to stop)
 Security Inside bus, bus stop Driver behavior, Alerts Incentives Bus health Replace, Maintenance 	Revenues Increased efficiency in the fler Predictive maintenance and re Accurate employee incentive Increased number of commut Context aware advertisement 	et operations educed break downs schemes iers s at bus stop displays

RESULT ORIENTATION								
	Key components	Outcome in 2 years	Outcome in 5 years					
	E-governance	Enablement of requests for 36 core services through web application and smart phone app	Enablement of automated transaction processing for 144 services through web and mobile app					
		Ensure surveillance in 50 junctions, 88 bus shelters, 112 identified locations in the area	Command center integration of all cameras and monitoring points (junctions, roads, commercial centers, Government offices)					
		GIS identifiers for houses	Complete integration with Smart meters and tracking – safety & fire incidents					
		Transport integration	Public transport and autos/taxis are integrated with Command center					
	Intelligent transport	Smart phone app integration – Tracking and monitoring	Booking, tracking and last mile connectivity					
		Bus shelters within the area with key amenities	Integrated bus shelters and connected transport					

FRUGAL INNOVATION

GUIDANCE: ISO/IEC JTC 1 reference model → CSTEP guidelines → PWC baseline report **Best practices**:

- Urban Mobility, Smart bus shelters from cities of Barcelona, Amsterdam, Frankfurt and Bagota
- e-Governance from ISO to include the indicators to measure the features required for e-Governance.

TECHNOLOGY: Open Source technologies for the ICT components:

- Ease of implementation with no product deployment required
- No license costs
- Easily integrated with web services and no additional API or features required
- Typically supported for any protocol that is required for the integration

COMMAND CENTER:

• Real-time dashboard that would be developed using responsive UI design

EXISTING INFRASTRUCTURE:

• Meghraj (cloud services) and Paygov (payment gateway)

FINANCIAL PLAN & IMPLEMENTATION PLAN

FINANCIAL PLAN										
	CONVERGENCE									
	Total cost of all Proposals: Rs. 3534.54 Cr.									
PROPOSAL	SFC	14th FINANCE	STATE SPL. GRANT	ULB	GOVT.	SMART CITY	DEPTS.	РРР	TOTAL	
ABD	27.75	3.70	65.00	5.75	270.50	641.50	321.00	330.90	1661	
PAN CITY	-	-	93.80	129.50	263.25	367.45	676.27	675.20	2206	
TOTAL IN RS. CR	27.75	3.7	158.80	135.25	553.25	1007.86	647.27	1006.10	3867	

SI.No.	AREA BASED PROPOSAL (TOTAL)	Cost in Rs. Cr.
1	Innovative use of open spaces -	
2	Construction of multi utility facilitation centers with green building concept	167.4
3	Parks and Recreational spaces (inclusive of rain water harvesting)	66.0
4	Upgrading the Heritage precincts	35.0
5	Smart water metering	9.0
6	Environment, Energy Efficiency and Renewable Energy	196.5
7	Affordable Housing	127.5
8	Skill Development Center	8.0
9	Under Ground Ducting	62.0
10	Non motorized Transport, Walkability, network connectivity, Paratransit	187.5
11	Urban Mobility	400.0
12	Development of city centers on green building concept	145.75
13	Sewerage System	156.0
14	Public Convenience and Amenities	17.0
15	Solid Waste Management	8.0
16	Storm Water drains and recharge of water bodies	70.0
17	Health : Up gradation of Primary Health Centers	5.00
Α	TOTAL COST OF AREA BASED DEVELOPMENT	1660.67

Sr. No	PANCITY PROPOSALS:	Cost in Rs. Cr.
1	E-governance and IT enablement	173.50
2	Traffic, Transport, Mobility and Intelligent Traffic Systems	340.70
3	Environment, energy efficiency and renewable energy (convergence)	726.27
4	Water Supply and Solid Waste management (convergence)	465.0
5	Natural Gas Distribution (convergence)	150.0
6	Health : Super Specialty Hospital	350.00
В	TOTAL COST FOR PAN CITY PROPOSALS	2205.50
	TOTAL PROJECT COST (A+B)	3866.14



Dr. Ekroop Caur, Transportation Mentor by Gov guidance and lear	Managing Directo Corporation (BM vernment of Kar dership this propo	CORGANO or, Bangalore Metro TC), appointed as nataka. Under her sal has been worked	G	keviewing of	District Level Te mainly bureaud institutions and representatives	echnical Co crats and he d eminent p s of industry	mmittee h eads of ed personaliti /.	naving 15 m lucational es and	embers	
out. Development of Vision and Goals				Assisting and I	Executive comm bureaucrats an eminent person	nittee havir d heads of nalities and	ng 12 mer education represen	nbers mainl al institutio tatives of in	y ns and dustry.	
Smart City District Level Advisory Forum having 44 members	Smart City District Level Inter Department Task	Smart City District Level Technical committee having 15 members mainly		Checking, A Proposal	Pan City Solutions committee having 13 members mainly bureaucrats and heads of educational institutions and eminent personalities and representatives of industry.					
containing MPs, MLAs, MLCs, Mayors, Councillors and	Force committee having 18 members containing	bureaucrats and heads of educational institutions and	bureaucrats and heads of educational institutions and	#	Contributor		Development of city profile, SWOT and vision	Developm ent of Area Based Proposal	Development of Pan city Proposal	Conducting city level activities of promotion or smart city
representatives	various	eminent	1	MLAs, MLCs		Yes	Yes	Yes	Yes	
BUDA, HESCOM,	functional heads personalities and	personalities and 2	personalities and	2	Maylors, Cou representati	ncilors, other elected ves	Yes	Yes	Yes	Yes
PWD, educational	of various	representatives of	3	District Com	nossioner	Yes	Yes	Yes	Yes	
institutions, chambers of	Government and Para	industry.	4 5	Chief Execut	ve of the Urban t Authority/ Parastatal	Yes	Yes	Yes	Yes	
commerce,	Government		6	Consultant	<i>.</i>	Yes	Yes	Yes	Yes	
various NGO's in the region, urban	organisations		7	Vendors, PPI LG, IBM, IFCI KPIT, Bosch	partners, Financiers: , Essel Infrastructure,	Yes	Yes	Yes	Yes	
planners and IT professionals,			8	Others (eg. C Representat your city. Ed Chambers of NGOs.	ommunity oves) as appropriate to ucationalists, Industry Commerce, Various	Yes	Yes	Yes	Yes	

