

**List of Projects as per Smart City Proposal : Visakhapatnam**

Sl. No.	Projects in SCP	Cost (Rs. in Crore)
	<b>Area Based Development (ABD)</b>	
1	Footpaths	1.92
2	Water Supply (24X7)	
3	Network of uncovered area 8 km & replacement of damaged pipelines (3.15 km)	2.38
4	Ensuring 24X7 water supply & revenue improvement	26.31
5	Sewage (UGD)	
6	Coverage of Jlaripeta - 22km sewer line	5.00
7	Pumping Main & Pumping Station	9.00
8	Improvements to pump-houses (2 no.s)	2.00
9	Improvement to 25 MLD STP (Including SCADA & monitoring)	9.00
10	Recycle Water Supply	62.50
11	Storm water drains	2.26
12	Roadside drains	7.68
13	Waste Mngement	
14	Awareness Programme	1.00
15	Equipment (Including road sweeping machine) & Manpower	2.53
16	Green spaces, landscaping, tree plantation etc. (Hardscape, Softscape, Signage & furniture)	95.69
17	Underground wiring	250.00
18	Transportation (Public Bike Sharing & Bike charging stations)	50.75
19	Pollution Monitoring System	1.38
20	Solar Roof Top	305.33
21	Public Toilets (12 nos with 10 seats/ Toilet with solar roof top)	6.40
22	Community Toilets in slums	0.43
23	Multilevel Car Park with retail outlets on multiple plots + Contingency@ 15% (4 acres BUA @ 2FSI & INR 11000/sqm +.75 acres BUA @ 1 FSI & INR 23000/ Sqm) + Solar rooftop)	66.90
24	Refurbishing of Rajeev Memorial + Solar Rooftop	9.44
25	Smart metering for electricity	26.42
26	Shore protection along beach road	125.00
27	Smart signalling & traffic surveillance + Command /Data Centre	12.00
28	Science Labs in GVMC Schools	5.50
29	Housing for all (1130 houses )	54.24
30	Solar City Fund	0.50
31	Beach beautification project	240.00
32	Retrofitting of VUDA Park	12.00
33	Cost of e-rickshaws (@ 1.5 L)	2.30
34	Centrally controlled monitoring system for street lighting	15.00
35	Area based ICT Solutions	50.00
	<b>Pan City- Disaster + eGovernance</b>	<b>141.00</b>
36	ICT-enabled central command center capable of communicating with other city systems such as early warning systems, emergency response forces, utilities (energy, water and sewage SCADA systems), transportation, city surveillance, citizen engagement platform etc.	
37	Underpinning components such as GIS, asset management, communication gateways between command center & other stakeholders such as emergency response forces, city management, citizens etc.	
38	Domain solutions related to disaster management such as Risk Assessment & Modeling system, early warning system, emergency response forces tracking through GPS solutions, communication system etc.	
39	Collaborative platform for ongoing citizen engagement	
40	Strengthening city services systems such as property tax, healthcare, utilities, city surveillance, transportation etc. and bringing them to the central command center.	

*Note- This only indicates cost of individual projects given in the SCP. The total value of SCP may additionally include other costs such as DPR preparation, PMC, O&M etc.*