

List of Projects as per Smart City Proposal : Chennai

Sl. No.	Projects in SCP	Cost (Rs. in Crore)
	Area Based Development (ABD)	
	Electrical Network	
1	Microgrid management system at primary distribution substations	0.80
2	Electrical & ICT utility Corridor	172.50
3	Smart metering	88.50
4	Installing roof top solar system in public buildings	5.31
5	Energy Efficient LED Street Lighting	-
6	Converting 250W HPSV luminaires on Main roads to 120W LED luminaries	2.64
7	Converting 40W FTL luminaires on Main roads to 20W LED luminaries	3.12
	Water Supply	
8	Water supply network augmentation / rehabilitation	28.72
9	Electromagnetic Flow meter for water supply network	1.00
10	Reliable source augmentation (Desalination Plant) for 24 X 7 water supply	173.33
11	Augmentation of existing pump stations including future requirement	2.00
12	Water pressure and quality monitoring meter	1.00
	Sewerage	
13	Sewerage network augmentation / rehabilitation	15.12
14	Installation of sensors at strategic Location	1.51
15	Waste water recycling (Parks, medians, gardens, etc)	4.00
16	Augmentation of existing pump stations	1.60
	Storm Water Drainage	
17	Augmentation of existing storm water network	117.00
18	Installation of level sensors at strategic locations along storm water drains	1.00
19	Rain Water Harvesting @ every 30 mts intervals	4.00
	Solid Waste Management	
20	Collection bins including sensors	0.81
21	Vehicle monitoring system	0.08
22	Geofencing of collection bins	0.27
23	Modernisation of transfer station	10.00
	IT Connectivity and Digitization	
24	WiFi zones and hot spots	38.00
25	City surveillance system	0.40
26	Digital signages and billboards	2.40
27	Website for e-Governance features	1.00
28	Integration of all utilities using GIS	8.89
	Sanitation	
29	Modular e-toilets	4.20
	Pedestrian Friendly Pathways & Non- Motorised Transport	
30	Pedestrianised streets	9.90
31	Traffic calming streets	7.43
32	Differently-abled footpath	15.84
33	Bicycle lanes	15.84
34	MLCPs with ICT application	120.00
35	On-Street Parking Management system with ICT application	0.30

Sl. No.	Projects in SCP	Cost (Rs. in Crore)
36	Cycle Sharing system with ICT Application	0.15
37	Installation of solar charging stations for e-Rickshaws	6.20
Intelligent Traffic Management Systems		
38	Smart signalling	5.12
39	Intelligent transport system	3.00
Retrofitting of Green Open Spaces		
40	Hard landscape	2.97
41	Soft landscape	1.98
Pan City		
ICT for Non Motorized Transport		
42	Cycle Sharing system with ICT application	15.00
43	City surveillance system	61.98
44	On-Street Parking Management with ICT application	20.00
45	Street light monitoring system	248.47
46	Automatic ON / OFF with timer	6.87
47	Intelligent Traffic Management System	100.00
ICT for Water Management		
48	Disaster Management: Flood & Tsunami monitoring and warning system	20.00
49	Smart Water: Digital solutions for citizen services	16.00

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.