

List of Projects as per Smart City Proposal : Kochi

Sl. No.	Projects in SCP	Cost (Rs. in Crore)
	Area Based Development (ABD)	
	Water supply - West Kochi	
1	Karuvelipady Pump house – Pumping augmentation	1.00
2	Extension of pipelines from Maradu to Island to be extended to West Kochi to supply 12 MLD	0.55
3	Replacement of pipe lines from Perumanoor to Thevara and Thoppumpady bridge to Karuvelipady	11.00
4	Dedicated pumping main	3.50
5	Storage capacity augmentation in Karuvelipady sump by 5 million litres	8.00
6	Three OH Tanks in the region (Modibath, Fort Kochi and Koovapadam); Rejuvenation of the	0.75
7	Replacement of 20 kms of Distribution line with D.I. pipes including Road cutting charges	35.00
8	Replacement of Household connections (last mile) for across 10,000 HSCs with Smart Metering and isolation valves	25.00
9	Bulk Meters and Isolation valves with remote meter reading	1.00
10	Rider line for increased water supply	10.00
11	Overhead Storage Reservoir + 1 Million Litre Sump + pump near Ernakulam Ground	3.00
12	Replacement of connections (last mile) for across 10,000 HSCs (Commercial and Domestic) with Smart Metering and isolation valves	20.00
13	Bulk Meters and Isolation valves with remote meter reading	1.50
	Water supply - General	
14	Rainwater structures in ~5000 households	11.25
	UGSS	
15	Decentralized Treatment and collection system for West Kochi under ABD (Mundamveli)	22.00
16	Small bore sewer/ Vacuum system for onsite sanitation - Includes storage facility for treated water use for landscaping	110.00
17	Improvements to Elamkulam STP and collection system Mainland (JNNURM scheme)	70.00
	NMT Roads and Pedestrianized areas	
18	Relaying of roads	42.00
19	Standard Footpaths including signages	28.53
20	Restoration/ Rehabilitation of Stormwater drains in the proposed area	23.60
21	MLCP and Commercial complex at Kacheripady	50.00
	Main roads	
22	World class Arterial roads -- KB Jacob & Amravati Road/ Bazaar Road in West/ -- Avenue, MG Rd, DH Rd, Banerjee Rd in Central city	52.87
23	Relaying of roads, Aesthetic and improved Urban design Pedestrian facilities with Street furniture, Boulevards and urban greenery	16.50
24	Utility ducting for SWD, Water supply, Sewerage, OFC etc	33.00
25	Signages, Junction improvement with Intelligent Traffic management	0.97
26	Escalator FOBs	2.40
	Energy Supply - West Kochi	
27	Compact Secondary Substation (990 KVA)	1.80
28	Underground HT Line	
29	Underground LT Line	0.10
30	LT UG for Streetlights	0.01
31	AMR Metering - Single phase	6.90
32	AMR Metering - Three phase	1.10
33	AMR Metering - HT	0.05
34	RMU with Remote terminal units	1.74
35	Distribution panel board	21.56
36	Installation of feeder pillars	5.24
	Energy Supply - Mainland	
37	Underground Cabling - 11 KV	4.35
38	LT UG Cabling	5.01
39	Installation of Transformers (Compact Sub-stations)	10.26
40	Installation of Ring Main Units with Remote terminal units	7.61
41	Smart Meters (AMR)	26.60
42	Installation of feeder pillars	30.20
	Energy efficiency	
43	Solar based LED with Smart poles	12.50
44	Solar panels in Households and Institutions - Grid connected	17.58
	Solid waste and Sanitation	
45	Equipments including Smart Street sweepers/ GPS enabled Vehicles/ Compactors	6.00
46	Bio-composting in all Government institutions	0.05

Sl. No.	Projects in SCP	Cost (Rs. in Crore)
47	Household segregated bins for Organic and inorganic wastes	0.74
48	Public toilets with Fit-in Treatment facility for Decentralized STP in West Kochi	0.10
Parks and Open spaces		
49	Upgradation of Nehru Park	2.00
50	Development of open spaces and playgrounds	0.30
51	Open space corridor linking DH Ground to Mangalavanam (depends on ecological sensitivity)	0.90
52	Mangalavanam Eco-restoration project	1.00
Canal Restoration		
53	Restoration of Mullassery canal - including linking of standardized area drains	1.00
54	Restoration of Market canal - Walkways and Market square around the canal pond, Solar paneled roofs, LED Lighting, Light posts	5.00
55	Restoration of Kalvathy canal and area drain improvement - Open spaces, Street furniture and landscaping features	20.00
56	Restoration of Rameswaram-Kalvathy canal - Upto Cochin college – Walkways and Linking the Canal Bank Road	15.00
Urban mobility		
57	Water transport infrastructure (around 12 100 pax boats)	42.00
58	Electric Feeders, Bicycle Sharing, Elevated Walkways and Travelators	11.48
59	Walkway from Ekm Jetty to Metro station	9.00
60	Jetty improvement	8.00
61	Property development along jetties	7.20
62	Boatyard and Command & Control Centre	20.00
63	Dredging cost	10.00
64	Extend 'Smart Wi-Fi bus shelters' with LED bulbs, FM radio, USB drive slots, magazine/newspaper kiosks, mobile charger units	0.60
65	Standard Wifi Enabled Bus Stands With Commercial space development	3.00
Housing		
66	Integrated redevelopment of Slum housing	141.40
67	Upgradation of infrastructure in Housing through Credit linked schemes	24.35
68	Construction & upgradation of 755 DUs in Thuruthy, Kalvathy & Konchery colony	74.24
69	Broadway Market and Ernakulam market Redevelopment and Mattancherry spice market	110.00
70	Standard Hawker zones in Fort Kochi	5.00
Health		
71	Scale up of GH into a Super-speciality care centres	30.00
72	Integrated development of 4 Hospitals in West Kochi - Excellence in Secondary care	10.00
Education		
73	Upgradation of facilities - Basic services, Digital classrooms, Libraries, Eco-toilets, Sports kits , Biogas plant, Urban farming etc	
74	Anganwadis and public schools	4.50
75	Higher Educational institutions	1.00
Safety and Security		
76	5 Rapid response boats for water transport safety	0.50
77	Drone Surveillance	0.30
Other Social Infrastructure		
78	Upgradation of Community Centre at Mattancherry with indoor sports facilities	1.00
79	Standardize structures for "Petti Kada"	0.60
Identity and Culture		
80	Fortkochi and Mattanchery region Master plan for Tourism	30.00
Others		
81	Spatial Mapping of assets and SCADA systems for Information gathering with monitoring centres	15.00
Pan City		
24/7 Water Supply Pan-city		
82	(Intelligent Water Management Solutions for 24X7 Water Supply)	621.00
Integrated City APP		
83	(Smart Card Integration & an integrated city app)	25.00
84	Project development and contingency cost	45.00

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.