

APPENDICES

Appendix 2.1

(Reference: Paragraph 2.1.3; Page 9)

Non-implementation of projects proposed in the SCP

Sl. No.	Name of the Smart City	Name of the project	Cost of the Project (₹ in crore)
1	Chennai (8 projects)	Micro grid management system at primary distribution substations	0.80
2		Augmentation of existing pump stations	2.00
3		Augmentation of existing pump stations	1.60
4		Integration of all utilities using GIS	8.89
5		Modular e-toilets	4.20
6		Installation of solar charging stations for e-Rickshaws	6.20
7		Street light monitoring system	248.47
8		Automatic ON/OFF with timer for Street Lights	6.87
9	Coimbatore (9 projects)	Drains development, inter-linkages	120.34
10		Themed Nature parks, medicinal gardens	10.00
11		New 80 feet Road formation connecting Singanallur lake	3.00
12		Urban forestry and Landscaping	3.29
13		Street-side parking	0.92
14		Cycle sharing system	50.00
15		Education (Smart School)	20.00
16		Health care centres and Hospital modernisation	20.00
17		Power Distribution - Cabling	22.37
18	Erode (1 project)	E-Health	250.00
19	Madurai (10 projects)	Lighting Improvements (Pudhumandapam, Rayagopuram, Thermuti and other monuments)/Creation of Arrival Plaza old Central Market	19.00
20		Junction Improvement - major junctions, street intersections and traffic islands	14.00
21		Rain Water Management	15.00
22		Storm Water Drains	66.00
23		Solar Energy - Solar Rooftop	80.00
24		Sewage Treatment Plant	10.00
25		Social Infrastructure - Smart classes, Upgradation of Hospitals, Toilets, Skill Development Centre & Night Shelters	20.00
26		Housing for all	11.00
27		TWAD Board Colony Park (MCC)	0.75
28		Anantharaj nagar park (MCC)	0.80

Sl. No.	City	Name of the project	Cost of the Project (₹ in crore)
29	Tirunelveli (14 projects)	Smart Sky Walk	82.00
30		Building height restrictions, Facade control and Treatment	1.50
31		Tourist Information + commercial kiosks (25 numbers) and mobile application	2.00
32		Zero Emission Zone	2.50
33		Decentralised water Treatment Plant	2.00
34		Channelization of Drains (12 Km)	28.00
35		100 <i>per cent</i> Water Supply coverage	36.00
36		Swachh Nellai	4.50
37		Underground electric duct (43 m)	77.00
38		Slum Redevelopment	10.40
39		Smart Unified Poles (15 numbers)	3.75
40		Smart Police Station (1 number)	0.60
41		e - Governance	64.80
42		Intelligent Traffic Management System	74.90
43	Tiruppur (10 projects)	Smart school	20.00
44		Rainwater harvesting	0.33
45		Green Buildings	2.00
46		Waste to Energy	17.04
47		Intelligent Transit System	17.04
48		Area traffic Control system	14.55
49		Safety, security and platform	12.81
50		Fibre optic network and city communication	34.15
51		Common E-payment system	13.27
52		Technical and Administrative support	65.56
	52 Projects	Total	1,602.20

(Source: Details furnished by sampled smart cities)

Appendix 2.2

(Reference: Paragraph 2.1.4; Page 11)

Unplanned projects implemented by sampled smart cities

Sl. No.	Name of the Smart City	Name of the Projects	Expenditure incurred as on March 2024 (₹ in crore)
1	Chennai (20 Projects)	Restoration of Villivakkam Tank	37.22
2		Restoration of Water Bodies - Phase 1	5.31
3		Restoration of Water Bodies	11.54
4		Rejuvenation of 10 Water Bodies	4.67
5		Restoration of 15 temple tanks	2.04
6		Installing 5 ton capacity Bio gas plant using Water Hyacinth in water body	2.48
7		Modernization of Kannamapettai Crematorium	2.69
8		Model Sensory park	1.33
9		Smart classrooms - 28 numbers	1.42
10		Digital Experience Centre	0.30
11		Tele-Counselling Center for COVID-19 related work	3.58
12		Develop and Launch Waste Exchange Portal and App	0.15
13		Construction of Command, Control and Disaster Response Centre/Smart Governance Centre – Green building inside Ripon Building Campus	51.00
14		Model and SMART Corporation Schools in Chennai under CITIIS Challenge Initiative	44.70
15		Procurement of Dual Desks for Chennai Schools	9.80
16		Traffic parks	1.62
17		Vertical Gardens in Piers of Grade separators in Gopathi Narayana road	0.29
18		Suspension bridge at Villivakkam Tank	7.67
19		Art District and Typography	0.76
20		Villivakkam tank additional pond	1.09
21	Coimbatore (4 Projects)	Solid Waste Management (Waste Pre Processing Plant Shed, CC Pavement, Compound Wall, Interior Road, Weigh Bridge, Administrative building, Security & Labour Rooms, vehicle washing shed, Bore well, over head tank, Underground Sump, Green Belt, etc., at Vellalore Compost Yard)	11.50
22		Flood lighting at Nehru Stadium	2.25
23		Various Development works at Ukkadam Sewage Farm Premises	4.08
24		Construction of Pump House at Ukkadam	2.45

Sl. No.	Name of the Smart City	Name of the Projects	Expenditure incurred as on March 2024 (₹ in crore)
25	Madurai (3 Projects)	Provide HVAC at Periyar Bus Stand	11.19
26		Library and Knowledge Center	2.12
27		Construction of Convention Centre, Tamukkam	46.69
28	Tirunelveli (15 Projects)	Development of Mini Convention Hall at Palayamkottai	8.04
29		Construction of Washerman ghat with IoT at Karuppandurai and Vannarpettai in Tirunelveli Corporation (3 locations)	4.23
30		Development of Trade Centre at SN High Road	54.45
31		Development of Office cum commercial complex near Junction	16.04
32		Construction of Commercial Mall at Corporation land near Palai Bus Stand Phase I	15.27
33		Construction of Commercial Mall at Corporation land near Palai Bus Stand Phase II	10.39
34		Construction of Training Centre at Palayamkottai Ward Office in Tirunelveli corporation	0.62
35		Development of Incubation Centre near Trade Centre in Tirunelveli Corporation	3.52
36		Green Space Phase-I, 10 Parks	7.41
37		Green Space Development Phase-II, 10 Parks	7.26
38		Green Space Development Phase-III	24.98
39		Development of Green Spaces in Ward Nos. 18,19 & 27 (in 7 Locations) Phase IV	7.33
40		Smart Motor in all head works and UGD pumping Station	84.49
41		UGSS for uncovered area Phase II and Phase III	55.59
42		Implementation of collection system for UGSS	15.00
43	Tiruppur (2 Projects)	Solar Power Plant (4.8 MW)	27.51
44		Solar Power Plant (2.0 MW)	11.79
	44 Projects	Total	623.86

(Source: Details furnished by sampled smart cities)

Appendix 2.3

(Reference: Paragraph 2.1.5; Page 14)

Projects implemented outside the ABD area

Sl. No.	Name of the Smart City	Projects	Expenditure as on March 2024 (₹ in crore)
1	Chennai (13 projects)	Sensory Park at 4th Link Trust Road, Santhome	1.33
2		Children's Traffic Park Near Napier Bridge	1.62
3		Restoring 15 Temple tanks in Chennai City	2.04
4		Vertical Gardens in Piers of Grade separators in Gopathi Narayana road	0.29
5		The Art District and Typography Installation project	0.76
6		Restoration of 32 water bodies	5.31
7		Restoration of 22 water bodies	11.54
8		Rejuvenation of 10 water bodies	4.67
9		Digital Experience Center	0.30
10		Installing 5 ton Capacity Bio Gas Plant using water Hyacinth in water bodies	2.48
11		Restoration of Villivakkam tank and Stainless Steel handrail along the bunds of Villivakkam tank with lighting arrangements	37.22
12		Suspension bridge at Villivakkam tank	7.67
13		Construction of Additional Pond in the Villivakkam Tank area	1.09
14	Coimbatore (2 projects)	Solid Waste Management Waste Pre Processing plant shed, CC Pavement (Compound Wall, Interior Road, Weigh Bridge, Administrative building, Security & Labour Rooms, vehicle washing shed, Bore well, over head tank, Underground Sump, Green Belt etc., at Vellalore Compost Yard)	11.50
15		Bio mining Works	56.39
16	Erode (4 projects)	Disposal of Additional legacy waste dumped in Vendipalayam compost yard by bio mining processes	4.00
17		Improvement works around Vegetable Market in ABD area at RKV Road in Ward No.28 of Erode City Municipal Corporation	13.90
18		Redevelopment of 34 packages for smart roads	21.30
19		UGSS for Added Area	51.37
20	Madurai (19 projects)	Providing Storm Water Drains, Culverts arrangements and Cement Concrete road arrangements at Fruit Market in Mattuthavani	5.12
21		Construction of New Compound Wall, OHT, Sump, 6" dia Borewell & New Manhole and Providing UGD Main line at Fruit Market in Mattuthavani	2.84
22		Supply, Erection and Fabrication of Electrical accessories, Cable Distribution Box, Bus bar panel and street light arrangements at Fruit Market in Mattuthavani	3.78

Sl. No.	Name of the Smart City	Projects	Expenditure as on March 2024 (₹ in crore)
23	Madurai (19 projects)	1000- Thathaneri mayanam-MCC (5 TPD) & Compound wall - ward-9	0.82
24		1001-Jainagar Muniyandi koil Ward-19 – MCC	0.82
25		998-Vilangudi Mayanam -Ward 23 – MCC	0.79
26		999-Arapalayam OHT Campus-MCC & Compound wall-Ward-10	0.80
27		1002-Sekilar Veedhi-MCC- Ward-5	0.80
28		1010-Fruit Garden-Work -Ward-29 – MCC	0.75
29		1012-Fruit Garden-Work -Ward-29 – MCC	0.67
30		1017-Karpaga Nagar to Villapuram-MCC, Compound wall, Pavour Block, Borewell-Ward-61	0.98
31		1019-Madurai to Aruppukottai/MCC, Compound wall, Pavour block road, 6" Borewell-Ward-60	0.79
32		1005-Vellakkal yard/MCC/Compound wall/borewell, approach road-ward-94	0.77
33		1003-Avaniyapuram MMC Colony /MCC/Compound wall/ approach road-ward	0.80
34		1004-Harveypatty Burial Ground Plant 2/MCC at 5 TPD	0.80
35		1013-Fruit Garden-Work Ward-29 – MCC	0.66
36		1006-Vellakkal yard in Ward-94- – MCC	0.76
37		Convention Centre Thamukkam Ground	46.69
38		Library and Knowledge Centre	2.12
39	Salem (23 projects)	Redevelopment of Puratchi Thalaivar M.G.R Central Bus Stand	6.82
40		Implementation of Science Park at Pallapatty area	1.24
41		Amusement galleries in Science park at Pallapatty area	4.58
42		Redevelopment of Krishna Rajendra Chatram as a Conventional Centre and Photo Gallery Museum along with Green Space	5.61
43		Construction of Retaining wall in Puratchi Thalaivar Dr.M.G.R. Central Bus Stand east side to south side	2.95
44		Implementation of Smart Roads -Phase-III – Seetharaman Road	7.15
45		Implementation of Smart Road Phase-IV - Thiyagi Muniappan road (Leigh bazaar road) & Over Bridge road	12.10
46		Implementation of Smart Road Phase-V (Thammanan Road and Chatram Road)	14.75
47		Construction of Multi-Level Parking at New Bus Stand	13.04
48		Beautification of Salem City by providing Fiber Corona Warriors Statues at GH Roundana and NAMMA SALEM Letters in front of New Bus Stand Building	0.41
49		Formation of Diversion Channel to avoid mixing of sewage water in Pallapatty lake	13.95
50		Redevelopment of Linking Canal between TVS Burial Ground and Pallapatty Lake	9.98

Sl. No.	Name of the Smart City	Projects	Expenditure as on March 2024 (₹ in crore)
51	Salem (23 projects)	Construction of Knowledge and Study Centre at Ayyanthirumaligai School Campus in Division No.– 7	2.25
52		Formation of Diversion Channel to avoid mixing of sewage water in Kumaragiri Lake	14.84
53		Improvements to Swaminathapuram Odai from Rathinan Street to Leigh Bazaar Main Road	10.89
54		Rejuvenation and Redevelopment of Pallapatty Lake	14.21
55		Rejuvenation and Redevelopment of Kumaragiri Lake	9.71
56		Implementation of Smart Road Phase-VII-Ramalingam Sowdeshwari Madalayam Road, Thirumaninalangadi Road & Cause Way Road	3.45
57		Implementation of Road Works (Package-1 to Package-24)	19.82
58		Construction of Over Head Tank and to provide 24X7 Water Supply to Swaminathapuram in Division No. 26	6.69
59		Development & Beautification of Pallapatty Lake	2.59
60		Providing inlet and outlet arrangements in Diversional channel at Pallapatty Lake	0.65
61		Construction of Front Entrance Arch with gate at two sides and Providing Fencing at Kumaragiri Lake	0.71
62	Tirunelveli (4 projects)	Development of Truck Terminal in Tirunelveli Corporation	15.22
63		Development of Cycle Track at NGO Colony in ward No. 27	2.90
64		Providing Road Divider and widening of Road with Greenery for Sudalaikoil, Perumalpuram and STC College Road for a length of 7.18 KM	9.24
65		Construction of Whole sale market at Palayapettai in ward No. 50 near Truck Terminal	14.26
66	Tiruppur (5 projects)	Water supply improvement scheme	75.00
67		Solar Power Plant (4.8 MW)	27.51
68		Solar Power Plant (2.0 MW)	11.79
69		Fish Market	2.34
70		Redevelopment of weekly market	12.48
	70 Projects	Total	655.43

(Source: Details furnished by sampled smart cities)

Appendix 2.4

(Reference: Paragraph 2.2.2; Page 16)

City-wise status of projects under SCM

(₹ in crore)

Sl. No.	City	Date of Incorporation	Total projects		Cost of Completed Projects		Cost of Ongoing projects		Total projects as on 31 March 2024	
			Numbers	Cost of Project	Numbers	Executed value	Numbers	Expenditure incurred	Numbers	Total expenditure
1	Chennai	15-07-2016	49	974.37	46	896.90	3	49.28	49	946.18
2	Coimbatore	15-07-2016	54	956.47	53	917.39	1	1.98	54	919.37
3	Erode	01-06-2018	55	965.00	53	692.54	2	186.90	55	879.44
4	Madurai	02-02-2017	44	1,041.41	37	424.35	7	529.53	44	953.88
5	Salem	01-02-2017	103	965.00	99	759.18	4	138.04	103	897.22
6	Tirunelveli	22-12-2017	81	938.15	74	804.07	7	54.22	81	858.29
7	Tiruppur	21-12-2017	28	965.00	25	735.98	3	151.45	28	887.43
	Total		414	6,805.40	387	5,230.41	27	1,111.40	414	6,341.81

(Source: Details furnished by Seven Smart Cities)

Appendix 3.1

(Reference: Paragraph 3.2.1; Page 31)

Ineligible Pan-city projects implemented by sampled Smart Cities

Sl. No.	Name of the Smart City	Projects	Expenditure as on March 2024 (₹ in crore)
1	Coimbatore	Eco-Friendly carry bags	0.05
2	Coimbatore	Supply and Delivery of 102 numbers of Light Commercial Vehicle (LCV)	5.71
3	Coimbatore	Skid Steer Loader with Backhoe Loader & Sweeper attachment – 7 numbers	2.56
4	Coimbatore	Supply & Delivery of 13 numbers of Light Commercial Vehicles	0.93
5	Coimbatore	Replacement of Existing Conventional Street Lights by Smart LED Energy Efficient Lamps	73.51
6	Coimbatore	UGSS Internal Plumbing and Tank Construction (46 works)	26.21
7	Coimbatore	Micro Compost Centre in 36 Locations	21.22
8	Erode	Micro Compost Center	12.97
9	Erode	Smart Class	9.41
10	Erode	Road Sweeping Machine	0.62
11	Erode	Street Lights	12.00
12	Erode	Micro Compost Center Phase II	3.92
13	Erode	Water Supply Distribution System	145.33
14	Erode	Green space Development	24.98
15	Erode	Supply and delivery of 35 numbers of 2.0 cu.m Capacity Light Commercial Vehicles (LCV) for Micro Composting Centres in Erode City Municipal Corporation Phase II	2.62
16	Erode	UGSS - Internal Plumbing	12.62
17	Erode	Supply and delivery of 2 numbers of 6000 litre Capacity truck mounted high pressured Jet Roding cum sewage suction machine for Erode Smart City	1.09
18	Erode	Supply and delivery of 3 numbers of Vehicle mounted desilting machinery for Erode Smart City	0.44
19	Erode	SWM - Incineration plant- Phase I	1.56
20	Erode	Supply and installation of Grid connected roof top solar photo – voltaic system in new water supply scheme treatment plant as Pan City initiative	0.94
21	Erode	Development of Science, Technology, Engineering and Mathematics (STEM) park with digital planetarium at Sree garden in ward No. 46 of Erode City Municipal Corporation as pan city initiative under Smart Cities Mission	9.95
22	Erode	Providing green space and park at Sakthi Nagar in ward No.33 and Lakshmi Nagar in ward No.31 of Zone III in ABD area	2.31

Sl. No.	Name of the Smart City	Projects	Expenditure as on March 2024 (₹ in crore)
23	Erode	SWM - Incineration plant – Phase - II	1.25
24	Salem	Solid Waste Management – Purchase of Vehicles	1.38
25	Salem	SWM-Purchase of BOV-Phase-II	3.01
26	Salem	LED Conversion of Entire Sodium Vapour Light into LED Light	13.51
27	Salem	Roof Top Solar-Phase-I	2.97
28	Salem	Purchase of Vehicles to Solid Waste Management	4.86
29	Salem	Roof Top Solar Phase-II	2.43
30	Salem	Implementation of Signage boards	5.99
31	Salem	Installation of 25 TPD Incinerator Plant (2 numbers) at Erumapalayam & Chettichavadi Compost yard	3.19
32	Salem	Replacing of Old UG Cables, Providing Intermediate Poles, LED Street Lights and UG Cable for ABD Area	15.21
33	Salem	Purchase of Vehicles to Solid Waste Management	9.46
34	Salem	Providing New LED Street Lights fitting for Existing EB Empty Pole and Conversion of Existing Sodium Vapour lamps in Pan City	10.32
35	Salem	Supply and Fixing of LED Street Lights , street light pole with decorative double arm and UG Cables	6.5
36	Salem	Supply and Delivery of 2 numbers of Self Propelled Platform Tree Cutting Machine	0.5
37	Salem	Implementation of 3 MW Solar Power Plant at Chettichavadi	13.48
38	Salem	Implementation of 2.5 MW Grid interactive ground mounted solar PV Power plant at Chettichavadi	12.76
39	Salem	Additional Project Cost towards wheeling and transmission works for 2.5 MW and 3 MW Solar Power Plant from Chettichavadi to Gorimedu EB Sub-Station	0.0
40	Tirunelveli	Installation of Traffic Signages with IoT at Melapalayam Zone in Tirunelveli Corporation	4.33
41	Tirunelveli	Installation of Traffic Signages with IoT at Palayamkottai Zone in Tirunelveli Corporation	4.29
42	Tiruppur	Roof top solar PV system (on-Grid) in 81 locations (303 KWP)	2.39
43	Tiruppur	Solid waste management (20 Works)	21.47
44	Tiruppur	LED Street Lights (2 Packages)	14.38
45	Tiruppur	Macro drainages (Package 1)	15.72
46	Tiruppur	Macro drainages (Package 2)	24.80
47	Tiruppur	Signage's	6.38
Total			571.53

(Source: Details furnished by sampled smart cities)

Appendix 3.2

(Reference: Paragraph 3.2.2; Page 32)

DTCP/CMDA/PWD/TNPCB approvals stated as not obtained - Sample cases

Sl. No.	Name of the Smart City	Projects	Date of Completion	Approvals not obtained from	Expenditure as on March 2024 (₹ in crore)
1	Chennai	Installing 5 ton capacity Bio gas plant using Water Hyacinth in water body	30-11-2020	TNPCB	2.48
2	Chennai	Modernization of Kannamapettai Crematorium	10-08-2020	TNPCB	2.69
3	Chennai	Restoration of Villivakam Tank/ Suspension Bridge at Villivakam Tank	08-09-2022	PWD	44.89
4	Coimbatore	Micro Compost Centre in 36 Locations	27-09-2022	TNPCB	21.22
5	Coimbatore	Lake Rejuvenation and Restoration - Valankulam Phase I	31-12-2023	PWD	66.13
6	Coimbatore	Restoration and Rejuvenation of Selvachinthamani Lake Phase I	25-05-2022	PWD	30.52
7	Coimbatore	Lake Rejuvenation & Restoration - Selvampathy & Kumarasamy - Phase III	02-05-2023	PWD	31.03
8	Coimbatore	Lake Rejuvenation & Restoration - Krishnampathy Phase III	02-05-2023	PWD	19.32
9	Coimbatore	Knowledge and Study Centre	02-10-2023	DTCP	2.48
10	Erode	Bio-mining	01-05-2022	TNPCB	38.02
11	Erode	Canal Restoration - Perumpallam Canal	Not completed	PWD	185.65
12	Erode	Development of Science, Technology, Engineering and Mathematics (STEM) park with digital planetarium	30-04-2022	DTCP	9.95
13	Madurai	Fruit Market at Mattuthavani	21-02-2019	DTCP	11.73
14	Madurai	Multi-Level Car Parking	08-09-2022	DTCP	44.19
15	Madurai	Library and Knowledge centre	15-03-2023	DTCP	2.12
16	Tirunelveli	Removal of legacy waste of 2,17,660 Cu.M through Bio Mining process at Ramayanpatti	24-03-2024	TNPCB	3.79
17	Tirunelveli	Proposed Multi-Level Two Wheeler Parking at TM Road in Tirunelveli Corporation	01-11-2021	DTCP	6.09
18	Tirunelveli	Development of Nainar Lake front	22-07-2023	PWD	9.82
19	Tirunelveli	Construction of Mahatma Gandhiji Commercial complex at Palayamkottai	Not completed	DTCP	15.19

(Source: Details furnished by sampled smart cities)

Appendix 3.3 (a)

(Reference: Paragraph 3.3.1; Page 33)

Status of Projects under Water Supply

(₹ in crore)

City	Projects Proposed		Projects Implemented		Completed		Ongoing	
	Num- bers	Cost	Num- bers	Expenditure as on March 2024	Num- bers	Value	Num- bers	Expenditure as on March 2024
Chennai	5	206.05	3	82.25	3	82.25	0	0
Coimbatore	1	0	2	151.70	2	151.70	0	0
Erode	1	180.00	1	145.33	1	145.33	0	0
Madurai	1	150.00	2	165.77	1	102.00	1	63.77
Salem	1	16.00	5	74.08	4	21.49	1	52.59
Tirunelveli	2	63.50	5	58.38	5	58.38	0	0
Tiruppur	1	74.88	3	208.33	2	189.15	1	19.18
Total	12	690.43	21*	885.84	18	750.30	3	135.54

* Proposed projects were split up into multiple packages during implementation

Appendix 3.3 (b)

(Reference: Paragraph 3.3.2; Page 35)

Status of Projects under Electrical Works

(₹ in crore)

City	Projects Proposed		Projects Implemented		Completed	
	Numbers	Cost	Numbers	Expenditure as on March 2024	Numbers	Value
Chennai	6	272.87	5	111.97	5	111.97
Coimbatore	3	78.03	6	103.32	6	103.32
Erode	3	54.65	5	27.11	5	27.11
Madurai	2	95.00	3	34.15	3	34.15
Salem	2	72.00	13	80.58	12**	80.58
Tirunelveli	3	155.50	8	73.38	8	73.38
Tiruppur	7	261.81	4	56.07	4	56.07
Total	26	989.86	44*	486.58	43	486.58

* Proposed projects were split up into multiple packages during implementation

** One project is under progress

Appendix 3.3 (c)

(Reference: Paragraph 3.3.3; Page 37)

Status of Projects under Sanitation including Solid Waste Management
(including UGSS and Storm Water)

(₹ in crore)

City	Projects Proposed		Projects Implemented		Completed		Ongoing	
	Numbers	Cost	Numbers	Expenditure as on March 2024	Numbers	Value	Numbers	Expenditure as on March 2024
Chennai	12	159.59	6	231.92	4	183.73	2	48.19
Coimbatore	5	41.52	11	155.50	11	155.50	0	0
Erode	4	143.16	13	198.45	12	197.20	1	1.25
Madurai	4	186.00	21	303.16	18	22.38	3	280.78
Salem	2	47.00	20	210.11	19	125.44	1	84.67
Tirunelveli	3	82.60	12	142.33	12	142.33	0	0
Tiruppur	5	266.14	4	126.83	4	126.83	0	0
Total	35	926.01	87*	1,368.30	80	953.41	7	414.89

* Proposed projects were split up into multiple packages during implementation

Appendix 3.3 (d)

(Reference: Paragraph 3.3.4; Page 40)

Status of Projects under Efficient Urban Mobility, Public Transport and NMT

(₹ in crore)

City	Projects Proposed		Projects Implemented		Completed		Ongoing	
	Numbers	Cost	Numbers	Expenditure as on March 2024	Numbers	Value	Numbers	Expenditure as on March 2024
Chennai	10	183.78	12	204.82	12	204.82	0	0
Coimbatore	15	622.91	7	114.04	7	114.04	0	0
Erode	4	192.23	18	126.33	18	126.33	0	0
Madurai	4	193.00	3	255.72	2	84.86	1	170.86
Salem	5	782.00	27	294.42	27	294.42	0	0
Tirunelveli	7	423.00	24	263.06	24	263.06	0	0
Tiruppur	6	173.86	7	252.56	7	252.56	0	0
Total	51	2,570.78	98*	1,510.95	97	1,340.09	1	170.86

* Proposed projects were split up into multiple packages during implementation

Appendix 3.3 (e)

(Reference: Paragraph 3.3.5; Page 45)

Status of Projects under Social Infrastructure - Health and Education

(₹ in crore)

City	Projects Proposed		Projects Implemented		Completed		Ongoing	
	Num- bers	Cost	Num- bers	Expenditure as on March 2024	Num- bers	Value	Num- bers	Expendi- ture as on March 2024
Chennai	0	0	7	61.86	7	61.86	0	0
Coimbatore	2	40.00	1	2.48	1	2.48	0	0
Erode	3	152.50	3	25.11	3	25.11	0	0
Madurai	1	20.00	1	2.12	1	2.12	0	0
Salem	0	0	6	25.77	6	25.77	0	0
Tirunelveli	4	10.90	9	40.78	8	35.56	1	5.22
Tiruppur	5	14.06	1	2.52	1	2.52	0	0
Total	15	237.46	28*	160.64	27	155.42	1	5.22

* Proposed projects were split up into multiple packages during implementation

Appendix 3.3 (f)

(Reference: Paragraph 3.3.6; Page 46)

Status of Projects under e-governance (Robust IT connectivity and Digitisation)

(₹ in crore)

City	Projects Proposed		Projects Implemented		Completed		Ongoing	
	Num- bers	Cost	Num- bers	Expenditure as on March 2024	Num- bers	Value	Num- bers	Expenditure as on March 2024
Chennai	5	50.69	5	121.79	5	121.79	0	0
Coimbatore	0	0	5	12.55	4	10.57	1	1.98
Erode	0	0	2	10.25	2	10.25	0	0
Madurai	1	130.00	1	2.93	0	0	1	2.93
Salem	1	15.00	2	12.20	2	12.20	0	0
Tirunelveli	1	2.10	1	2.12	0	0	1	2.12
Tiruppur	2	95.08	1	10.34	1	10.34	0	0
Total	10	292.87	17*	172.18	14	165.15	3	7.03

* Proposed projects were split up into multiple packages during implementation

Appendix 3.3 (g)

(Reference: Paragraph 3.3.7; Page 49)

Status of Projects under Sustainable Environment

(₹ in crore)

City	Projects Proposed		Projects Implemented		Completed		Ongoing	
	Num- bers	Cost	Num- bers	Expenditure as on March 2024	Num- bers	Value	Num- bers	Expenditure as on March 2024
Chennai	2	4.95	9	79.81	8	78.72	1	1.09
Coimbatore	13	266.15	14	345.55	14	345.55	0	0
Erode	2	363.75	3	212.94	2	27.29	1	185.65
Madurai	1	15.00	1	81.39	1	81.39	0	0
Salem	1	24.00	11	76.31	11	76.31	0	0
Tirunelveli	4	191.10	7	81.86	5	56.79	2	25.07
Tiruppur	8	104.35	3	136.15	1	3.88	2	132.27
Total	31	969.30	48*	1,014.01	42	669.93	6	344.08

* Proposed projects were split up into multiple packages during implementation

Appendix 3.3 (h)

(Reference: Paragraph 3.3.8; Page 53)

Status of Projects under Other Projects

(₹ in crore)

City	Projects Proposed		Projects Implemented		Completed		Ongoing	
	Num- bers	Cost	Num- bers	Expenditure as on March 2024	Num- bers	Value	Num- bers	Expenditure as on March 2024
Chennai	0	0	2	51.76	2	51.76	0	0
Coimbatore	1	378.67	8	34.23	8	34.23	0	0
Erode	2	186.98	10	133.92	10	133.92	0	0
Madurai	7	456.00	12	108.64	11	97.45	1	11.19
Salem	4	605.00	19	123.75	18	122.97	1	0.78
Tirunelveli	7	128.50	15	196.38	12	174.57	3	21.81
Tiruppur	5	115.13	5	94.63	5	94.63	0	0
Total	26	1,870.28	71*	743.31	66	709.53	5	33.78

* Proposed projects were split up into multiple packages during implementation

Appendix 3.4

(Reference: Paragraph 3.4.2; Page 62)

Non-availment of scrutiny by High Powered Project Sanctioning Committee

(A) Individual projects not submitted to HPPSC

Sl. No.	Name of the Smart City	Project Name	Cost of Project (₹ in crore)	Number of projects
1	Coimbatore	24x7 Water supply phase 1, TAM-COI-112 phase-II	150.73	1
2	Coimbatore	Housing for All	30.00	1
3	Coimbatore	Replacement of Existing Conventional Street Lights by Smart LED Energy Efficient Lamps	73.69	1
4	Coimbatore	Construction of Micro Composting Centre	23.06	1
		Total	277.48	4
1	Erode	Green space Development	25.67	1
2	Erode	Smart Road	41.32	1
3	Erode	Shopping Hub	17.42	1
		Total	84.41	3
1	Tirunelveli	Smart Motor in all head works and UGD pumping Station	28.90	1
		Total	28.90	1
1	Tiruppur	Smart Roads Phase - I	88.26	1
2	Tiruppur	Smart Roads Phase – II	59.69	1
3	Tiruppur	Solid waste management	21.47	1
4	Tiruppur	Internal Plumbing - Water Supply System	30.37	1
		Total	199.79	4
		Total individual projects	590.58	12

(B) Group of similar projects by splitting up the work - not submitted to HPPSC

Sl. No.	Name of the Smart City	Project Name	Cost of Project (₹ in crore)	Projects (Total) (₹ in crore)	Number of projects
1	Coimbatore	Solar Power Plant at Ukkadam (3.60 MW)	17.84	23.61	2
2		Solar Plant at Ukkadam (1 MW)	5.77		
		Total	23.61	23.61	2
1	Erode	Micro Compost Center Phase I	14.38	21.87	2
2		Micro Compost Center Phase II	7.49		
		Total	21.87	21.87	2
1	Madurai	Street Light LED	14.90	30.25	2
2		Street Light LED	15.35		
		Total	30.25	30.25	2

Sl. No.	Name of the Smart City	Project Name	Cost of Project (₹ in crore)	Projects (Total) (₹ in crore)	Number of projects
1	Salem	Implementation of Smart Road Phase-I-Package-I	13.00	83.60	9
2		Implementation of Smart Road - Phase-II	6.93		
3		Implementation of Smart Road Phase-III in Seetharaman Road	7.15		
4		Implementation of Smart Road Phase-VI at River side Road Anaimeedu Railway Gate to Anandha Bridge and MLCP to Kavis Restaurant No.2 pudhu street in Division-32, 35	13.05		
5		Implementation of Smart Road Phase-IV at Thiyagi Muniappan Road Leigh Bazaar Road Over bridge road at Division Number 27	12.10		
6		Implementation of Smart Road Phase-V at Thammanan Road and Chattram Road in Division Number 27	14.75		
7		Implementation of Smart Road Phase-VII-Ramalingam Sowdeshwari Madalayam Road, Thirumaninalangadi Road & Cause Way Road	3.47		
8		Implementation of Smart Road Phase-VIII – Maravaneri Cross Street No.1 to 7 & Anai road cross street	11.15		
9		Implementation of Smart Road Phase-IX in Jothi Talkies main road and Thambikaliyamman Koil Street	2.00		
10		Formation of Diversion Channel to avoid mixing of sewage water in Kumaragiri Lake	15.11	26.34	3
11		Rejuvenation and Redevelopment of Kumaragiri Lake	10.23		
12		Construction of Front Entrance Arch with gate at two sides and Providing Fencing at Kumaragiri Lake	1.00		
13		Restoration for Water Supply Scheme damaged roads in Division Numbers : 24, 25 & 27	6.23	31.43	6
14		Restoration for Water Supply Scheme damaged roads in Division Numbers : 37, 39, 40 & 43	6.25		
15		Restoration for Water Supply Scheme damaged roads in Division Number : 44	3.91		
16		Restoration for Water Supply Scheme damaged roads in Division Number : 28, 29, 30, 45, 46 & 47	5.13		
17		Restoration for UGSS damaged roads in Division Numbers : 32,33,34,41,42, 43 & 44	4.89		
18		Restoration for UGSS damaged roads in Division Numbers : 45, 46 & 47	5.02		
19		Rejuvenation and Redevelopment of Pallapatty Lake	14.74	34.50	3
20		Development and Beautification of Pallapatty Lake	4.01		
21		Formation of Diversion Channel to avoid mixing of Sewage water in Pallapatty lake	15.75		
22		Implementation of 2.5 MW Grid Interactive Ground Mounted Solar PV Power Plant at Chettichavadi	14.50	30.55	2
23		Implementation of 3 MW solar power plant at Erumapalayam in the ABD Area	16.05		
		Total	206.42	206.42	23

Performance Audit on Implementation of Smart City Mission in Tamil Nadu

Sl. No.	Name of the Smart City	Project Name	Cost of Project (₹ in crore)	Projects (Total) (₹ in crore)	Number of projects
1	Tirunelveli	Development of Nainar Lake Front	14.75	25.78	2
2		Development of Nainar Lake front (South Side) in Tirunelveli Corporation	11.03		
3		Implementation and Enhancement of SCADA System Phase I (Tirunelveli Zone)	11.18	46.67	4
4		Implementation and enhancement of SCADA system phase -II Palayamkottai zone	11.19		
5		Implementation of SCADA system for head works and service reservoirs phase III Thatchanallur zone	12.01		
6		Implementation of SCADA system for head works and services reservoirs phase IV Melapalayam zone	12.29		
7		Green Space Phase-I	7.03	26.23	3
8		Green Space Development Phase - II	7.42		
9		Green Space Development Phase - III	11.78		
10		Formation of Smart road at VOC street	1.64	19.94	3
11		Formation of smart road at T.M Road and junction road	3.14		
12		Development of Smart Road at Ganesapuram east street in ward No 6, Salai road in ward number 5, Sivan south street in ward No 3, Sivasakthi street in ward No.1	15.16		
13		Conversion of Existing Sodium Vapour Lamps into LED Lights in Ward numbers: 3, 5, 6 and 55	13.57	28.04	2
14		Conversion of Existing Sodium Vapour Lamps into LED lights in Ward numbers: 40, 41, 42, 43, 44 and 53	14.47		
15		Purchase of 270 numbers of BOVs for SWM	4.86	17.77	4
16		Procurement of Street Sweeping Machine and Jet Rodding Machine for Solid and Liquid Waste Management System	4.05		
17		Purchase of Hydraulic Mounted Vehicles for Cleaning open drain and Solid Waste management	3.86		
18		Procurement of Vehicles for Solid Waste Management and Liquid Waste Management	5.00		
19		Providing additional new LED Street lights and High mast Phase I	10.38	21.09	2
20		Providing additional new LED Street lights existing pole and Ornamental street lights at ABD area leads to Swamy Nellaiappar temple Phase II	10.71		
21		Construction of Multi Level Two Wheeler parking at Bharat Rathna Dr. M.G.R. New Bus Stand North Phase - I	13.75	23.16	2
22		Construction of Multi Level Two Wheeler parking at Bharat Rathna Dr. M.G.R. New Bus Stand west side Phase - II	9.41		
23		Construction of Commercial Mall at Corporation land near Palai Bus Stand Phase I	15.16	26.89	2
24		Construction of Commercial Mall at Corporation land near Palai Bus Stand Phase II	11.73		

Sl. No.	Name of the Smart City	Project Name	Cost of Project (₹ in crore)	Projects (Total) (₹ in crore)	Number of projects
25	Tirunelveli	Design, Supply, Installation & Commissioning of 3 MW Solar Power Plant at Eastern Side of Tirunelveli Corporation dump yard in Tirunelveli (Phase I)	15.67	26.66	2
26		Design, Supply, Installation & Commissioning of 2 MW Solar Power Plant at Western Side of Tirunelveli Corporation dump yard in Tirunelveli (Phase II)	10.99		
27		Construction of Mahatma Gandhiji Commercial complex at Palayamkottai	9.00	39.83	3
28		Development of Mahatma Gandhiji Fruit & Vegetable Market at Palayamkottai	15.41		
29		Construction of Mahatma Gandhiji General market at Palayamkottai	15.42		
		Total	302.06	302.06	29
1	Tiruppur	Macro Drainage - Package I	15.72	41.52	2
2		Macro Drainage - Package II	25.80		
		Total	41.52	41.52	2
		Group of similar projects - Total	625.73	625.73	60

(Source: Details furnished by sampled smart cities)

Glossary of Abbreviations

Abbreviations	Full Form
A&OE	Administrative and Office Expenses
ABD	Area-based development
AC	Apex Committee
AFD	French Development Agency
AMR	Automated Meter Reading
AMRUT	Atal Mission for Rejuvenation and Urban Transformation
BoQ	Bill of Quantities
BOVs	Battery Operated Vehicles
CEO	Chief Executive Officer
CFI	Consolidated Fund of India
CFS	Consolidated Fund of the State
CLAF	City Level Advisory Forum
CMA	Commissioner of Municipal Administration
CSS	Centrally Sponsored Schemes
DPRs	Detailed Project Reports
DTCP	Directorate of Town and Country Planning
EESL	Energy Efficiency Services Limited
GCC	Greater Chennai Corporation
GoTN	Government of Tamil Nadu
HPPSC	High Powered Project Sanctioning Committee
HPSC	High Powered Steering Committee
HRIDAY	National Heritage City Development and Augmentation Yojana
ICCC	Integrated Command and Control Centre
IHIP	Integrated Healthcare Information Platform
MA&WS	Municipal Administration and Water Supply
MCC	Micro Compost Centres
MLCP	Multi Level Car Parking
MLP	Multi Level Parking
MoHUA	Ministry of Housing and Urban Affairs
MoU	Memorandum of Understanding
NIT	National Institute of Technology

Abbreviations	Full Form
NLCP	National Lake Conservation Plan
NUHM	National Urban Health Mission
O&M	Operation and Maintenance
PA	Performance Audit
PDS	Power Distribution system
PIS	Passenger Information System
PMC	Project Management Consultant
PPP	Public Private Partnership
PWD	Public Works Department
SBM	Swachh Bharat Mission
SCADA	Supervisory Control and Data Acquisition
SCL	Smart City Limited
SCM	Smart Cities Mission
SCP	Smart City Proposal
SLNP	Street Lighting National Programme
SPV	Special Purpose Vehicle
SWM	Solid Waste Management
TCMC	Tiruppur City Municipal Corporation
TNPCB	Tamil Nadu Pollution Control Board
TNTTA	Tamil Nadu Transparency in Tenders Act, 1998
TPD	Tonnes per day
TUFIDCO	Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited
UGSS	Under Ground Sewerage System
ULBs	Urban Local Bodies
WWTP	Waste Water Treatment Plants
ZEZ	Zero Emission Zone