

Appendix 1.1(a)
List of ongoing projects selected for test check
(Reference: Paragraph 1.5, Page 05)

Sl No	Smart city	Name of the project	Smart Feature
1	Bengaluru	Redevelopment of historic economic Centres - Meat Market, Adjacent to KR Market	Economy and Employment
2	Bengaluru	Digital Classrooms for BBMP Schools and Colleges	Education
3	Bengaluru	Provision of Medical Equipment to Kidwai Memorial Institute of Oncology	Health
4	Bengaluru	ICCC - (Integrated Command and Control Centre)	Intelligent Govt Service
5	Bengaluru	Protection and Redevelopment of a Botanically Varied Parkland - Cubbon Park	Open Spaces
6	Bengaluru	Construction of Day Care Centre (Creche) at MS Building	Safety
7	Bengaluru	Proposal for operation of electric buses feeder service to Namma Metro by BMTC – Fleet Procurement	Transportation and Mobility
8	Bengaluru	Revitalization of historic heart of the city - Smart Tender SURE Roads Phase A Package 4	Transportation and Mobility
9	Bengaluru	Revitalization of historic heart of the city - Smart Tender SURE Roads Phase A Package 1	Transportation and Mobility
10	Bengaluru	Revitalization of historic heart of the city - Smart Tender SURE Roads Phase A Package 2	Transportation and Mobility
11	Bengaluru	Revitalization of historic heart of the city - Smart Tender SURE Roads Phase B Package 6	Transportation and Mobility
12	Belagavi	Development of Modern Market at Tilakwadi (Kalamandir)	Economy and Employment
13	Belagavi	Development of Anganwadi at Belagavi Part-A	Education
14	Belagavi	UG - LT Cabling Package I (Srinagar Nagar)	Energy Supply
15	Belagavi	UG - LT Cabling with Decorative Poles (PAN) Package 10: Bank of India to Basveshwar Circle (Khasbag)	Energy Supply
16	Belagavi	UG LT [Package-6] Maratha Colony and Nanawadi	Energy Supply
17	Belagavi	Procurement of mechanical sweeper machine	Health
18	Belagavi	Slum Development at Rukmini Nagar	Housing and inclusiveness
19	Belagavi	Development of Aviation gallery	Identity and Culture
20	Belagavi	CCTV based City Surveillance, Traffic Violation Monitoring and Parking Enforcement in Udyambag, Tilakwadi and Shahapur Police station limits	IT Connectivity
21	Belagavi	Development of Mahatma Phule Garden, Tilakawadi.	Open Spaces

Sl No	Smart city	Name of the project	Smart Feature
22	Belagavi	Smart Roads at Dharmanath Area (Package I) (a)A Type (with Ducting):2.475 Km	Transportation and Mobility
23	Belagavi	Smart Roads at Tilakwadi Area (Package V)	Transportation and Mobility
24	Belagavi	Smart Road with White Topping at Hotel Miland to Gandhi Statue Harsha Showroom (Package 10): 1.73 km	Transportation and Mobility
25	Belagavi	White Topping of Roads Package-5 [Road from APMC-Junction to Kangrali KH]	Transportation and Mobility
26	Belagavi	Smart Road with White Topping at Vadgaon Road to Mahaveer Bhawan (Package 11)	Transportation and Mobility
27	Belagavi	Construction of Roads with Paver Blocks at Shastri Nagar-Balance Road (Behind Nartaki Theatre and Godse colony area) in Belagavi City Package-19	Transportation and Mobility
28	Belagavi	Energy Efficiency-LED Street Lighting	Energy Efficiency
29	Davanagere	Improvements of Government high school building in Davanagere City	Education
30	Davanagere	Providing additional infrastructure to Existing Government Schools of Davanagere North Assembly Constituency	Education
31	Davanagere	Trauma centre and other development works in Chigateri General Hospital (Govt. District Hospital).	Health
32	Davanagere	MSI (Centralised Data Center at KMDS)	IT Connectivity
33	Davanagere	Kundwada lake development with bund improvement	Open Spaces
34	Davanagere	Construction of Indoor Kabbaddi Court at District Stadium	Other
35	Davanagere	Illumination to Kalyani and Clock Tower	Other
36	Davanagere	Operation and Maintenance of 18 Nos. E-Toilets constructed under Phase-1 at 9 Locations	Sanitation
37	Davanagere	Redevelopment of Old City Bus Stand	Transportation and Mobility
38	Davanagere	Improvement of pedestrian footpath Phase II	Transportation and Mobility
39	Davanagere	Improvement of Chamarajpet Road in Davanagere City	Transportation and Mobility
40	Davanagere	Redevelopment of Jagalur Bus stand	Transportation and Mobility
41	Davanagere	Major Storm Water Drains in ABD area Koracharatti to Bethur.	Waste Water Management
42	Davanagere	Construction of Barrage across Tungabhadra River near Rajanahalli village	Water Supply
43	Davanagere	LED street lights	Energy Efficiency
44	Hubballi-Dharwad	Development of Fish Market	Economy and Employment
45	Hubballi-Dharwad	Design, Supply and Procurement of Mobile Library Van	Education
46	Hubballi-Dharwad	Procurement of Solar Butterfly grid	Energy Efficiency
47	Hubballi-Dharwad	Medar Oni Public Health Centre	Health

SI No	Smart city	Name of the project	Smart Feature
48	Hubballi-Dharwad	Digital Display Board	IT Connectivity
49	Hubballi-Dharwad	Tolankere Lake Development Phase-02	Open Spaces
50	Hubballi-Dharwad	Swimming Pool Development Phase-02	Other
51	Hubballi-Dharwad	Smart Road Package-03 Road length: 5.069 Kms	Transportation and Mobility
52	Hubballi-Dharwad	Green mobility corridor (SCM Funded with AFD Grant)	Transportation and Mobility
53	Hubballi-Dharwad	Nala Renovation	Waste Water Management
54	Hubballi-Dharwad	LED Street Lighting	Energy Efficiency
55	Mangaluru	Upgradation of Existing Water Jetty	Economy and employment
56	Mangaluru	Skill Development and Safety Training Centre – OPEX	Education
57	Mangaluru	Conversion of Existing 11 KV HT/LT overhead lines of 11 KV Bolara and Mangaladevi feeders	Energy Supply
58	Mangaluru	Upgradation of Wenlock Hospital - Infra works	Health
59	Mangaluru	Selection of System Integrator for Implementation of Command and Control Center Components in Mangaluru City	IT Connectivity
60	Mangaluru	Rejuvenation of Kavoor Lake for Rainwater harvesting and recreation	Open Spaces
61	Mangaluru	Waterfront Area Development Sub Project - Promenade Development Phase 2B	Open Spaces
62	Mangaluru	Area Development at Sulthan Bathery	Open Spaces
63	Mangaluru	Construction of Indoor Stadium for Kabaddi and Shuttle Badminton near Urva Market	Other
64	Mangaluru	Connector Road from NH66 near Jeppu to Morgans gate including construction of RUB	Transportation and mobility
65	Mangaluru	Smart Road – Package 2 (Loop Road)	Transportation and mobility
66	Mangaluru	Pedestrian Sea-River Link Bridge at Sulthan Bathery	Transportation and mobility
67	Mangaluru	Construction of Under Ground Drainage in Zone IV part 2 and Zone III part 1 in ABD Area (UGD - 2)	Waste Water Management
68	Mangaluru	Restoration Scheme for the collapsed portion of the existing stone revetment of Nethravathi riverbank and SSM jack well No.2	Water Supply
69	Mangaluru	Redevelopment of Central Market along with Fish Market	Economy and Employment
70	Shivamogga	Construction of MLCP with commercial complex	Economy and Employment
71	Shivamogga	Construction of Govt College and Govt PU Girls College, BH Road Shivamogga (Under Advisory-15)	Education
72	Shivamogga	Conversion of Existing Over Head 11 KV/LT lines into Partial UG cable for Facilitating Railway Flyover from Usha nursing home Circle to LBS Nagara Chowdamma Temple	Energy Supply

SI No	Smart city	Name of the project	Smart Feature
73	Shivamogga	Conservation of Heritage Building - Govt School adjacent to Karnataka Sanga and other buildings (Turnkey)	Identity and Culture
74	Shivamogga	Appointment of System Integrator for Implementation of ICCC and other ICT interventions for Shivamogga Smart City	IT Connectivity
75	Shivamogga	Wildlife interpretation centre with science park (Turnkey)	Open Spaces
76	Shivamogga	Nehru Stadium Existing Sports facility upgradation	Other
77	Shivamogga	Area between Jail Road - Kuvempu Road – Sagara Road - Canal Front Road- Package 2b	Transportation and mobility
78	Shivamogga	Development of Smart road in package 1, Area between BH road Savalanga Road, Kuvempu road, in Shivamogga City.	Transportation and mobility
79	Shivamogga	Providing and laying MS/HDPE rising/ Distribution pipe, UGD works and construction of drain at LC 49 and LC 52 in Shivamogga city	Waste Water Management
80	Shivamogga	Solar on Canal top (Tunga high level canal)	Energy Efficiency
81	Tumakuru	Construction of Vending Zones at Jaya Nagar Bus stop, Shettihalli, Tumakuru	Economy and Employment
82	Tumakuru	Development of Model Anganwadi Centres at Dibbur and Other locations in Tumakuru - Phase 2	Education
83	Tumakuru	Infrastructure correction in the existing lighting system in Tumakuru	Energy efficiency
84	Tumakuru	Trauma Centre (Development and Improvement of Medical Facilities in city merged with Trauma Centre)	Health
85	Tumakuru	Apportionment towards GIS Software with KUIDFC	IT Connectivity
86	Tumakuru	Development of Nursery for afforestation and green buffer zones at Amanikere	Open Spaces
87	Tumakuru	Development of Sports Arena at PU College	Other
88	Tumakuru	Smart Road Package-3C (BH Road)	Transportation and mobility
89	Tumakuru	Storm Water Drains - Construction of Diversion Drain for Sewage/Sullage water entering at northern Side of Amanikere.	Wastewater Management
90	Tumakuru	Filling of Hemavathi water from Gangasandra tank to Maralur tank	Water Supply
91	Tumakuru	Multi utility Mall with Multi level car parking	Economy and Employment

Source: Information furnished by Smart Cities

Appendix 1.1(b)
List of completed projects selected for test check
(Reference: Paragraph 1.5, Page 05)

Sl. No	Smart City	Name of the project	Smart Feature
1	Bengaluru	LED Lighting for Vidhana Soudha, Vikas Soudha, MS Building and VV Towers	Energy Efficiency
2	Bengaluru	Provision of Medical Equipment to Institute of Gastroenterology Sciences and Organ Transplant	Health
3	Bengaluru	Providing Smart Traffic Solution to Bangalore Traffic Police at ABD area	Intelligent Govt Service
4	Belagavi	NMT Zone and Hawkers zone-Mahila Market	Economy and Employment
5	Belagavi	Procurement of 3D Printing for Metal and Plastic DIY 3D Printer and handheld 3d Laser scanner for Skill Development Centre	Education
6	Belagavi	Procurement of CNC Milling and CNC Turning Machine for Skill Development Centre	Education
7	Belagavi	Energy Auditing of Street Lights under Smart City Energy efficiency program.	Energy Supply
8	Belagavi	Trauma Centre Part A and B	Health
9	Belagavi	Heritage Park – Phase I Water Body and Check Dam	Identity and Culture
10	Belagavi	Appointment of System Integrator for establishment of Common Command and Control Centre	IT Connectivity
11	Belagavi	Kanbargi lake rejuvenation and recreational spaces	Open Spaces
12	Belagavi	Theme Based Park – NathPai Garden	Open Spaces
13	Belagavi	Rehabilitation of Stray Cattle	Safety
14	Belagavi	Smart Roads at Ramteerth Nagar Area (Package III)	Transportation and Mobility
15	Belagavi	Construction of Roads with Paver Blocks at Rani Channamma Nagar 2nd Stage part -I in Belagavi City Package- 26	Transportation and Mobility
16	Belagavi	Parking for Private buses	Transportation and Mobility
17	Belagavi	Battery Operated Auto Rikshaws	Transportation and Mobility
18	Belagavi	Rain water harvesting and Composting Facility in Parks	Waste Water Management
19	Belagavi	Roadside Drinking Water Kiosk Phase II	Water Supply
20	Davanagere	Construction of Puffed Rice Manufacturing Unit (Working shed) at Mandakki Bhatti	Economy and Employment
21	Davanagere	Establishment of Smart Schools in Davanagere city Phase-III	Education
22	Davanagere	Smart school project (Phase-2)	Education
23	Davanagere	Providing and Installation of Gasifier, Machinery and Equipment in newly constructed Working Sheds	Energy Source
24	Davanagere	Improvements to Maternity Hospital in Bashanagar in ABD Area	Health
25	Davanagere	Laser show at Kundawada Lake and Musical Fountain, Installation of lights and improvements in Glass house	Identity and Culture
26	Davanagere	Command and Control Centre (Construction of Building)	IT Connectivity
27	Davanagere	Installation of Gym and Play equipment in parks - phase II	Open Spaces
28	Davanagere	Redevelopment of Kalyani at Hondada Circle and Clock Tower in ABD Area.	Other

Sl. No	Smart City	Name of the project	Smart Feature
29	Davanagere	Mist Technology Vehicle and other necessary equipment for Fire and Emergency Services Department.	Safety
30	Davanagere	Construction of Public E-toilets in Parks at 9 Locations in Davanagere.	Sanitation
31	Davanagere	Improvement of Mandipet Road in Davanagere City	Transportation and Mobility
32	Davanagere	Construction of Skew bridge across outer ring road and other culverts across storm water drain	Transportation and Mobility
33	Davanagere	Afforestation along Roads Phase –II	Transportation and Mobility
34	Davanagere	Relocation of Old Bus stand	Transportation and Mobility
35	Davanagere	Remodelling of storm water drains in ABD area - Kondajji Road Drain	Waste Water Management
36	Davanagere	Remodelling of storm water drains in ABD area – SPS Nagar drain	Waste Water Management
37	Davanagere	Providing Raw water Transmission Bypass line by tapping the existing pipeline nearby Kundawada lake directly to Kundawada WTP.	Water Supply
38	Davanagere	Development, operating and maintenance of Smart Bus Q Shelters at 52 locations in Davanagere city on PPP mode at Davanagere phase 1	Transportation and Mobility
39	Hubballi-Dharwad	Renovation of Core Markets - Janata Bazaar Package (A) Rehabilitation of 200 Kattas	Economy and Employment
40	Hubballi-Dharwad	Smart School	Education
41	Hubballi-Dharwad	Smart Healthcare	Health
42	Hubballi-Dharwad	Procurement and Installation of Boom Barriers	IT Connectivity
43	Hubballi-Dharwad	ICCC– Services	IT Connectivity
44	Hubballi-Dharwad	ICCC- Room Interior	IT Connectivity
45	Hubballi-Dharwad	M G Park Phase- I (musical fountain)	Open Spaces
46	Hubballi-Dharwad	Redevelopment of Swimming Pool at Hubballi	Other
47	Hubballi-Dharwad	Sanitary Napkin Vending Machine	Sanitation
48	Hubballi-Dharwad	Basic Services to Urban Poor (BSUP) Package-03 (35 Roads) Road Length-5.911Km	Transportation and Mobility
49	Hubballi-Dharwad	Smart Roads Package-04 New Roads (Total road length - 2.07 Km,)	Transportation and Mobility
50	Hubballi-Dharwad	Desilting of Rajnalla (South)	Waste Water Management
51	Mangaluru	Skill Development and Safety Training Centre - CAPEX	Education
52	Mangaluru	Conversion of Conventional lights into LED Lights in Government Buildings	Energy Efficiency
53	Mangaluru	Construction of additional floor at existing building of Lady Goschen hospital	Health
54	Mangaluru	Establishing Karnataka Urban Observatory and Centre of Excellence at Bengaluru	IT Connectivity
55	Mangaluru	Rejuvenation of Gujjarakere Lake for Rainwater harvesting and recreation	Open Spaces
56	Mangaluru	Construction of Clock Tower at Clock Tower Junction	Transportation and mobility

Sl. No	Smart City	Name of the project	Smart Feature
57	Mangaluru	Underground Drainage network in ABD Area - Package 3B	Waste Water Management
58	Shivamogga	Smart Education in Govt Schools - Pan City (35 school)	Education
59	Shivamogga	Balance work in the First floor of Super specialty hospital of SIMS”	Health
60	Shivamogga	Street Art in the selected locations across the city	Identity and Culture
61	Shivamogga	Modern Police information/ Tourism kiosk	intelligent Govt Service
62	Shivamogga	Development of Freedom Multi Utility Space and its Partial Implementation	Mixed Use
63	Shivamogga	Development of Masthambika temple park (Park 03) in Shivamogga City	Open Spaces
64	Shivamogga	Nehru Stadium Beautification	Other
65	Shivamogga	Smart Road from Ashoka Circle to Alkola Circle	Transportation and mobility
66	Tumakuru	Amanikere Urban Hath	Economy and Employment
67	Tumakuru	Construction of Multi-Dimensional Auditorium with Library and Classrooms at Empress Govt. High School/PU College	Education
68	Tumakuru	Selection of Agency for establishment of digital classrooms, ICT lab and language labs at Govt. College and schools	Education
69	Tumakuru	Digital Library Solution	Education
70	Tumakuru	Procurement and Installation of Furniture for PU College Including Additional Classrooms	Education
71	Tumakuru	Installation of Sanitary Napkin Dispenser and Incinerator (at Empress High school/ PU college)	Education
72	Tumakuru	Energy Efficient Lighting (LED lighting for New extensions)	Energy efficiency
73	Tumakuru	Solar Panelling of Glass House	Energy Efficiency
74	Tumakuru	Procurement of Medical and other equipment's for RT-PCR Lab at District Hospital for COVID 19 Testing.	Health
75	Tumakuru	Affordable Housing at Mariyamma Nagar	Housing and inclusiveness
76	Tumakuru	Smart Parking at M.G Road Conservancies - Civil Part	Intelligent Govt Services
77	Tumakuru	Smart Parking at M.G Road Conservancies - IT Part	Intelligent Govt Services
78	Tumakuru	Smart Lounges - Furniture part	Intelligent Govt Services
79	Tumakuru	Construction of Boundary Wall and chain link Fencing with MS gate and provision for cameras and Lighting around Amanikere Lake.	Open Spaces
80	Tumakuru	Selection of System Integrator for Installation, commissioning and operation of Smart Infrastructure at selected parks in Tumakuru - IT components	Open Spaces
81	Tumakuru	Development of park near Panchamukhi Extension Antharasanahalli bypass and Development of Azad Nagar Park in Ashoka Nagar	Open Spaces

Sl. No	Smart City	Name of the project	Smart Feature
82	Tumakuru	Development of parks at Batavadi Pragathi Badavane and Yadava nagar	Open Spaces
83	Tumakuru	Supply, Installation and Erection of 65 mtr High Mast Flag Pole at Amanikere	Open Spaces
84	Tumakuru	Development of Parks - Adarsh Nagar - Ward No:20	Open Spaces
85	Tumakuru	Development of Parks - Mahalakshmi Layout	Open Spaces
86	Tumakuru	Development of Parks- IB PWD park	Open Spaces
87	Tumakuru	Gym equipment procurement for SFC ate Govt PU	Other
88	Tumakuru	Construction of Conventional Public Toilet blocks - (4 Locations)	Sanitation
89	Tumakuru	Rejuvenation and Up gradation of Ring Road	Transportation and mobility
90	Tumakuru	Smart Road Package-1 (4 Roads - MG, JC, Horpet and Vivekananda roads.	Transportation and mobility
91	Tumakuru	Development of Field Marshal Cariappa road as Smart road	Transportation and mobility
92	Tumakuru	Construction of 107 PIS boards at bus stands in Tumakuru	Transportation and mobility
93	Tumakuru	Supply, installation of Litter bins, roller containers and sign board	Waste Management
94	Tumakuru	Installation of CCTV in Solid Waste Management unit at Ajjondanahalli, Tumakuru.	Waste Management
95	Tumakuru	Intervention and Additional improvement for 24*7 Water Supply (SCADA system (KUWSDB))	Water Supply
96	Tumakuru	Piped Natural Gas Supply	Energy Supply

Source: Information furnished by Smart Cities

Appendix 2.1

Statement showing the attainment of goals by the Smart Cities

(Reference: Paragraph 2.2, Page 09)

Sl. No	Smart City	Strategic Pillar	Goal/Aspiration of the City	Achievement	Audit remarks
1	Belagavi	Affordable Housing including Slum Development	Provisioning adequate housing stocks to Economical Weaker sections through integrated vertical development	Unachieved	No projects taken for Housing Stock. Only one project of ₹ 5.32 crore taken for providing basic amenities at Rukamini Nagar Slum by the SPV. Further two housing projects of ₹ 133.49 crore were taken up by BCC. The housing stock created in the city was not adequate considering the demand assessed by PMAY.
2	Belagavi	Economy and Employment	New 18 KM commercial corridor and construction of Multi Utility Facility Centres (MUFC) to augment decentralised growth, revenue recovery and promoting mixed land use at five locations	Partly Achieved	Kalamandir MUFC was constructed and nearing completion. No project was taken for the proposed 18 KM commercial corridor.
3	Belagavi	Economy and Employment	Ensuring Imparting desired skill sets to potential human resources viz., professionals, organized, an unorganized sector through various skill development centres proposed at five MUFCs thereby ensuring employment and sectoral growth.	Partly Achieved	The proposal of MUFCs was under progress. However, the SPV has provided tools and machineries worth ₹ 7.82 crore to the Govt. Skill Development Centre, Belagavi. Two Projects of ₹ 9.32 crore were taken up for Hawker Zone. Six convergence projects of ₹ 27.95 crore were taken for Mother Teresa Memorial, KMF, Fuel Boiler etc.
4	Belagavi	Basic Amenities	24x7 Potable water for all assuring quality, quantity and service by 2019 with smart metering and e-billing.	Unachieved	Smart Water Metering Project was dropped in 13 th Board Meeting (BM) due to want of funds for and 24 × 7 water supply was under implementation. Hence the goal remained unachieved. Nine water projects for ₹ 630.17 crore were taken up by KUWSDB for 24×7 water supply.
5	Belagavi	Basic Amenities	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.	Not Known	Solid waste management including RDF plant was dropped in 13 th BM. Integrated SWM was dropped in 08 th BM. In absence of adequate data, Audit could not assess the achievement of this goal. Two projects worth ₹ 1.8 crore were taken up for procurement of mechanical sweeper machine and sanitary vending machine and incinerator. One project of RWH for ₹ 0.04 crore was taken up. Seven convergence projects were taken by other implementing agencies for ₹. 218.85 crore. One project of Public Urinals and Toilets is taken by BCC under SFC grants for ₹ 1.8 crore. Due to inadequate information in respect of coverage of UGD and public toilet built, the achievement could not be assessed.
6	Belagavi	Energy	Assured continuous electricity supply by augmenting 12% through renewable energy	Unachieved	Smart Electrical Metering- Project Dropped in 13 th BM due to want of funds. Wind Power Generation ₹ 186 crore was dropped in 08 th BM. No projects were taken up in this regard.

7	Belagavi	Energy	Aiming at reduction of T&D losses by underground HT & LT lines by 2019	Not Known	UGLT - funding reduced from ₹ 168 crore to ₹ 104 crore - 11 UGLT projects implemented for ₹ 94.15 crore, One project of Energy Audit for ₹ 0.24 crore was taken up and completed. UGLT Package 12 - dropped in 16 th BM due to lack of funds. UG-HT was already implemented by HESCOM for ₹ 316.27 crore. Five convergence projects regarding electrical poles, ULLT and streetlights were taken up by various implementing agencies for ₹ 32.96 crore. However, due to inadequate information in respect of T&D losses, the achievement could not be assessed.
8	Belagavi	Energy	retrofitting of existing streetlights with LED to minimize energy consumption by 2017	Unachieved	Energy Efficient Lighting Project taken under PPP -₹ 69.91 crore was under Implementation
9	Belagavi	Energy	Achieve 100 <i>per cent</i> door to door collection, segregation, scientific treatment and disposal ensuring waste to energy by 2017.	Partly Achieved	As ICT enabled SWM projects taken up under ICCC is put to use and door to door collection is being going on. However, segregation, scientific treatment and disposal ensuring waste to energy not known.
10	Belagavi	Transport Mobility and Accessibility	Ensuring Intelligent Transport System assured last mile connectivity. Also ensuring of a city and 8 satellite bus terminals by 2019.	Unachieved	Central Bus Station project was under Implementation. Proposed PPP funding of ₹ 50 crore was removed in 08 th BM. Convergence funding not mobilized. No satellite bus station was taken for development. ICT enabled project ITS taken under ICCC was not put to use as commented in the audit report.
11	Belagavi	Transport Mobility and Accessibility	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.	Partly Achieved	Funding for flyover changed to SCM and reduced to ₹ 100 Crore in 08 th BM, which was later deleted in 16 th BM due to high cost and request of MLA. The work of underpass was - deleted in 08 th BM. However, RoB at Old Gogte Road and 03rd Gate, and Over Bridge at Kapileshwar Road and Old PB Road were executed by PWD and Railway Department for ₹ 86.7 crore.
12	Belagavi	Transport Mobility and Accessibility	Development of cycle tracks, improvement of footpath for walkability by completing 407 and 702 km by 2017 respectively	Partly Achieved	40 projects worth ₹ 535.78 crore were taken up for Smart Roads, Paver Block Roads, NMV Packages, Bus Shelters, White Topping Packages. Four projects of ₹ 52.7 crore for Bus Shelter, NWKSRC, were dropped in 08 th BM. Two Projects of ₹ 0.90 crore were taken for road side water kiosks. 18 Convergence projects for Roads, CBT NMT were taken by various implementing agency for ₹ 262.33 crore. One project of Public Bike Sharing has been taken up on PPP mode for ₹ 3.71crore.
13	Belagavi	Transport Mobility and Accessibility	Making available non-motorized streets, walkability, network connectivity and paratransit transport by year 2017.	Partly Achieved	
14	Belagavi	Energy	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 heater	Not Known	In the absence of adequate information, Audit could not assess the achievement against the Goal.
15	Belagavi	Energy	Achieve 80% coverage of flat roofed government buildings with Solar PV Panels by 2018.	Unachieved	The project was dropped in 08 th BM. A project of Solar panel SRTPV system under IPDS project for ₹ 1.5 crore was taken up by other implementing agency.

16	Belagavi	Environment and Ecology	Ensuring air quality, maintaining desired green cover, developing parks and open spaces, water bodies by 2018	Partly achieved	Development works of Kotekere and Kanbargi Lakes have been taken up for ₹ 12.36 crore. Air quality, water quality recharge of water bodies Project was dropped in 13 th BM. Forest department undertook one project of urban afforestation for ₹ 1 Cr.
17	Belagavi	Energy	CNG and PNG Gas access to domestic, commercial and industrial use of the city by year 2018.	Unachieved	The Project was dropped in 08 th BM. However, PNGRB has taken city gas distribution projects for ₹ 346 crore, which is ongoing.
18	Belagavi	ICT enabled Smart Governance	ICT enablement by creating centralized command centre and E-Governance to be fully accomplished through "Belagavi One Centre" 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.	Partly achieved	IT Connectivity project for ₹ 35 crore was dropped in 08 th BM. Eight projects of ₹ 64.30 crore were taken up for ICCC, Digital Bill Board, Karnataka Urban Observatory and Centre of Excellence ,Upgradation of GIS Software License and Upgradation of Govt city Library into Hi-tech of Digital Library.
19	Belagavi	Park and Public Space	Preserving rich heritage Fort structure, developing heritage park with available 160 acres there by promoting cultural history to enable value based growth by 2018.	Unachieved	Fort and Moat Precincts projects, ₹ 25 crore was dropped in 18 th BM. For development of Heritage Park, six projects has been taken up for ₹ 54.77 crore which includes aviation gallery, art gallery, cultural village <i>etc</i> , However minimal progress has been made under the said works.
20	Belagavi	Park and Public Space	Attaining desired infrastructure levels in recreational and sports activities by constructing Art Gallery, Museum, Exhibition centre, Yoga and meditation centre	Partly achieved	Nine projects for theme/parks and two projects for rehabilitation of cattle pigs, were taken up for ₹ 14.57crore. Art gallery cum exhibition centre and children science park worth ₹ 14 crore was dropped in 16 th BM. Development of Modern Market at Kalamandir was taken for ₹ 53.89 crore Five Health projects of ₹ 8.08 crore were taken up which were not aligned to the Goal. Eight Projects of ₹ 18.92 crore were taken up for education, which were not aligned to the Goal. 14 convergence projects in respect of health and education were taken up by various implementing agencies for ₹ 245.79 crore which were not aligned to the Goal. 36 convergence projects for ₹ 54.72 crore were taken by various implementing agencies in respect of park and open spaces. One project of ₹ 35.14 crore was taken by Police Housing Corporation.
21	Bengaluru	Affordable Housing including Slum Development	To create 50,000 new housing stock	Unachieved	No projects taken for housing stock. Moreover, the allocation was grossly inadequate to achieve the Goal of 50,000 houses, considering the estimated cost of each house as ₹ 5 Lakh under HFA.
22	Bengaluru	Transport Mobility and Accessibility	Encourage major roads redone as per Tender S.U.R.E standards	Achieved	12 road projects of ₹ 454.99 crore have been taken up by the SPV. One project of BMTC (Electric Bus) was taken up for ₹ 50 Crore. Two projects of ₹ 10.92 Crore was taken up for Digital Class Rooms for BBMP Schools and Colleges, which was not aligned to the Goal. Two projects of ₹ 5.56 Cr were taken up for Improvement in Schools. Four Road works of ₹ 91.83 Cr were taken by BBMP. In respect of Disabled friendly roads, the non-achievement was commented in the audit report. A project of MLCP at Gandhi Bazar has been taken up for ₹ 18.76 crore.
23	Bengaluru	Transport Mobility and Accessibility	Promote contiguous walkability along roads with safe crossings, including for the differently abled	Achieved	
24	Bengaluru	Transport Mobility and Accessibility	Provide sustainable mobility choice through electric transport and improve last mile connectivity	Achieved	

25	Bengaluru	Transport Mobility and Accessibility	Connect such landmarks by non-motorized transportation network towards a vibrant urban precinct	Achieved	IN 12 Road projects, 2 Km of cycle track network has been developed by the SPV to promote the non-motorised transport system
26	Bengaluru	Basic Amenities	Assured supply of 135 LPCD water through public delivery channels	Unachieved	There was no allocation made in the SCP. SPV has not taken any project in this regard and due to inadequate information in this regard, Audit could not assess the achievement against this Goal.
27	Bengaluru	Basic Amenities	Flow of untreated sewerage into storm water drains and lakes cut by 70% in the ABD	Unachieved	None of the project has been taken by the SPV
28	Bengaluru	Basic Amenities	All public places in the ABD has access to public toilets thereby reducing open defecation and urination by 70%	Partly Achieved	BBMP is assigned with installation and maintenance of toilets throughout Bengaluru including ABD area of BenSCL. However, toilets have been provided as part of integrated mobility hub and junction improvement at K.R Market Project.
29	Bengaluru	Basic Amenities	Reduction in open garbage dumps on roads and in market centres	Partly Achieved	Dustbin/ garbage bins has been provided in all 32 roads of 12 Road projects by the SPV for the collection of Dry and Wet waste.
30	Bengaluru	ICT enabled Smart Governance	100% of garbage related grievance resolved within 12 hours	Partly achieved	ICCC has been taken up for an amount of ₹ 118.87 crore in two phases. However, the project has been in operational. Grievance Management has been included as IGMRS in ICCC project. The SWM and its component had been descoped in ICCC project due to formation of Bengaluru Solid waste Management Limited. Same was approved in 22 nd Board meeting the call centre manage all grievances related to BBMP including SWM.
31	Bengaluru	Basic Amenities	Garbage sent to landfills from bulk producers reduced by 40%	Unachieved.	There was no allocation made in SCP. SCP has not taken any project in this regard.
32	Bengaluru	ICT enabled Smart Governance	Reduction in crimes including crimes against women and children	Not Known	Due to inadequate information, Audit could not assess the achievement against this Goal. A project of ₹ 8.73 crore has been taken by SPV for Providing Smart Traffic Solution to Bangalore Traffic Police in the ABD area. Phase 2 has been taken up for ₹ 1.94 crore.
33	Bengaluru	ICT enabled Smart Governance	Enhance neighbourhood safety and security	Unachieved	Project dropped in 07 th BM by SPV.
34	Bengaluru	Energy	Uninterrupted and reliable power supply for all citizens in Bengaluru	Unachieved	Due to inadequate information, Audit could not assess the achievement against this Goal.
35	Bengaluru	Energy	10% of aggregate power demand met through renewable energy source	Unachieved	No project taken up by the SPV. Due to inadequate information, Audit could not assess the achievement against this Goal. A project of ₹ 1.9 crore was taken for LED lighting for Vidhana Soudha which was not aligned to the Goal.
36	Bengaluru	ICT enabled Smart Governance	30% of city budgets utilized through participatory budgeting processes	Unachieved	Project has not been taken up by the SPV
37	Bengaluru	ICT enabled Smart Governance	Maximize reach and range of service in the existing platform of e-governance	Achieved	ICCC One City One Number, One City One Portal and One City One App is implemented to facilitated citizens to register grievance across multiple line department which handle civic services also information dissemination of public project status through web portal to ensure

					informed citizenry. Open data portal of Bengaluru is implemented - information access of various data of line department.
38	Bengaluru	ICT enabled Smart Governance	Own revenue increase by 40% p.a; cost escalation in establishment costs at <= 10% p.a.	Unachieved	ICCC is an integrated platform where the integration of 14 line department is in progress. The property tax software for BBMP developed by NIC is integrated with ICCC for improve the efficiency of tax collection.
39	Bengaluru	ICT enabled Smart Governance	Monetization of land and properties (FAR, market linked lease rentals, PPPs)	Unachieved	Data not provided.
40	Bengaluru	ICT enabled Smart Governance	Enhance municipal credit rating	Unachieved	Implemented by BBMP
41	Bengaluru	Economy and Employment	Create a replicable model of a revitalized economic centre	Unachieved	2 Projects of ₹ 57.72 were taken up in KR Market. No project was taken for Malleswaram Market. One project of ₹ 34.65 crore was taken for JN Planetarium. Four projects of ₹ 11 crore were taken based on other Department's requests which were not aligned to the Goal. Further retrofitting of KC General Hospital was deleted in 07 th BM. and 11 Health projects of ₹ 92.79 crore were taken up which were not aligned to the Goal.
42	Bengaluru	Economy and Employment	Through cutting-edge urban design interventions, rejuvenate 5 historic landmarks in the city that are associated with its identity towards vibrant destinations	Partly Achieved	Two Projects of ₹43.61 crore were taken up for Botanically Varied Parkland - Cubbon Park. Two Projects regarding Integrated mobility towards creating vibrant destination of ₹ 25.12 crore were taken at Shivajinagar and KR Market.
43	Davanagere	Affordable Housing including Slum Development	Affordable Housing for all with proportionate infrastructure	Unachieved	There was no separate allocation for this sector in the SCP, however there was a sub-component in Mandakki Bhatti development. The Project was deleted and no other projects taken up for Housing Stock by the SPV.
44	Davanagere	Affordable Housing including Slum Development	Move towards a slum free city	Unachieved	There was no separate allocation for this sector in the SCP, however there was a sub-component in Mandakki Bhatti development. The Project was deleted and no other projects taken for Housing Stock by the SPV.
45	Davanagere	Basic Amenities	24 x 7 uninterrupted supply of all basic services	Partly Achieved	15 Projects of ₹ 138.17 crore are taken for Storm Water Drains in the city, which are in various stage of progress. Construction of Barrage across Tungabhadra River near Rajanahalli village for ₹ 83.73 crore. A project of Raw water Transmission Bypass line by tapping the existing pipeline nearby Kundawada lake directly to Kundawada WTP for ₹ 1.42 Crore. 24x7 water supply scheme was taken up by KUIDFC for ₹ 662.08 Cr. Sewerage and Storm water Works were taken up by KUIDFC and DCC for ₹ 234.26 crore.
46	Davanagere	Transport Mobility and Accessibility	Easy affordable and clean public transport supported by Intelligent Traffic Management System	Partly achieved	Underground Utility Corridor - allocation reduced from ₹ 50.96 crore to ₹ 28.82 crore in 07 th BM. Intelligent Urban Mobility System and Secured Environment, project worth ₹459.35 crore was dropped in 07 th BM. Allocations were merged and 27 Road and basic infrastructure

47	Davanagere	Transport Mobility and Accessibility	Enhanced facilities for pedestrians, cyclist and other non-motorized traffic	Partly achieved	Projects of ₹ 288.48 crore have been taken up and in various stage of progress. Seven Projects of ₹ 188 Cr regarding development of various bus stands have been taken up and in various progress. Two Road projects were taken by DUDA and DCC for ₹ 39.32 crore and two Projects of UGLT for ₹ 30.56 crore were taken up by BESCOM.
48	Davanagere	Transport Mobility and Accessibility	Organized parking spaces	Unachieved	Smart parking is under implementation under ICT project.
49	Davanagere	ICT enabled Smart Governance	Surveillance and dynamic street lighting for safety.	Partly achieved	ICT infrastructure components has gone live on 01.12.2022. Street light project under PPP model has been completed.
50	Davanagere	Economy and Employment	Plan for equitable growth in terms of economic prosperity, employment generation.	Not Known	Allocation was reduced from ₹ 102.91 crore to ₹ 7.79 crore in 07th BM. The substitute projects taken were not oriented towards the Goals. A project of ₹ 24.49 crore was taken up by APMC. However, due to inadequate information in respect of employment generation, the achievement of the goal could not be assessed.
51	Davanagere	Economy and Employment	Promote more skill development so that a sizeable workforce can be developed across diversified sectors to take up challenges and opportunities.	Unachieved	Neither the SCP proposed any activity in this regard, nor the SPV has taken up any project.
52	Davanagere	Economy and Employment	Minimize disparity in development between any areas within the city	Not Known	There was no allocation in the SCP. In absence of adequate information, the assessment of the goal could not be done.
53	Davanagere	Economy and Employment	Equal opportunities and benefits of development	Not Known	There was no allocation in the SCP. In absence of adequate information, the assessment of the goal could not be done.
54	Davanagere	Economy and Employment	Adaptive to new emerging technologies.	Achieved	Projects such geo fencing based SWM, ATCS, One City One Portal , e-learning centres, smart schools and colleges provided.
55	Davanagere	Economy and Employment	Build upon the major economic engines of trade, food processing units, growth of medium, small and micro enterprises and nurture entrepreneurship	Partly Achieved	All shops provided in KSRTC bus stand in Davanagere and Bethur road, Jagalur bus stand old city bus stand nurture entrepreneurship and able to provide self-employment to 100+ people. DSCL projects such 6 Smart roads ATCS, smart parking have been able to decongest the city and given major boost to city transportation which helped the areas to become the engines of growth in the city.
56	Davanagere	Economy and Employment	Clean and green city through use of sustainable technologies.	Partly Achieved	Projects such as solar rooftops, solid waste management, afforestation, LED street light, Geo fencing waste SWM are implemented to promote clean and green city.
57	Davanagere	Economy and Employment	Reduced air pollution through use of advanced heating technology.	Achieved	Construction of electric crematorium helped to avoid the air pollution.
58	Davanagere	Education and Health	Developed to its full potential and attract more students.	Partly Achieved	There was no separate allocation for education and health in the SCP. However, there was a sub-allocation of this sector in Mandakki Bhatti Development. Since the project was deleted, the SPV implemented 18 Projects of ₹ 44.89 crore related to education and three Projects of ₹ 17.67 crore related to Health. Data regarding 100 per cent literacy rate is not available, hence the achievement of the goal could not be assessed.
59	Davanagere	Education and Health	Build and improve upon the primary, secondary, pre -university and professional courses.	Partly Achieved	

60	Davanagere	Education and Health	Access education across all levels to achieve 100% literacy rate.	Partly Achieved	
61	Davanagere	Park and Public Space	Entertainment of its masses, like amusements parks, botanical gardens, children's museum, regional science city and multiplexes	Partly Achieved	15 Projects of ₹ 67.11 crore are taken up by SPV. It includes parks, Kundawa Lake, Stadiums and other miscellaneous works. Development of park in Shamanur Village was taken up by DCC for ₹ 0.93 crore.
62	Davanagere	Energy	Usage of efficient low carbon emission renewable energy.	Partly Achieved	No projects taken up by SPV under the Mission. Two projects have been taken on PPP mode for ₹ 25.85 crore for LED street light and Solar Roof Top. However, progress has not been made under the same.
63	Davanagere	Basic Amenities	Improved health and sanitation conditions.	Partly Achieved	GPS and RFID Based Integrated Solid Waste Management System was awarded for ₹ 9.16 crore. However, integration with ICCC has not been carried out. Six Projects related to e-toilets and sanitary napkins have been taken up for ₹ 7.70 crore. Four projects of Electrical crematorium and afforestation have been taken up for ₹ 10.7 crore. Two projects of Spraying machines and Mist Technology Vehicle were taken up for ₹ 1.25 crore.
64	Huballi-Dharwad	Affordable Housing including Slum Development	Improve the standard of schools and hospitals in the slums of the city through innovative PPP	Achieved	Vani Vilas Development Project was taken up for ₹ 13.43 crore. Another Project of Medar Oni PHC improvement was taken up for ₹ 4.73 crore. Apart from this this HDSCL has implemented 3 packages under basic services to urban poor in slum area such as Ramalingeshwara nagar, Kulkarni Hakkal, Torvi galli, where development of roads footpath strom water drainages provided street light redevelopment of primary health centre and school. It has help to makes slums free.
65	Huballi-Dharwad	Economy and Employment	To become the gateway of trade, commerce and business in the region, clocking a GDP growth of 7% every year from 2018-2028	Unachieved	Railway Station Redevelopment was dropped in 07th Market. Though the SPV has taken up seven development works in four city markets and one QC laboratory for ₹36.16 crore, however in absence of adequate data, we could not assess the actual achievement of this goal. The redevelopment of fish market, Janata Bazar, Bengari Market and Unkal Market was taken up and completed. However, the same has not been allotted to eligible vendors. Thus, due to non-allotment of these market the objective of scheme has not been achieved till date.
66	Huballi-Dharwad	Economy and Employment	To increase the export by 15 per cent every year during 2018-2028	Unachieved	Though the SPV has taken up development works in four city markets, The redevelopment of fish market, Janata Bazar, Bengari Market and Unkal Market was taken up and completed. However, the same has not been allotted to eligible vendors. Thus, due to non-allotment of these market the objective of scheme has not been achieved till date.
67	Huballi-Dharwad	Economy and Employment	To have skilled manpower pool double in next five years	Unachieved	Both the projects were dropped in 07th BM. No project towards the goal was taken during implementation also by the SPV.
68	Huballi-Dharwad	Basic Amenities	To improve the infrastructure to provide 24x7 water supply, 24x7 electricity to the CBD, and tender SURE roads for the CBD	Partly Achieved	Water supply system 24*7 with smart metering for ₹ 24.5 crore was dropped in 07 th BM. Two Projects of ₹ 44.30 crore regarding Underground drainage were dropped in 07 th and 11 th BM. People Empowerment Platform for ₹ 84 crore was dropped in 07 th BM. Two projects of Solar Roof Top were dropped in 07 th BM and 32 nd HPSC. 02 projects regarding SWM of ₹2.7crore were dropped in 07 th BM. Six Projects regarding desilting of Nalas, and Green Corridor, e-toilets, sanitary vending napkin have been taken for ₹ 132.8 crore, two Projects of RWH and Litter Free Zone SWM have been taken up for ₹ 3.39 crore. One project for HDSCL website for ₹ 10 thousand has been taken. 10 Projects regarding ICCC were taken for ₹ 73.26 Cr, which were not aligned to the Goal. Two Projects of ₹ 2.64 Cr were taken towards Electrical crematorium, and solar grid not aligned to the Goal. 24*7 Water Supply project has been taken

	Huballi-Dharwad	Transport Mobility and Accessibility			for ₹ 683 Crore by KUWSDB. Storm Water Drains work are taken by HDMC for ₹ 14.13 crore. Three Projects for UGD works were taken for ₹ 381 crore in AMRUT scheme, integrated SWM is taken up by HDMC for ₹ 60.4 crore.
	Huballi-Dharwad	Transport Mobility and Accessibility			Transport Terminal Hub with Wi-fi- enabled services, ₹ 316.4 crore dropped in 03rd BM. MLCP worth ₹ 59.5 crore was dropped in 07th BM. Allocations of Footpath Improvement, IPT Connectivity, Junction Improvement, Storm Water Drains, NMT Zones and Underground Ducting of Electricity were merged and Smart Road Packages were taken by the SPV. 15 Projects regarding Smart Road, BUSP, Old City Bus Stand and Smart Parking have been taken up for ₹ 408.64 Cr. One project of Boom Barrier for ₹ 3.88 crore have been taken up. Smart Parking Tower is taken on PPP mode for ₹ 50 Crore. 04 Road projects of ₹ 116.98 crore were taken up by NHAI
69	Huballi-Dharwad	Transport Mobility and Accessibility	To reduce the transit time, increase the average speed to 45km/hr	Partially achieved	Though the SPV has taken projects for road improvements and junction improvement, which are benchmarked against another goal of the city. However, in respect of this specific goal, due to insufficient data, audit could not assess the achievement. Old city bus stand has been taken under SCM and same is yet to be completed.
70	Huballi-Dharwad	Education and Health	To increase the quality of schools and colleges and ensure BVB university and SDM institutions, ranks within first 20 educational institutions by 2020	Not Known	Though there was no specific allocation in the SCP for Health and Education, however project in this sector have been taken up by SPV. Two Projects of ₹ 1.42 crore for Smart Classes and three Projects of ₹ 26.93 crore for KIMS, Chittagupi hospital and Smart Health have been taken up which were not aligned to the Goal. No projects were taken for BVB university and SDM institutions and ranking of the institutions is not known. Repair of Lamington School was taken up by HDMC for ₹ 3 crore.
71	Huballi-Dharwad	Park and Public Space	Develop the public spaces thru citizen participation	Partly achieved	Six Projects of Park Redevelopment for ₹ 28.08 crore were taken up. Three projects of Lake Development in Unkal Lake and Tolankere Lake for ₹ 74.41 Cr have been taken up. This includes MG Park, Tolankere Lake, and Nehru Stadium. seven works were completed. Four works regarding Swimming Pool, Nehru Stadium and Integrated Sports Complex have been taken up for ₹ 192.15 crore. Integrated Sport Complex has been just awarded and no progress has been made. Convergence Project of Khelo India has been taken for ₹ 6.97 crore.
72	Huballi-Dharwad	Park and Public Space	Development of cultural zones in the city, thus enhancing the quality of life.	Partly Achieved	
73	Huballi-Dharwad	Environment and Ecology	Novel method of greening the city using the Eco-battalion of the Territorial army.	Unachieved	No such projects were taken up by the SPV.
74	Mangaluru	Transport Mobility and Accessibility	Improve accessibility, connectivity and efficiency within public transportation and NMT	Partly Achieved	The SPV has taken up 13 projects for development of smart roads, construction of Bus terminal, bus shelters, bridges at a cost of ₹358.42 crore from SCM funding. Multi Car Level Parking is taken on PPP mode for ₹ 94 crore. Integrated Transport Hub (Integrated Bus Terminal with Retail mall and Recreational Center) is taken on PPP mode for ₹ 200 Crore, however no bidders have participated in 03 call so far. 22 Road and circle works are taken by MCC for ₹ 79 Cr. Issues regarding non-achievement of Cycle Track, connector road, are commented in the audit report.
75	Mangaluru	Energy	Upgrade Civic Infrastructure to be sustainable and efficient	Partly Achieved	IPDC Proposals of ₹34.3 Cr were dropped in 12th BM, Roof Top Solar- Two Projects of ₹ 20 crore dropped in 12th BM. , Smart Energy Meter for LT - ₹37.5 Crore was dropped in 07th BM. Conversion of all lights into Solar LED of ₹ 21.79 crore was dropped in 07th BM. Solar and recreational island of ₹ 86.74 crore was dropped in 12th BM. Installation of Rooftop Solar on Government Buildings in ABD area -Phase 1 ₹ 7.08 Cr and Conversion of Street Lights to LED- ₹ 69.35 Cr are tendered on PPP mode, implementation yet to be done.

					Conversion of Conventional lights into LED Lights in Government Buildings - 2.23 Cr - Ongoing, Retrofit Car Street and areas of Sri Venkatramana Temple- ₹ 4.95 Cr - Ongoing Conversion of Existing 11 KV HT/LT overhead lines at Mangaladevi Temple road and New Monkey Stand road - ₹ 3.78 Cr - Ongoing. Execution of model sub division works in Attavara taken by MESCOM for ₹ 141.54 Cr.
76	Mangaluru	Education and Health	Build on high standards of Cleanliness, Public Health and Safety	Partly Achieved	Four works of ₹ 52.34 crore at Lady Goshen Hospital and Wenlock Hospital were taken up and all are completed as of June 2024. A project of ₹ 4.75 crore was taken up for Skill Development Centre. Civil Work is completed. Training to commence shortly.
77	Mangaluru	Park and Public Space	Make use of underutilized rivers, beaches, forests and hills for a) Public Place Making, b) Water and Energy Resource, c) Transport Recreation and Tourism, d) Education and Ecological Protection	Unachieved	Community Level Facilities along with international swimming pool – Completed work - ₹ 22.53 Cr. Construction of B.R.Ambedkar Bhavan is taken up by KHB for Rs 10.46 Cr.
78	Mangaluru	Basic Amenities	Move towards zero-waste economy	Unachieved	100 per cent water supply coverage along with residential meter; water quality monitoring and SCADA Project of ₹ 10 Crore was deleted in 13th BM . Further, ₹ 114 Crore was transferred to KUIDFC to implement 24*7 water scheme which was under implementation. A Work of 24*7 water supply is taken by MCC for ₹ 35 Cr.
79	Mangaluru	Affordable Housing including Slum Development	Focus Community and Place-making on making quality affordable housing and nodal civic space	Partly Achieved	A Project of EWS housing is taken by MCC for ₹ 6.24 Cr.
80	Mangaluru	Basic Amenities	100% compliance of SWM Rules 2000	Unachieved	Projects were deleted in 07th BM, since MCC outsourced SWM. 2 Projects of UGD, ₹ 95.01 crore were deleted in 19th HPSC to divert the fund. 04 UGD Projects of ₹ 40.12 Crore were taken up and ongoing, ineffectiveness of the same is commented in the audit report. Restoration of the collapsed portion of the existing stone revetment of Nethravathi river bank and SSM jack well No.2 on the upstream side of Thumbbe vented dam, Mangaluru is taken for ₹ 10.50 crore, which was not aligned to the Goal. Six Works regarding UGD and sewerage system are taken by KUIDFC and MCC for ₹ 336.42 cr. Non-linking of STP and sewerage system is commented in the audit report.
81	Mangaluru	ICT enabled Smart Governance	Establish digital and physical networks in polycentric approach to Governance, IT, Place-making, Healthcare, Transportation and Integrated Energy Model	Unachieved	ICCC Phase-3 worth ₹ 23.69 crore was deleted in 12th BM. Patrolling vehicle project, ₹ 36 lakh was dropped in 07th BM. ₹ 12.2 crore was incurred towards KMDS Data Centre, ₹ 01 crore was incurred towards Establishing Karnataka Urban Observatory and Centre of excellence at Bengaluru. ₹ 72.60 Crore is incurred towards establishments of ICCC in six works. None of the work reached go live till date.
82	Mangaluru	Economy and Employment	Strengthen connection with Lakshadweep Islands both for trade and tourism	Unachieved	No projects were taken by SPV to promote connection with Lakshadweep
83	Mangaluru	Economy and Employment	Make Mangaluru a hub for gastronomy and fresh produce(coffee, fish, cashew nuts, fruits, vegetables)	Unachieved	No projects taken by SPV in this regard. Redevelopment of vacant premises of Old DC office into hotel, retail shops and speciality restaurant-worth ₹ 10 crore - dropped in 15th BM. Retrofitting of tile factories into hotel- ₹ 67.24 Cr - dropped in 12th BM, Redevelopment of Brick Factory into commercial Space - Dropped in 19th HPSC

84	Mangaluru	Economy and Employment	Revive link with port-trading history and fisheries	Unachieved	Redevelopment of Fisheries Harbour along with Fish Market and ancillary facilities - ₹ 88.46 Crore and Retrofit of Old Port - ₹ 88.45 Crore - dropped in 07 th BM, Development of Central Market is taken on PPP mode for ₹ 114.03 Crore and for SCM funding Rs 5.06 Crore, However, minimal progress is made.
85	Mangaluru	Economy and Employment	Strengthen role as Regional Entrepreneurial Hub, creating employment and entrepreneurial opportunities	Unachieved	Construction of DC office complex was taken by KHB for ₹ 38.84 Crore which was not aligned to the Goal.
86	Mangaluru	Park and Public Space	Increase role as node for tourism, recreation, culture	Partly Achieved	Sri Venkatrama Temple Project Dropped in 07 th BM., 10 Projects of ₹76.22 crore regarding Kadri Park, Mangala Stadium, Indoor Stadium near Urva Market, Guzzar Kerre, Kavoor Lake, Clock Tower, Area Development at Tannir Bhavi and Sultan Bathery ongoing.
87	Mangaluru	Park and Public Space	Re-activate riverfront for commercial and civic exchange	Unachieved	Five works regarding Waterfront Development - ₹ 59.41 crore are awarded, however no physical progress is made. Upgrading of water Jetty - ₹ 11.71 crore - Work taken Up. Open Air Theatre and Water Sports Park at Nayar Kudru- ₹ 49.65 crore was awarded. However no physical progress is made.
88	Shivamogga	Affordable Housing including Slum Development	Create Affordable Housing for EWS/LIG Sections	Unachieved	No projects taken for Housing Stock.
89	Shivamogga	Affordable Housing including Slum Development	Provision of better living standards for slum dwellers through resettlement or redevelopment of the slum pockets	Unachieved	No projects taken for Housing Stock.
90	Shivamogga	Basic Amenities	Optimize the water usage through smart metering	Unachieved	Canal Redevelopment Work has been taken up for ₹ 10.59 crore. Water Supply work of six crore has been taken by KUWSDB.
91	Shivamogga	Basic Amenities	Ensure 100% segregation and recycling of solid waste in sustainable manner.	Not Known	One project of UGD improvement is taken by SPV for ₹ 3.57 crore. SWD and UGP projects of ₹ 74.53 crore were taken up by SCC and KUWSDB. However, in absence of adequate information in respect of segregation of solid waste, the assessment of the Goal achievement could not be made.
92	Shivamogga	Basic Amenities	Propose new E-toilets at transport nodes and public areas	Partly Achieved	Public Toilet project of ₹ 1.6 crore was taken up by SCC.
93	Shivamogga	Transport Mobility and Accessibility	Promote Eco-mobility with well-designed road sections which will facilitate uninterrupted pedestrian flow, dedicated bicycle tracks, efficient PT facilities	Partly Achieved	Smart Bus Shelter, and PBS for ₹ 1.28 crore were dropped in 07 th HPSC. Seven Road Projects of ₹ 480.46 crore were taken up by the SPV. One project of MLCP of ₹ 22.03 crore, has been taken. Five projects are taken for conservancies for parking for ₹20.71 crore. 09 Projects regarding UGLT for ₹ 40.68 crore and one project of ₹ 30 Lakh- patrolling bikes for Police were taken which were not aligned to the goal. One Project of PBS has been taken on PPP mode for ₹ 4.33 crore. 07 Projects regarding Road, Junction, and Circle Improvement for ₹ 79.9 Crore have been taken by SCC and NHAI. UG Cabling project have been taken by MESCOM for ₹ 71.2 Crore. Conservancies project was taken by SCC for ₹ 2 Crore.

94	Shivamogga	Transport Mobility and Accessibility	Create integrated public bus transport system with improved frequency, facilities, technology and reliable information and monitoring system through ICT interventions	Partly Achieved	Electrical Rickshaw, ₹ 1.9 crore was dropped in 22 nd HPSC. Integrated Bus Terminal ₹ 2.50 crore was dropped in 21 st BM. Railway Station Development was dropped in 07 th BM. 03 Projects of ₹ 17.06 crore for Bus Shelter, and improvement of Private Bus Terminal and Hole Bus Stop are undertaken by the SPV.
95	Shivamogga	Park and Public Space	Compact and dense mixed land use development along the strategic zonal nodes, creating public spaces, water plazas, information hubs and art installations thus creating unique urban landscape.	Partly Achieved	MLCP for Vinayaka Theatre, ₹ 10 crore was dropped. 11 Projects regarding development of Parks and Nehru Stadium are taken by the SPV for ₹ 55.88 Crore. Project of Shivappa Nayak Palace was taken for ₹ 11.68 crore. And 05 projects were taken for Freedom Park redevelopment and Heritage Park and street art for ₹ 23.37 crore. two projects regarding partition work in Netaji Subhash Complex and Hawkers Zone are taken up by the SPV for ₹12.73 crore. Development works of 11 parks for ₹ 4.46 crore have been taken by SCC.
96	Shivamogga	Ecology and Environment	Creating and also upgrading ample green and blue spaces at potential locations to enhance aesthetics and harbouring bio-diversity	Unachieved	Green House with Butterfly fly parks, ₹ 30.49 crore. Zen Garden and Rock Garden, Musical Fountain with Amphitheatre, Water Theme Park, City Aquarium, were dropped in 07 th HPSC.
97	Shivamogga	ICT enabled Smart Governance	Interactive information kiosks, public sanitation, communication platforms (visual hoardings) integrated into planning.	Partly Achieved	One project (modern police information/ tourism kiosks) was taken for the amount of ₹1.16 crore and it was completed
98	Shivamogga	ICT enabled Smart Governance	Integrate ICT solutions for better O&M of basic services. Smart water meters, pipe leakage sensors/ alert system for UGD network, efficient, centralized management and monitoring of SWM staff and activities, smart parking, LED street lighting, Integrated Traffic Management with surveillance system <i>etc.</i>	Partly Achieved	Conversion of normal streetlight to LED street light system awarded under PPP at cost ₹44.42 crore.
99	Shivamogga	ICT enabled Smart Governance	Create a unified platform for knowledge sharing facility across all the government departments in the city and organize various training and capacity building sessions at every 3 months interval. Performance based monitoring system of employees	Unachieved	No project was taken up by SPV
100	Shivamogga	ICT enabled Smart Governance	Monitoring the threats caused to the green, blue and brown resources through GIS mapping and real time monitoring	Unachieved	
101	Shivamogga	ICT enabled Smart Governance	Promote interconnectedness of physical infrastructures through ICT interventions for optimal utilization of resources and increased accountability	Unachieved	
102	Shivamogga	ICT enabled Smart Governance	Enhancement of SCMC taxes - property tax enhancement, commercial property development, user charges and betterment charges	Not Known	In the absence of adequate information in this regard, the achievement of the Goal could not be assessed.

103	Shivamogga	ICT enabled Smart Governance	Other sources - Advertisement revenues, parking fees, market facilities and savings through ICT based OandM of basic services	Not Known	In the absence of adequate information in this regard, the achievement of the Goal could not be assessed
104	Shivamogga	ICT enabled Smart Governance	Innovative fund Pooling - Shared selling, Rezoning and Land based sources	Not Known	In the absence of adequate information in this regard, the achievement of the Goal could not be assessed
105	Shivamogga	ICT enabled Smart Governance	ICT based system monitoring the mosquito menace in the city	Unachieved	No projects were taken up in this regard.
106	Shivamogga	Economy and Employment	Capitalizing on tourism, human resources, educational and training institution to create new businesses through PPP framework.	Unachieved	No projects were taken up in this regard.
107	Shivamogga	Economy and Employment	Riverfront Development with integration of various eco-tourism zones - heritage and cultural zone, recreational zone, city public open space, revival of underutilized public land for cultural revival activities, research incubation centres, naturopathy centres <i>etc.</i>	Unachieved	Audio Guide for proposed Heritage Walk amounting ₹ 1.32 crore was dropped in 19th HPSC. Development of Canal Side Public Recreational Area, ₹ 61 crore and South Bank of Tunga River improvement costing ₹ 110 crore were dropped in 7 th HPSC. Five Projects regarding Riverfront for ₹ 132.08 crore for northern bank Tungabhadra River have been taken up by SPV.
108	Shivamogga	Economy and Employment	Create partnerships between government, industry and universities to align skill availability with upcoming employment opportunities.	Unachieved	
109	Shivamogga	Economy and Employment	Research and Knowledge sharing platform for the existing indigenous economies <i>viz.</i> , agro-forestry, organic farming, horticulture, floriculture and MSE'S for smart productivity	Unachieved	Development of International Diversity Research Campus, and Promoting Floriculture, Organic Farming and related activities for ₹ 20.42 crore were dropped in 10 th HPSC. The same was taken by Horticulture department.
110	Shivamogga	Economy and Employment	Creating spaces for cultural connectivity, skill development and knowledge sharing.	Unachieved	No projects taken up by the SPV in this regard.
111	Shivamogga	Economy and Employment	Creating a unified platform for artisans to showcase the artifacts and also training centres for knowledge transfer.	Unachieved	No project taken up by the SPV in this regard.
112	Shivamogga	Energy	Gradual shift to renewable energy solutions - Solar power, waste to energy <i>etc.</i>	Unachieved	Roof Top Solar ₹ 1.87 crore dropped in 31 st HPSC. No projects in this regard, has been taken by SPV.
113	Shivamogga	Energy	100% coverage of smart energy meters in the properties.	Unachieved	Neither the SCP provided any allocation for the goal nor, any projects in this regard, has been taken by SPV.
114	Shivamogga	Energy	Encourage and promote green building technologies	Unachieved	Neither the SCP provided any allocation for the goal nor, any projects in this regard, has been taken by SPV.

115	Shivamogga	Energy	Ensure 24x7 green electricity through deficit coverage 20% by solar power generation	Unachieved	A project of Solar on Canal Top Tunga high level Canal has been taken on PPP mode, however no bidders have participated after multiple calls. A project of LED Street Lighting has been taken on PPP mode for ₹ 44.42 crore.
116	Shivamogga	Education and Health	Access to better affordable health facilities and efficient safety and security systems.	Partly Achieved	There was no specific allocation regarding the sector, in the SCP, However SPV have taken six Education projects of ₹ 13.36 crore and five Health projects of ₹ 10.17 crore. One project of ₹ 0.5 crore was taken by SCC for Gopishetty Koppa and Sharaathi nagar Cemetary, which were not aligned to the Goal.
117	Tumakuru	Affordable Housing including Slum Development	Urban regeneration through the redevelopment of inclusive affordable housing	Partly Achieved	Two projects are taken for ₹15.71 crore, i.e Housing with basic services in Maryamma Nagar, and Infrastructure correction. Two Projects of 1556 DUs and 1200 DUs are taken by KSDB for ₹ 138.55 crore under RAY scheme.
118	Tumakuru	Basic Amenities	Improve infrastructure and delivery of Public Utilities like water supply, sewerage and storm water drains	Partly achieved	15 projects, Storm Water Drains, Toilets, Rainwater Harvesting for ₹ 37.43 crore are taken by the SPV. ₹ 18 crore were transferred to KUSWDB for 24*7 water supply scheme. ₹ 14 Crore were transferred to KUSWDB for AMRUT scheme. A project of Piped Natural Gas supply has been taken on PPP mode for ₹ 116 crore by SPV. Water Supply 24*7 scheme (₹ 358.33 Cr) and 03 projects regarding UGD for ₹ 254.94 crore have been taken by KUWSDB. One project of ₹ 2.5 crore for UGD has been taken by TCC.
119	Tumakuru	Park and Public Space	Inclusive transformation and beatification of Public Spaces	Achieved	Construction of musical fountain interface with multimedia laser and video projection on aqua screen at Amanikere Lake at , ₹ 4.3 crore was dropped in 22 nd HPSC. 12 projects regarding development works in Lakefront Amanikere Lake have been taken up by the SPV.
120	Tumakuru	Park and Public Space	Support community wellbeing through enhanced opportunities for active living and community engagement	Partly achieved	37 Projects regarding development of parks, sports grounds, wall painting, were taken by the SPV for ₹ 126.84 crore. Glass House, Sports Complex, Samudaya Bhavan, and Parks for ₹ 16.55 crore were taken up by TUDA and TCC.
121	Tumakuru	Park and Public Space	Enhance the inclusiveness of the community for all ages and backgrounds by Promoting recreation and culture opportunities	Partly achieved	
122	Tumakuru	Park and Public Space	Foster a strong sense of place and identity through the development of the city centre as a high quality, compact built form with vibrant culture sector, and the conservation of resources	Unachieved	Three projects regarding City Library, including digital solutions have been taken up by the SPV for ₹ 31.88 crore which is ongoing.
123	Tumakuru	Transport Mobility and Accessibility	Maintain and improve existing transportation infrastructure	Unachieved	The construction of Integrated bus terminal is ongoing under SCM funds.
124	Tumakuru	Transport Mobility and Accessibility	Improve access to public transit routes through a robust series of linked multi-modal transportation networks	Partly achieved	Allocation for Junction Improvement (₹ 24 Crore), Footpath and Walkway (₹ 81 Crore), Bicycle Lanes (₹ 08 Crores) and Underground Electricity (₹ 196 Crore) was merged and reallocated to Development of Smart Roads and Ring Road. E-Rickshaw was dropped in Dec 2019 due to poor quality. Development of Bus Shelter, ₹ 3.7 crore was dropped in 22 nd HPSC. Development of Ring Road has been taken up for ₹ 111.46 crore, 22 Projects regarding Smart Road, Bus Shelter, Junction Improvements, Para Transit Hub, are taken by the SPV for ₹ 263.8 crore. 03 Projects are taken on PPP mode for ₹ 69.33 crore, i.e PBS (₹ 4.33 crore). MLCP (₹
125	Tumakuru	Transport Mobility and Accessibility	Enable a futuristic transportation system through the creation of complete streets - roads that are designed to safely accommodate cars, wheelchairs and transit users	Partly achieved	

					60 crore) and Bus Shelter (₹ 5 crore). For Improvement of Footpath, Road and Junction, 13 projects are taken by TCC, NHAI and PWD for ₹ 31.97 crore.
126	Tumakuru	Environment and Ecology	Ensuring the reduction of Pollution and Carbon Footprint	Not Known	In the absence of adequate information Audit could not assess the achievement against the Goal.
127	Tumakuru	Transport Mobility and Accessibility	Making the city easily Navigable and Legible by all groups of people	Partly achieved	No specific allocation in the SCP, however SPV has taken two projects in this regard for ₹ 1.57 crore.
128	Tumakuru	Environment and Ecology	Improving the microclimate of the city	achieved	Total no. of 27 projects
129	Tumakuru	Environment and Ecology	Ensure new development, redevelopment and intensification preserve; and contribute to quality green space	Partly achieved	One work for plantation, ₹ 0.85 crore was taken up by the SPV.
130	Tumakuru	Energy	Encourage increased investment in green infrastructure, including increased energy conservation investment for City facilities	Partly Achieved	Three Projects related to Solar Energy in Govt. PU College, street light and Amanikere tank were taken up by the SPV for ₹ 3.98 crore. Seven Projects regarding lighting infrastructure in dark spots and shifting of BESCOM lines, replacement of street lights were taken up by the SPV for ₹ 18.75 Crore. Three projects were taken on PPP mode for ₹ 180.98 crore. i.e Street Light LED (₹ 74.75 Crore), Roof Top Solar (₹8.23 Crore) and Floating Solar Plant at Bugudanahalli (₹ 98 Crore.) BESCOM undertook three Projects related to Energy, LTUG and Integrated Power Development for ₹ 153.8 crore.
131	Tumakuru	Environment and Ecology	Successful Management of Lakes through an Integrated Approach to Lake Basin Management that fully links land use, water use factors	Unachieved	Five MLD STP near Amanikere, ₹ 14.5 Crore was dropped in 08th BM due to local agitation. A project of Lake Bank Conservation erosion protection was taken for ₹ 25.37 crore by SPV in Amanikere Lake. However, the ineffectiveness is commented in the audit report, as the sewage is entering into the lake.
132	Tumakuru	Economy and Employment	Become the location of choice for a young, educated labour force	Unachieved	Six Projects related to vending zones and skill development centres were taken up by the SPV. However, the centre is not functional.
133	Tumakuru	Education and Health	Partner to develop strategic economic opportunities and research and development with the education sector including universities	Partly achieved	Multi-Speciality Hospital of ₹ 300 crore was dropped in 07 th HPSC. 10 Projects related to Health for ₹ 57.27 crore and 28 Projects related to Education for ₹ 38.79 crore were taken up by the SPV.
134	Tumakuru	ICT enabled Smart Governance	Ensure open, accountable and responsible governance	Partly achieved	Smart Energy Meter, ₹ 17 crore was dropped in the 19 th BM for want of funds. Smart Water Management for ₹ 35 crore was dropped due to lack of funds. For Street Light Controlling System of ₹ 151 Crore. SCM funding was dropped in 2 nd BM with a direction to execute them under PPP. Nine Projects taken up for Integrated Command and Control Centre, for ₹ 93.74 crore. and projects related to Drone Survey, IT hardware to TCC and PIS boards were taken up by the SPV.
135	Tumakuru	ICT enabled Smart Governance	Create innovative and supportive organisational practices	Partly Achieved	Smart Lounge Project was dropped in 22 nd HPSC with a direction to take up the same under PPP model. Only at one location at Amanikere Lake project was taken for ₹1.32 crore.

Source: Information furnished by Smart Cities

Appendix-2.2
List of projects not aligned with goals specified in SCPs
(Reference: Paragraph 2.2.1.2, Page 10)

Sl. No.	Project ID	City	Project	Awarded Cost (₹ in crore)
1	KAR-BEN-067	Bengaluru	LED Lighting for Vidhana Soudha, Vikas Soudha, MS Building and VV Towers	1.9
2	KAR-BEN-069	Bengaluru	Project Rashmi -Women's Space at Workplace	2
3	KAR-BEN-080	Bengaluru	Completion of Mini Auditorium, Additional work and Interior work for Department of Women and Child Welfare	4.98
4	KAR-BEN-081	Bengaluru	New Works for the Institutes of the Department of Women and Child Welfare	3.28
5	KAR-BEN-083	Bengaluru	Construction of Day Care Centre Creche at MS Building	0.53
6	KAR-BEN-088	Bengaluru	Implementation of Digital Classrooms and Computer Labs in BBMP Schools and PU Colleges	6.46
7	KAR-BEN-092	Bengaluru	Improvements and upgradation of Padarayanapura school in Chamarajpete	1.98
8	KAR-BEN-093	Bengaluru	Improvement and upgradation of Cleave Land school in Pulakeshinagara	3.58
9	KAR-BEN-096	Bengaluru	Implementation of smart digital classroom at BBMP Anganawadi Kendras	4.46
10	KAR-BEN-097	Bengaluru	Setting up Genomic lab at Kidwai campus	13
11	KAR-BEN-088	Bengaluru	Implementation of Digital classrooms and computer labs in BBMP schools and PU colleges	6.46
12	KAR-MAN-173	Mangaluru	Construction of RCC Retaining Wall and Jackwell at headworks near Thumbbe Vented Dam for Mangaluru City Water Supply	10.5
13	KAR-HUB-034	Hubballi-Dharwad	ICT Package-1 Integrated Command Control Centre and Smart Solid Waste Management	43.93
14	KAR-HUB-036	Hubballi-Dharwad	Electric Crematorium	2.59
15	KAR-HUB-049	Hubballi-Dharwad	Design, develop and support an augmented reality-based application to arrest Billboard revenue loss in HDMC	0.73
16	KAR-HUB-051	Hubballi-Dharwad	ICCC Building- Civil Interior	4.71
17	KAR-HUB-053	Hubballi-Dharwad	Smart Healthcare	3.05
18	KAR-HUB-058	Hubballi-Dharwad	ICCC Building - Services	3.19
19	KAR-HUB-067	Hubballi-Dharwad	Chittaguppi Hospital Upgradation	23.57
20	KAR-HUB-076	Hubballi-Dharwad	MSI - Centralized Data Centre at KMDS	12.2

Sl. No.	Project ID	City	Project	Awarded Cost (₹ in crore)
21	KAR-HUB-087	Hubballi-Dharwad	Design, Supply, installation, erection, testing and commissioning of digital display board including operation and maintenance for 5 years for Hubballi-Dharwad smart city	4.6
22	KAR-HUB-105	Hubballi-Dharwad	Supply and Installation of CCTV poles	0.41
23	KAR-HUB-113	Hubballi-Dharwad	Supply and Installation of RFID readers	0.98
24	KAR-HUB-114	Hubballi-Dharwad	Supply and installation of GPS trackers	0.04
25	KAR-HUB-116	Hubballi-Dharwad	Design and Construction of entrance gate at KIMS	0.31
26	KAR-HUB-117	Hubballi-Dharwad	Procurement of Solar Butterfly grid	0.05
27	KAR-BEL-026	Belagavi	Construction of 30 bed Maternity Hospital at Vantamuri, Up-gradation of Primary Health Centres	2.39
28	KAR-BEL-075	Belagavi	Trauma Centre at Dharamnath Circle	1.38
29	KAR-BEL-085	Belagavi	Mohalla Clinics	1.84
30	KAR-BEL-086	Belagavi	Smart Classroom	3.32
31	KAR-BEL-123	Belagavi	Smart Classroom Phase II	1.35
32	KAR-BEL-201	Belagavi	Trauma Centre Part -B	1.15
33	KAR-BEL-230	Belagavi	Development of Anganawadi at Belagavi.Part-A	2.25
34	KAR-BEL-236	Belagavi	Providing basic facility and upgrading infrastructure to the newly developed Smart Schools in Belagavi City.	3.83
35	KAR-BEL-237	Belagavi	Up-gradation of Govt Library into Hi-tech Digital Library Phase-I	1.22
36	KAR-BEL-258	Belagavi	Smart Classroom Phase-IV	4.01
37	KAR-BEL-265	Belagavi	Improvement of BIMS hospital	1.32
38	KAR-BEL-271	Belagavi	Development of Anganwadi Part B	0.74
39	KAR-BEL-272	Belagavi	Kids zone at Ravindra Koushik e- library in Belagavi City	2.2
40	KAR-SHI-155	Shivamogga	Procurement of Patrolling Bikes to Police for emergency Response in Shivamogga	0.3
Total				186.79

Source: Information furnished by Smart Cities

Appendix-3.1
Statement showing details of implementation of 26 PPP projects
(Reference: Paragraph 3.2, Page 17)

(₹ in crore)

BSCCL		
1	Public Bicycle Sharing Services	4.90
2	Energy Efficiency-LED Street Lighting	63.91
3	Multi-Level Car Parking at First Rly gate opposite Kalamandir	8.00
4	Multi Utility Facility Centres at Mahantesh Nagar	29.00
5	Multi-Level Car Parking at Bapat Galli	7.00
6	Multi Utility Facility Centres at Dharmanath Circle	98.25
Total (A)		211.06
BenSCL		
NIL		
DSCL		
7	Development, operating and maintenance of Smart Bus Q Shelters at 52 locations in Davanagere city on PPP mode at Davanagere phase 1	3.53
8	Selection of Developer to Design, Finance, Manufacture, Supply, Install, Test, Commission, Operate and Maintain for Roof top Solar PV systems for 25 years on Tarriff basis on selected Eight Government Buildings.	2.21
9	Public Bicycle Sharing System	9.99
10	LED street lights	23.64
11	Development, operating and maintenance of Smart Bus Q Shelters at 52 locations in Davanagere city on PPP mode at Davanagere phase 2	4.50
Total (B)		43.87
HDSCL		
12	Smart Parking Tower (Multi Level Car Parking) SCM Funded Rs 10Cr	50
Total (c)		50
MSCL		
13	Installation of Rooftop Solar on Government Buildings in ABD area - Phase 1	7.08
14	Development of MLCP with retail space near Hampanakatta Junction	79.05
15	Conversion of Street Lights to LED	62.63
16	Redevelopment of Central Market along with Fish Market	114.03
Total (D)		262.79
SSCL		
17	Conversion of normal street light to LED street light system	31.69
18	Public Bike Sharing(3.19 crore SCM+1.24 crore PPP)	1.24
19	Solar on Canal top (Tunga high level canal)	140.1
Total (E)		173.03

TSCCL		
20	Piped Natural Gas Supply	100.00
21	Street-lighting control system	74.75
22	Public Bicycle Sharing	4.32
23	Development of Smart Bus Shelter (Bus Q Shelter)	5.00
24	Roof Top Solar Panels - Govt. Buildings and Industries	8.23
25	Multi utility Mall with Multi level car parking	60.00
26	Implementation and Maintenance of Floating Solar plant at Bugudanhalli water tank/reservoir in Tumakuru	98.00
Total (F)		350.30
Grand Total (A+B+C+D+E+F)		1,091.05

Source: Information furnished by Smart Cities

GLOSSARY OF ABBREVIATIONS			
ABD	Area Based Development	KMDS	Karnataka Municipal Data Society
AMRUT	Atal Mission for Rejuvenation and Urban Transformation	KPWD	Karnataka Public Works Department
ANPR	Automatic Number Plate Recognition	KTPP	Karnataka Transparency in Public Procurement
AoA	Articles of Association	KUIDFC	Karnataka Urban Infrastructure Development and Finance Corporation
AVLS	Automated Vehicle Locator System	KUWSDB	Karnataka Urban Water Supply and Drainage Board
BBMP	Bruhat Bengaluru Mahanagara Palike	KUWSMP	Karnataka Urban Water Supply Modernization Project
BCC	Belagavi City Corporation	LoA	Letter of Intent / Acceptance
BenSCL	Bengaluru Smart City Limited	LPC	License Plate Capture
BOQ	Bill of Quantity	LSI	Local System Integrator
BSCL	Belagavi Smart City Limited	MCC	Mangalore City Corporation
BSWML	Bengaluru Solid Waste Management Limited	MESCOM	Mangalore Electricity Supply Company Ltd
CCCC	Centralized Command and Control Centre	MoA	Memorandum of Association
CEO	Chief Executive Officer	MoHUA	Ministry of Housing and Urban Affairs
CKC	CISCO Kinetic for Cities	MSCL	Mangaluru Smart City Limited
CPHEEO	Central Public Health and Environmental Engineering Organisation	MSI	Master System Integrator
CSS	Centrally Sponsored Scheme / Centrally Sponsored Schemes	MUFC	Multi Utility Facility Centres
CWTM	Clear Water Transmission Main	NIIF	National Investment and Infrastructure Fund
DC DR	Data Centre (DC), Disaster Recovery (DR)	NMV	Non-Motorised Vehicles
DPR	Detailed Project Reports	OEM	Original Equipment Manufacturer
EOL	End of Life	PBS	Public Bicycle Sharing
EOS	End of Support	PMC	Project Management Consultant
GFP	General Financial Rules	PQ/TQ	Preliminary Qualification (PQ), Technical Qualification (TQ)
GIS	Geographic Information System	RUB	Road Under Bridge
GMIS	Geo-spatial Management Information System	SBM	Swachh Bharat Mission
HDBRTS	Hubballi-Dharwad Bus Rapid Transport System	SCM	Smart City Mission

HDMC	Hubballi-Dharwad Municipal Corporation		SCP	Smart City Proposal
HDSCL	Hubballi-Dharwad Smart City Limited		SLNA	State Level Nodal Agency
HPSC	High Powered Steering Committee		SNA	State Nodal Agency / Single Nodal Agency
HRIDAY	National Heritage City Development and Augmentation Yojana		SPV	Special Purpose Vehicle
ICCC	Integrated Command and Control Centre		SSCL	Shivamogga Smart City Limited
ICOP	Integrated City Operation Platform		SWM	Solid Waste Management
ICT	Information Communication Technology		TC	Technical Committee
IOD	The Institute of Directors		TSCL	Tumakuru Smart City Limited
IRC	Indian Road Congress		UDD	Urban Development Department
ITMS	Intelligent Transport Management System		UGD	Underground Drainage
ITS	Intelligent Transport System		ULB	Urban Local Bodies