Cochin Smart Mission Limited

PMC to Implement
Area Based Development

Monthly Progress Report

Kochi Smart City

March 2019

Monthly Progress Report

1565/MPR- 13(13/30)/March 2019/R0

Project Management Consultant (PMC)
to implement Area Based Development

Smart City Kochi

Cochin Smart Mission Limited, CSML

Cochin Smart Mission Limited, 10th Floor, Revenue Tower, KSHB, Opposite Ernakulam Boat Jetty, Ernakulam

Revision	*Date*	*Prepared by*	*Checked By*	*Approved by*
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EXECUTIVE SUMMARY

The smart city proposal of Kochi submitted for Smart Cities Challenges aims at integrating the Fort Kochi & Mattancherry area with Central City Area through Water Metro. Thematic areas for interventions under smart cities mission in Kochi are

- Seamless Mobility
- Reconstitution of Urban Form
- World Class Urban Services & Inclusive Development
- Revival of Identity and Culture

The Smart City proposal of Kochi has adopted retrofitting as the strategy for development under the Mission. The vision for Kochi is to transform Kochi, into a sustainable, inclusive and economically vibrant city of opportunities with efficient urban services, traditional hospitality and smart governance.

a) Area Based Development (ABD) projects

There are 71 ABD area projects under 18 modules worth a total cost of Rs. 1361.01 Crores. Area Based Development (ABD) as part of Smart City development consists of parts of five wards west Kochi (1,2,3,4 and 5) and parts of three wards of mainland of KMC (62,66 & 67), with a total area of 1024.16 acres. The overall status of ABD projects is as follows:

(Amount Rs. in crore)

Source of Fund	No of Projects	Project Expenditure	Sum of Project Estimated Cost (If any) or SCP cost	Project Expenditure
SCM				
Project Under Implementation	2	2.47	14.7	2.47
Project Awarded	4	0.00	112.11	
Tender Issued	19	0.00	452.59	
DPR Under Preparation	22	0.00	245.22	
DPR to be prepared	15	0.00	185.76	
Tender Cancelled	1	0.00	4.9	
DPR Prepared	4	0.00	9.15	
SCM Total	**67**	**2.47**	**1024.43**	**2.47**
PPP				
Project Completed	1	25.00	25	25
Project Under Implementation	1	1.50	10	1.5
Tender Issued	1	0.00	301.58	
DPR Prepared	1	0.00		**26.5**
PPP Total	**4**	**26.50**	**336.58**	
Other Sources				
Project Completed	2	3.92	4.78	3.92
Project Under Implementation	4	2.78	55.02	2.78
Tender Issued	2	0.00	96	
DPR to be prepared	11	0.00	774	

Source of Fund	No of Projects	Project Expenditure	Sum of Project Estimated Cost (If any) or SCP cost	Project Expenditure
Other Sources Total	**19**	**6.70**	**929.8**	**6.70**
Grand Total	**90**	**35.67**	**2290.81**	**35.67**

Note: * As data received from Tourism dept. and KWA

Total Project Cost

Rs 2,290.81 cr

Central Assistance Approved

Rs. 500 cr

Central Assistance Released

Rs. 196 cr

State Grant Released

Rs 200 cr

Revised Project Cost- SPV

Projects	67
Cost	Rs. 1362.01 cr

Tender Issued (Ongoing)- SPV

Projects	20
Cost	Rs. 754.18 cr

Work Order issued/Project yet to start - SPV

Projects	4
Cost	Rs. 112.1 cr

Projects under implementation- SPV

Projects	3
Cost	Rs. 24.7 Cr

Work Completed- SPV

Projects(PPP)	1
Cost	R. 25 cr

1 STATUS AS ON 31ST MARCH 2019

In the month of March, the Smart city team was primarily working on Bid evaluation for Road Projects and Smart Led Lights, preparation and submission of RFP for the Smart Pole, Tourism Projects, Hospital Projects, Calvathy School, Public Toilets, Sewerage and MLCP at Kacheripady. Tender for 11 projects have been issued. DPR for Intelligent Surveillance system along with revised DPR of Sewerage has been submitted. Feasibility Report for upgradation of Anganwadi along with several others projects are in line of progress.

The status of projects under Smart city is given below;

Table 1-1: Status of Projects in progress

Sl No	Project Name	Cost in INR Cr.	Status	Date of Submission of Feasibility Report to CSML	Date of Submission of DPR to CSML
1.	Smart Water solutions Smart Metering and smart valves for approx. 1000 Connections for selected area to link with IC4	4.00	DPR preparation under progress.		
2.	Rainwater structures in 13 Govt bldgs & Institutions	0.75	Feasibility Report submitted	21-03-2018	
3.	Improvements to sewer collection system for West Kochi	154.50	Project Tendered	07-02-2018/ 11-09-2018	20-02-2019/ 28-02-2019/ 05-03-2019
4.	Improvements to sewer collection system for Mainland	57	Renamed - As Elamkulam STP INR 13 Cr. taken up by KWA. Scope for mainland to be confirmed by KWA		
5.	Development of Other Roads in Ernakulam ABD Area	36.30	Project Re-tender Bid evaulation under progress	10-08-2018	30-08-2018
6.	Development of Other Roads in West Kochi under Smart City Mission	60.20	Project Re-tender	10-08-2018	30-08-2018
7.	Development of Smart Roads in Ernakulam under Smart City Mission	52.40	Project Re-tender Bid evaulation under progress	10-08-2018	30-08-2018
8.	Development of Smart Roads Roads in West Kochi under Smart City Mission	24.50	Project Re-tender Bid evaulation under progress	10-08-2018	30-08-2018
9.	Development of Smart Roads electrical infrastructure in Ernakulam & West Kochi under Smart City Mission	63.49	Project Re-tender	10-08-2018	30-08-2018
10.	MLCP and at Kacheripady	6.16	Project Tendered	06-02-2018/ 07-10-2018	07-02-2019
11.	Commercial complex at Kacheripady	25.85			
12.	MLCP at GCDA	10.00	DPR under preparation		
13.	MLCP at KTDA	7.00	DPR under preparation		
14.	Smart Parking Solutions in ABD area	1.00	DPR under preparation		
15.	Intelligent Traffic Management Systems (ITMS)	26.9	LOA issued. Agreement to be signed	02-02-2018	06-02-2018

Sl No	Project Name	Cost in INR Cr.	Status	Date of Submission of Feasibility Report to CSML	Date of Submission of DPR to CSML
16.	Signages	2.4	DPR Submitted	15-02-2019	18-02-2019
17.	Escalator FOBs	2.4	Feasibility report under preparation		
18.	Implementation of Smart LED lighting in ABD area	26.9	Tender has been floated.	12-02-2018	17-02-2018
19.	Smart Poles (PPP)	301.88	Project Tendered	08-02-2018/ 01-03-2018	15-11-2018/ 08-02-2019
20.	Solar panels in Govt. buildings	5.70	Contract awarded. Project under implementation.	02-02-2018	07-02-2018
21.	Solar panels in public places (Canals, parks etc)	10.78	Concept stage		
22.	Smart & Improved Secondary Storage & Transportation of Solid Waste using Portable Compactor Technology	4.4	Tender stage. Technical Bid opened & under evaluation.	14-02-2018	20-03-2019
23.	Smart & Improved Battery-Operated Tricycles for Primary Waste Collection at West Kochi & Ernakulam in ABD Area	1	DPR submitted	26-02-2018	28-02-2018
24.	Smart & Improved Mechanised Street Sweeping at West Kochi & Ernakulum in ABD area	3.2	Tender stage. Technical Bid opened & under evaluation.	20-03-2018	20-03-2018
25.	Distribution of Household Bins & Street Litter Bins for improvement of waste segregation in ABD Area	0.97	Tender stage. Technical Bid opened & under evaluation.	07-02-2018	28-02-2018
26.	5 Public toilets in West Kochi & Ernakulam	1.80	Tender issued	27-09-2018	13-02-2019
27.	Development of open spaces and playgrounds	0.30	Feasibility report under preparation		
28.	Marine Drive Walkway Phase I	7.10	Tender issued	03-11-2018	11-11-2018/ 12-02-2019
29.	Marine Drive walkway phase II	6.90	DPR under preparation	03-11-2018	
30.	Mangalavanam Eco-restoration project	1	Stakeholder to respond to concept. FR under preparation		
31.	Restoration of Mullassery canal - including linking of standardized area drains	1	Feasibility report under preparation		
32.	Restoration of Market canal - Walkways and Market square around the canal pond, Solar paneled roofs, LED Lighting, Light posts	5	Feasibility report under preparation		
33.	Restoration of Kalvathy canal and area drain improvement - Open spaces, Street furniture and landscaping features	20	Feasibility report under preparation		
34.	Restoration of Rameswaram-Kalvathy canal - Upto Cochin college – Walkways and Linking the Canal Bank Road	15	Feasibility report under preparation		
35.	Electric Feeders	5.74	Feasibility report under preparation		
36.	Bicycle Sharing (PPP)	10	Contract awarded. Work under implementation		02-03-2018

Sl No	Project Name	Cost in INR Cr.	Status	Date of Submission of Feasibility Report to CSML	Date of Submission of DPR to CSML
37.	Elevated Walkways and Travelators	5.74	Feasibility report under preparation		
38.	Walkway from Ekm Jetty to Metro station	9	Word awarded Under implementaion		
39.	Integrated Command, Control and Communication Centre (IC4)	64.5	LoA has been issued	15-05-2018	20-05-2018
40.	Extend 'Smart Wi-Fi bus shelters' with LED bulbs, FM radio, USB drive slots, magazine/newspaper kiosks, mobile charger units	0.60	Scope being finalsied with stakeholders		
41.	Standard Wifi Enabled Bus Stands With Commercial space development	3	Scope being finalsied with stakeholders		
42.	Integrated redevelopment of Slum housing	95.6	KMC to confirm list of beneficiares and slums to be taken up		
43.	Upgradation of infrastructure in Housing through Credit linked schemes	24.35	KMC to confirm list of beneficiares. KMC to share gap funding required and final list of beneficiaries.		
44.	Construction & upgradation of 755 DUs in Thuruthy, Kalvathy & Konchery colony -SCM	4.40	Bridge & social infrastructure project proposed under SCM. Feasibility report submitted. In principle agreed in 1 December 18 meeting with DUA. Post approval of FR, DPR to be prepared	27-09-2018	
45.	Broadway Street Pedestrianization	10	Feasibility report submitted DPR under preparation. KMC to share list of hawkers	15-10-2018	
46.	Ernakulam market Redevelopment	100	Feasibility report submitted DPR under preparation. KMC to share list of vendors & hawkers and also identify land for transit shops.	15-09-2018	
47.	Mattancherry spice market Redevelopment		Scope under discussion with stakeholders. Soft improvements already proposed along with road project		
48.	Standard Hawker zones in Fort Kochi + Standardize structures for "Petti Kada"	5.60	Petti kada draft design ready KMC to share final list of licensed hawkers. The Hawker Zones Project is included under Fort Kochi Beach improvements project.		
49.	Scale up of GH into a Super-Specialty care centres (Cancer Ward)	17	LoA Issued to INKEL	10-07-2018	

Sl No	Project Name	Cost in INR Cr.	Status	Date of Submission of Feasibility Report to CSML	Date of Submission of DPR to CSML
50.	Integrated development of 2 Hospitals in West Kochi - Excellence in Secondary care: Fort Kochi Taluk hospital	5.5	Tender issued	28-02-2018	17-03-2018/ 30-10-2018
51.	Integrated development of 2 Hospitals in West Kochi - Excellence in Secondary care: Mattancherry W&C hospital	5.25	Tender issued	28-02-2018	28-03-2018 13-11-2018
52.	E-health solutions for selected hospitals	3.71	LoA issued. Contract Agreement to be signed	15-09-2018	20-12-2018/ 07-02-2019
53.	CIVIL - Anganwadis and public schools Upgradation of facilities - Basic services, Libraries, Eco-toilets, Sports kits , Biogas plant, Urban farming e	1	Feasibiltiy report under preparation		
54.	CIVIL 1 - Kalvthy School - Higher Educational institutions Upgradation of facilities - Basic services, Libraries, Eco-toilets, Sports kits , Biogas plant, Urban farming etc	4	DPR, revised DWGS, BOQ submitted. Under review. Tender to be issued by 8th March, 2019	28-02-2018	15-07-2018/ 03-12-2018
55.	Smart Classroom for 100 classrooms PAN city	4.9	Tendered to be cancelled by the authority	05-02-2018	09-02-2018
56.	Safety & Security CCTV surveillance	5.35	Feasibility report Submitted. DPR under preparation and will be submitted by 10th March	21-01-2019	21-03-2019
57.	Water Ambulance	0.30	Scope being discussed with stakeholders		
58.	Upgradation of Community Centre at Mattancherry with indoor sports facilities	1	Community centre to be identified by KMC		
59.	Open Air Theatre at Fort Kochi Zonal office	1.30	DPR Submitted. Tender will be floated by 8th March, 2019	14-Aug-18 Rev- 10-Oct-18	06-02-2019
60.	Development of Dutch palace node parking area and palace street entry	1.10	DPR Submitted. Tender will be floated by 8th March, 2019	20-12-2018	20-02-2019
61.	Fort Kochi Beach Front improvements - Part A Vasco Square	1.58	DPR Submitted. Tender will be floated by 8th March, 2019	20-12-2018	28-02-2019
62.	Museums of Freedom Struggle	1.20	Feasibility report Submitted.	20-12-2018	
63.	Museum of Spices	1.50		20-12-2018	
64.	Development of Ethnic Food Hub & Dutch Quay Upgradation	1.00		20-12-2018	28-02-2019
65.	Fort Kochi Beach Front improvements - Part B Walkway & Beach	8.42		20-12-2018	
66.	Walkway Mattancherry	11.00		20-12-2018	
67.	Multimedia based Light & Sound show	5.00	Feasibility report under preparation		

Sl No	Project Name	Cost in INR Cr.	Status	Date of Submission of Feasibility Report to CSML	Date of Submission of DPR to CSML
68.	Art Installations in Kochi / Cultural Corridor	0.50			
69.	Developing a Water & Adventure sports centre at Marine drive	1.00	Feasibility report submitted	08-11-2018	
70.	Spatial Mapping of assets and SCADA systems for Information gathering with monitoring centres	0.40	Detailede Project Report submittied on 21st December, 2018		21-12-2018

1.1 STAKEHOLDER MEETINGS CONDUCTED

Stakeholder meetings conducted in the month of March are as follows:

Table 1-2: Summary on Stakeholder Consultations by PMC team during the month of March 2019

S. No	Date of Consultation	Module Content	Stakeholder Consultation	Concerned Person in the Department	Agenda Discussion by PMC Team	Remarks
1.	5.03.19	E-Health	General Hospital	Dr. Anitha, Superintendent	Implementation of E-Health Solution	CSML has given Letter of Award (LOA) to Keltron for the implementation of eHealth solution at General Hospital Ernakulum. With regards to the LOA, CSML, General hospital Ernakulam and Keltron met to discuss about various aspects of project implementation.
2.	6.03.2019	Safety and Security	Police Department	Vijay S. Sakhare, IPS IG, Police & Dr.J.Himendranath IPS, DCP (Law & Traffic)	Discussion about CCTV camera locations and costing	Discussions were held on the identified locations in joint survey, integration of the cameras and the design of cloud base solution along with project cost.
3.	06.03.2019	Tourism	Sub-Collector	Snehil Kumar Singh	To discuss on the proposed Fort Kochi beach front upgradation project – Part 1 (Vasco Square), Ethnic Food Hub and Redevelopment and Upgradation of existing toilets.	Detailed discussion were held on Tourism projects. Further The Sub-Collector suggested to take following four projects under SCM. • Development of Santa Cruz Ground • Parking in front of St. Francis Church • South Beach Area • Veli Ground Action Points: • The Consultants will share the RFP documents of Ethnic Food Truck Project to the CHZS. • Santa Cruz ground and Parking in front of St. Francis Church

S. No	Date of Consultation	Module Content	Stakeholder Consultation	Concerned Person in the Department	Agenda Discussion by PMC Team	Remarks
						to be taken up by the smart city consultants. • The other two projects shall be taken up on intimation and approval from the Sub Collector and CSML MD.
4.	15.03.2019	E-Health	Tele-Medicine Hall, General Hospital	Dr. Anitha, Superintendent, Doctors from Gnereal Hospital, and Officials from E-Health, PMU and Keltron	Coordination Meeting with GH, eHealth, KELTRON and CSML Team for implementation of eHealth at GH, Ernakulam	Detailed presentation were made by e- Health team on implementation of the e-health project that is Software and the Hardware along with e-health module of the solution along with work flow. Also live demo were given on OP module of e-Health module.
5.	19-03-2019	Tourism	Cochin Port Trust Administration Office, Willingdon Island	Deputy Conservator	To discuss a draft concept with the officer To have a detailed discussion on the departments requirement from the project	A presentation on the briefing the existing situation and concept proposal were made.The Deputy Conservator has given several suggestions for the project. It was decided that a detail proposal will be prepare and will be presented to Cochin Port Trust.
6.	20-03-2019	Energy Supply	KSEB Office Thoppumpady	Executive Engineer	Discuss the proposed electrical utilities in West Kochi Smart Roads	Made site visit along with KSEB officials and modified the proposal as per the requirement. Drawings need to be submitted for approval
7.	21-03-2019	Energy Supply	KSEB office College Road	Assistant Engineer	Discussed the Electrical Utilities in roads coming under College Road Office	Need to change the Drawings according to their requirement and submit final drawing for approval
8.	22-03-2019	Energy Supply	KSEB central office	Executive Engineer	Discussed the Electrical Utilities in roads coming under Central Section Office	Final Drawings need to be submitted for approval
9.	19-03-2019	UGSS	Kerala state pollution control board	Chief environmental Engineer & Environmental Engineer.	Consent to establish and operate	Discussed the project and handed over the DPR copies to PCB for suggestions.
10.	21-03-19	UGSS	Cochin heritage zone management authority	Ms. Rajeshwari	Ownership details of proposed STP location.	Obtained the ownership details of land.
11.	22-03-19	Solid waste	KMRL	AGM (Amrut & Smart Cities)	Discussion regarding SWM	Finalized the technical bid evaluation MOM for

S. No	Date of Consultation	Module Content	Stakeholder Consultation	Concerned Person in the Department	Agenda Discussion by PMC Team	Remarks
		management.			works bid evaluation	portable compactor and sweeping machine
12	26-03-19	Main Road	Councillor ward 1	Shiny Mathew	Ownership details of narrow road near Fort Wall in KB Jacob road and Proposal for slum housing in Thuruthy.	Councillor noted down the points and assured to revert back.

1.2 SITE VISITS

In the month of March following site visits have been taken up by PMC:

Table 1-3 Summary of site visits conducted during the month of March 2019

Sl No	Date	Site Visited	Agenda for Site visit	Location	Notes from site visit
1.	01-03-2019	Ernakulam	Proposed Bridge Locations	Abraham Madamakkal Road	Visited the proposed bridge location at AM Road to supervise the soil investigation test at site.
2.	05-03-2019	Ernakulam	Site Visit to the Proposed Water Sports Location	Abdul Kalam Marg	To see the ongoing construction by CMFRI at the proposed location for water sports
3.	06-03-2019	West Kochi	Proposed Bridge Location and To obtain bridge Clearance	West Kochi-Canal Region	Visited the Proposed Bridge Locations at West Kochi also obtained the Bridge Clearance at the bridges across the canals
4.	14-03-2019	West Kochi	Soil Investigation test for proposed Bridge location at Thuruthy	Thuruthy	Visited the Proposed Location of the Bridges at Thuruthy to supervise the Soil Investigation Test
5.	14-03-2019	Ernakulam	Progress of Installation of Solar Panels	Court Complex Building	Visited Court Complex Building to see the progress of Installation of Solar Panels
6.	16-03-2019	Jose jn to South Railway Station Road	Proposed landscape drawing for Chnmaya road and Railway station road	Jos Junction	Proposed landscape drawing for Chinmaya road and Railway station road has been verified by GM Civil, and Comments given
7.	22-03-2019	West Kochi	Proposed Bridge Locations	Thuruthy - Near Jumah Masjid	Visited the proposed bridge location at Thuruthy to supervise the soil investigation test at site.
8.	27-03-2019	Jos Junction	Site measurement	Jos Junction	The measurement of the site were taken.
9.	27-03-19	Proposed PBS Phase-1 locations	Proposed PBS locations	Proposed PBS Locations 14nos	Site visit along with Assistant Executive Engineer KMC-Zonal office

Sl No	Date	Site Visited	Agenda for Site visit	Location	Notes from site visit
					Shown all West Kochi PBS locations to PBS Project Nodal officer from KMC.
10.	27-03-2019	Abraham Madamakkal Road Proposed Bridge Soil test supervision	Abraham Madamakkal Road Proposed Bridge Soil test supervision	Abraham Madamakkal Road Proposed Bridge Location	Site Visit has been carried out to check the sufficient depth of the pit is achieved or not.

Photographs for existing conditions of the sites visited.

Figure 1-1 Water Sports locations at Ernakulam

Figure 1-2 Proposed Bridge location at West Kochi

Figure 1-3 Existing site for Bridge at Thuruthy

Figure 1-4 existing condition of sites at Jos Junction

Figure 1-5 Installation of Solar Panels at Court Complex

Figure 1-6 Proposed Bridge Location

1.3 PROCUREMENT PLAN

Following projects have been tendered in the month of March, 2019

Table 1-4 List of Projects Tendered

Sl No	Name of the Project	Estimated Cost (INR Cr.)
1.	Sewerage System for West Kochi	143.30
2.	Intelligent Street Poles (PPP)	301.58
3.	Improvements to Marine Drive walkway Phase 1 (Open space corridor linking DH Ground to Mangalavanam)	7.10
4.	Open Air Theatre at Fort Kochi	1.10
5.	Public toilets	1.80
6.	Fort Kochi Beach Front improvements - Part A Vasco Square	1.58
7.	Upgradation of Dutch palace entry	1.10
8.	Parking projects - MLCP at Kacheripady	6.16
9.	Out Patient & Admin block, Fort Kochi taluk Hospital	4.65
10.	Out Patient & Admin block, Women & Child Hospital, Mattancherry	4.57
11.	Higher secondary block, Central Calvathy GHSS, Fort Kochi	4.60
	TOTAL	**477.54**

Project to be tendered by 30th June 2019.

Table 1-5 List of Projects to be tendered by June

Sl. No.	Name of Project	Estimated Cost (INR Cr.)
1.	Intelligent Crime Surveillance System	14.56
2.	Rejuvenation of Thuruthy, through Infrastructure improvement	5.15
3.	MLCP at GCDA	10.00
4.	Smart Parking Solution in ABD area	1.00
5.	Development of open spaces and playgrounds	9.60
6.	Upgradation of Anganwadis at West Kochi	3.00
7.	Fort Kochi Beach Improvement – Part-B	8.42
8.	Museum of Freedom Struggle	1.20
	Total	**52.93**

2 STATUS OF ABD PROJECTS

2.1 STATUS OF ABD PROJECTS

All costs provided are in INR lakhs in this section.

Module 1 Water supply

There were total of 14 projects identified under this module with serial number 1.1 to 1.14. Based on the meetings conducted with Kerala Water Authority in initial phase of the project it was suggested by the authority that KWA will implement projects 12 projects. Therefore, these projects are categorized and considered as convergence projects. In the Stakeholder's meeting, KWA has requested to take up Smart Meter project for selected area as pilot basis. Only two projects that is Rain Water Harvesting Structure and Smart Water Meter project are under scope of SPV implementation.

1.1 Karuvelipady Pump house – Pumping augmentation

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.1	Karuvelipady Pump house – Pumping augmentation	100		To be taken up by KWA only after the sump and pump house/pumping mains in Karuvelipady is completed under AMRUT scheme and TS committee constituted. The AMRUT work will be completed within 15 months

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.2 West Kochi - Extension of pipelines from Maradu to Island to be extended to West Kochi to supply 12 MLD

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.2	West Kochi - Extension of pipelines from Maradu to Island to be extended to West Kochi to supply 12 MLD	55	30	Taken up under state plan and the works are completed. Work Completed. Total Financial Progress: Rs 27.00 lakh

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list. The KWA has reported that the project has been completed.

1.3 West Kochi - Replacement of pipe lines from Perumanoor to Thevara and Thoppumpady bridge to Karuvelipady

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.3	West Kochi - Replacement of pipe lines from Perumanoor to Thevara and Thoppumpady bridge to Karuvelipady	1100	448	The reach from Thoppumpady bridge to Karuvekipady is taken up under state plan and the works are completed. Due to Road cutting issues, the reach from Perumanoor to Thevara has not been taken up by KWA. Work order issued for Rs 448.00 Work Completed. Total Financial Progress: Rs 365.00 lakh

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.4 West Kochi - Dedicated pumping main

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.4	West Kochi - Dedicated pumping main	350		Pumping main from Karuvelipadi pump house to Kovampadam OHT will be taken up under AMRUT and the works have been awarded during Feb 2018. The work will be completed within 15 months. Work under implementation.

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.5 West Kochi - Storage capacity augmentation in Karuvelipady sump by 1.5 million litres

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.5	West Kochi - Storage capacity augmentation in Karuvelipady sump by 1.5 million litres	800	288	Taken up under AMRUT. Work awarded on Feb 2018. 36% physical progress has been made. Financial Progress: 112.00 lakh

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.6 West Kochi - Rejuvenation of the Three OH Tanks in the region (Modibath, Fort Kochi and Koovapadam)

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.6	West Kochi - Rejuvenation of the Three OH Tanks in the region (Modibath, Fort Kochi and Koovapadam)	75		Will be included in 24 X 7 water supply proposal for which KWA is preparing document

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.7 West Kochi - Replacement of 20 kms of Distribution line with D.I. pipes including Road cutting charges

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.7	West Kochi - Replacement of 20 kms of Distribution line with D.I. pipes including Road cutting charges	3500		Will be included in 24 X 7 water supply proposal for which KWA is preparing document

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.8 West Kochi - Replacement of Household connections (last mile) for across 10,000 HSCs with Smart Metering and isolation valves

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.8	West Kochi - Replacement of Household connections (last mile) for across 10,000 HSCs with Smart Metering and isolation valves	2500		Will be included in 24 X 7 water supply proposal for which KWA is preparing document

This project has been classified as **convergence project** as the project in being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.9 West Kochi - Bulk Meters and Isolation valves with remote meter reading

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.9	West Kochi - Bulk Meters and Isolation valves with remote meter reading	100		Will be included in 24 X 7 water supply proposal for which KWA is preparing document

This project has been classified as **convergence project** as the project in being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.10 Mainland - Rider line for increased water supply

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.10	Mainland - Rider line for increased water supply	1000	223	KWA has been taken up this project. Work order issued for Rs 223 lakh. Pipelines have been supplied. Road cutting sanction yet to obtain.

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.11 Mainland - Overhead Storage Reservoir + 1 Million Litre Sump + pump near Ernakulam Ground

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.11	Mainland - Overhead Storage Reservoir + 1 Million Litre Sump + pump near Ernakulam Ground	300		Will be included in 24 X 7 water supply proposal for which KWA is preparing document

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.12 Replacement of connections (last mile) for across 10,000 HSCs (Commercial and Domestic) with Smart Metering and isolation valves- Mainland

S. No		REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.12	Mainland - Replacement of connections (last mile) for across 10,000 HSCs (Commercial and Domestic) with Smart Metering and isolation valves	Replacement of connections (last mile) for across HSCs (Commercial and Domestic) with Smart Metering and isolation valves for selected Area	2000	400	Project is being taking up on Pilot basis as Requested by KWA. Feasibility report is being prepared.

In the Stakeholders meeting held on 19th September 2018 with Chief Engineer, KWA, It is decided that the Smart Water Meter project for selected area will be taken up as on pilot basis. A detail presentation was made regarding the various modules and the technologies involved in Smart Water Management to KWA. The balance work of Smart Water Meter for other ABD area will be taken up after the implementation of Pilot project.

1.13 Mainland - Bulk Meters and Isolation valves with remote meter reading

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.13	Mainland - Bulk Meters and Isolation valves with remote meter reading	150		Will be included in 24 X 7 water supply proposal for which KWA is preparing document

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list.

1.14 General - Rainwater structures in ~5000 households

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
1.14	General - Rainwater structures in ~5000 households	Rainwater harvesting structures in 13 Govt. buildings	1125	75	**Renamed due to Scope change**. KMC and other stakeholders suggested that the project may be done for Govt buildings instead of households **DPR stage**

Scope - Rainwater harvesting structures in 13 Govt buildings

A project for providing Rain Water Harvesting (RWH) Structures in 5000 households was identified under Kochi Smart City Proposal. In view of the delay in identification of beneficiaries under AMRUT, KMC proposed to implement Rain Water Harvesting for Government Buildings only under Smart City Mission as individual Households had already been taken up under AMRUT scheme. Under Smart City 39 Government buildings / offices falling under ABD area were identified. Site visits were conducted and discussions with concerned stakeholders and local councillors to understand the ground conditions, water table, recharge and storage requirements etc have taken place. Based on the study 13 buildings were finalised for provision of RWH structures. Further details such as requirement of water for cleaning, storage requirement, locations for storage tanks / recharge tanks and pipe /gutter requirements have been finalized. Among 13 buildings, storage tanks are proposed in 3 buildings. For remaining buildings recharge pits shall be constructed.

There are two options to do water harvesting in the project area. Current practice of adopting roof storm water harvesting is recommended as per Government of Kerala rules and regulations. Second option is providing water harvesting structures/pits in open ground available within building area so that storm water is collected in it to improve ground water levels. But limitation of this option is water table is just 1 m below the ground level in project area. But after analysing the existing situation, area it has been suggested to implement in the areas where bore water is in use and where enough land is available to construct harvesting structure.

Accordingly, the water harvesting structures have been proposed for 13 government buildings out of which 3 sites building water storage tanks have been proposed and 9 buildings Recharge pits and one building, pie connection is only have been proposed.

These buildings are: General Hospital, Ernakulam, Govt Girls High school, Mattancherry, Mattancherry Hospital, Law college, Ernakulam (2 nos), PWD Guest House, Ernakulam Fire station (2 nos), Court Building (2 nos), Maharaja College (2 nos), Fort Kochi Hospital, Corporation zonal office, Mattancherry (2 nos), Mattancherry Fire station (2 nos), Government Veterinary Hospital, KSHB building, Police Quarters, Mattancherry (3 nos)

Renaming of project with respect to scope change is placed for approval.

PAN City Project- 24x7 Water Supply

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
	24 X 7 WATER SUPPLY	62100		Being taken up by KWA. Has been included in 24 X 7 water supply proposal for which KWA has submitted a concept paper. The funding is yet to be decided (ADB / KIIFB) Detailed Project Report under progress.

This project has been classified as **convergence project** as the project is being implemented by KWA. CSML/PMC will continue taking status from KWA regarding the progress made for the project as project is part of overall projects identified under SCP project list

Module 2 UGSS

There were total of 3 projects identified under this module with serial number 2.1 to 2.3. Based on the meetings conducted with Kerala Water Authority and Kochi Municipal Corporation 2 projects are under scope of SPV implementation. Further the project "Improvements to Elamkulam STP and collection system Mainland (JNNURM scheme)" has been segregated in two projects. The project "Improvement to Elamkulam STP" has been taken up by KWA.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
2.1	Decentralized Treatment and collection system for West Kochi under ADB (Mundamveli)	Sewerage System for West Kochi	2200	15450	The Sub Module 2.1 and 2.2 will be planned together as the small-bore sewer for on-site sanitation is part of sewer collection system. These two components will not be separated as two different works for design as well as execution. The project under the module would focus on ward nos. from 1 to 5 of Kochi Corporation **Tender has been floated**
2.2	Small bore sewer/ Vacuum system for onsite sanitation - Includes storage facility for treated water use for landscaping		11000		
2.3	Improvements to Elamkulam STP and	Improvements to sewer collection	7000	5700	The module 2.3 involves mainly sewer collection system at mainland (central Kochi) and Improvements to

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
	collection system Mainland (JNNURM scheme)	system for Mainland			Elamkulam STP. Under AMRUT fund, DPR is being finalised by KWA/KMC. From the discussion with KMC, it is noted that the improvements to Elamkulam STP as well as collection system in central Kochi has also been included. Hence, this work will not be carried out under Smart City. Concept stage (In consultation with stakeholders).
		Improvement to Elamkulam STP		1300	

Module 3 NMT Roads and Pedestrianized areas

There were total of 4 projects identified under this module with serial number 3.1 to 3.4

Three projects Relaying of roads, Standard Footpaths including signages and Restoration/ Rehabilitation of Storm water drains in the proposed area have been combined as these components are part of right of way of the road itself and for coordinated implementation need to be done together.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
3.1	Relaying of roads	Development of Other Roads in Ernakulam under Smart City Mission	4200	3630	**The projects have been re-tendered. Technical Bid evaluation under progress**
3.2	Standard Footpaths including signages	Development of Other Roads in West Kochi under Smart City Mission	2853	6020	Project re-tendered.
3.3	Restoration/ Rehabilitation of Stormwater drains in the proposed area		2360		
3.4	MLCP and Commercial complex at Kacheripady	MLCP at Kacheripady	5000	616	DPR Submitted. **Tender has been issued**
		Commercial Complex at Kacheripady		2584	DPR under preparation
		MLCP at GCDA land at Marine Drive		1800	DPR under preparation
		MLCP at KTDC complex at Maneka			
		Smart Parking solutions at vaiorus location in ABD area			

Scope – Access Roads

The existing internal roads are to be developed as Access roads between the smart roads for improved traffic flow within the ABD area. The scope of works in Access roads are mainly but not limited to upgradation of drainage facilities by construction of new drains, Irish drains and restoration of existing drains as per site requirements, provision of footpath (as per standards and space available) and surface improvement where ever required. The CSML intends to develop 39 Roads in Ernakulam central area (14.439 Km) and 87 Roads in Fort Kochi (30.141 Km). Landscape, hardscape and cycle lane. The

various components included (but not limited to) in this area – wide footpaths, landscape corridor with trees, bus bays, on-street parking, road markings, median, improved junctions, table tops, universal accessible design by introduction of ramps, benches and planting beds, etc.

Module 4 Main roads

There were total of 5 projects identified under this module related to roads with serial number 4.1 to 4.3. Projects 4.4 & 4.5 will be separate project.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
4.1	World class Arterial roads -- KB Jacob & Amravati Road/ Bellar Road in West/ -- Avenue, MG Rd, DH Rd, Banerjee Rd, Abraham Madamakkal road in Central city	Development of Smart Roads Ernakulam under Smart City Mission	5,287	5240	Clubbed - Initially 3 projects. All 3 works will be done for same road stretches thus all 3 projects have been proposed to be clubbed together. One additional road proposed by KMC & MLA Abraham Madamakkal Road added **Project re- tendered**. **Technical Bid evaluation under progress.**
4.2	Relaying of roads, Aesthetic and improved Urban design Pedestrian facilities with Street furniture, Boulevards and urban greenery	Development of Smart Roads in West Kochi under Smart City Mission	1650	2450	
4.3	Utility ducting for SWD, Water supply, Sewerage, OFC etc		3300		
4.4	Signages, Junction improvement with Intelligent Traffic management	Signages	97	240	Segregated as signages & ITMS have separate projects. Junction improvement taken up under Roads combined project. DPR has been submitted for Approval.
		Integrated Traffic Management System		2690	**LoA has been issued to Keltron. Contract agreement to be signed.**
4.5	Escalator FOBs		240		Feasibility Stage

Smart Roads: Construction, operation and maintenance of Smart Roads

CSML intends to develop 5 roads in Ernakulam central area (4.9 Km) and 5 Roads in west Kochi (3.2 Km) as smart roads. The scope of work includes developing the existing roads mentioned above by upgradation and augmentation of foot path, provision of cycle lanes , providing Road Markings, Street Furniture, Bus bays, Street Landscaping works, utility trenching/ducting works, Construction of new drains and restoration of existing drains as per site requirements, shifting of utilities to underground trenches, foundation for street light poles, monopoles and smart poles, installation of compact substations, individual connections through feeder pillars, smart elements and other Miscellaneous works along with operation maintenance of landscaping works.

Discussions have been held with Kerala Water Authority (KWA) and it has been requested that any related work to the 24x7 water supply project must be in sync with Roads project.

Module 5 Energy Supply

There were total of 16 projects identified under this module with serial number 5.1 to 5.16. Based on the meetings conducted with KMC, KSEB and PWD these all projects have been combined into one as it will be implemented along with Smart Roads.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
5.1 – 5.16	Compact Secondary Substation (990 KVA) Underground HT Line Underground LT Line LT UG for Streetlights AMR Metering - Single phase AMR Metering - Three phase AMR Metering - HT RMU with Remote terminal units Distribution panel board Installation of feeder pillars Underground Cabling - 11 KV LT UG Cabling Installation of Transformers (Compact Sub-stations) Installation of Ring Main Units with Remote terminal units Smart Meters (AMR) Installation of feeder pillars	Development of Electrical Infrastructure in ABD Area	12,253	6349	Clubbed with Road project. **The project has been retendered**.

The scope of projects is to implement System Improvement & Augmentation Scheme for existing Electrical Network in various Smart Road area. The contractor's scope of work includes but not limited to: Survey, network design, manufacturing, Working testing, inspection, packing, dispatching, loading, unloading and storage at site, transit/storage and construction insurance, assembly, erection, civil structural work, complete pre-commissioning checks, testing & commissioning at site, obtaining statutory clearance & certification from State Electrical Inspectorate, Kerala State Electricity Board, Kochi Municipal Corporation etc. and handing over to the Owner after satisfactory commissioning of complete augmentation of existing Electrical Network in Cochin Smart Mission Limited Project ABD area.

Module 6 Energy efficiency

There were total of 2 projects identified under this module with serial number 6.1 to 6.2. Based on the meetings conducted with Kerala State Electricity Board and Kochi Municipal Corporation all projects are under scope of SPV implementation.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
6.1	Solar based LED with Smart poles	Smart LED Lights in ABD area	1,250	3230	Segregated as lighting & Telecom projects **Project re-tendered. Bid evaluation under progress.**
		Intelligent Street Poles in Kochi		30160 (PPP)	DPR submitted **Tender has been issued.**
6.2	Solar panels in Households and Institutions - Grid connected	Solar panels in Govt. buildings	1,758	570	Work awarded on Nomination basis to BHEL. Work under implementation.
		Solar panels in public places		1178	Concept stage

In module 6: Solar based LED with Smart poles has been mentioned as one single project. Smart Pole & Solar LED are two different entities hence should be considered as two different projects. Smart poles are proposed to be implemented as a PPP project.

2.1.1 SOLAR ROOFTOP PROJECT IMPLEMENTATION PROGRESS

Contractor mobilized 330 KW panels in the month of November 2018. Following to this BHEL started site feasibility study and other paper works in the month of December 2018. Contractor prepared structural drawings for installation 450 KW of solar panels and submitted to PMC for approval. Clearance for installation of Solar panels has been given to BHEL for 18 buildings including Court Complex. The total capacity of solar panels in these buildings is (690 + 40) KWp. PMC also verified the solar panels (314 KWp) supplied by BHEL for various sites. BHEL agreed to submit the drawing of each buildings complete in all respects.

- **Fire station & General Hospital**

Installation of 40 KWp solar panels at Fire station and 70 KWp at General Hospital have been completed. Approval awaited for the same from Electrical Inspector, Electricity Department

- **Town Hall, Ernakulam**

Module installation (260 nos.) for 80 KWp supply has been completed. Work for Electrical wiring (DC/AC) is in under progress.

- **Central Section office, KSEB**

Installation of 20 KWp Solar panels is completed. Approval awaited for the same from Electrical Inspector, Electricity Department.

- **High Court Complex**

Work for installation of Solar panels at Court complex is under progress.

Figure 2-1 Installation of Solar Panels at Court Complex

- Module installation for 15 KWp at Govt. Ayurveda College, Kacheripady, 30 KWp for Govt. Hospital Fort Kochi, 30 KWp at Government Girl HSS, Ernakulam South, 20 KWp at Town Hall, Palluruthy, 40 KWp at Vennala High School, 60 KWp for PWD Rest house, 40 KWp at Government Hospital, Karuvelipady has been completed. Work for Electrical wiring is under progress.

Module 7 Solid waste and Sanitation

There were total of 4 projects identified under this module with serial number 7.1 to 7.4. Based on the meetings conducted with Kochi Municipal Corporation all projects are under scope of CSML implementation. Only one project was proposed to be dropped by KMC as it was not successful in earlier attempts made by Govt. Authorities.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
7.1	Equipment including Smart Street sweepers/ GPS enabled Vehicles/compactors		600		Segregated
		Supply, Operation and Maintenance of Portable Compactor for Secondary Storage & Transportation of Solid Waste		440	Technical Bid open. Bid evaluation under progress
		Smart & Improved Battery-Operated Tricycles for Primary Waste Collection at West Kochi & Ernakulam in ABD Area		100	DPR submitted KMC concurrence awaited
		Smart & Improved Mechanised Street Sweeping at West Kochi & Ernakulum in ABD area		320	Technical Bid open. Bid evaluation under progress
7.2	Bio-composting in all Government institutions		5		Dropped as based on previous experience

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
					KMC proposed not to take up the listed project
7.3	Household segregated bins for Organic and inorganic wastes		74	100	Technical Bid open. Bid evaluation under progress
7.4	Public toilets with Fit-in Treatment facility for Decentralized STP in West Kochi	Renovation and Upgradation of existing Public Toilet Facilities in ABD area	10	180	DPR Submitted. **Tender has been floated.**

Module 8 Parks and Open spaces

There were total of 4 projects identified under this module with serial number 8.1 to 8.4. Based on the meetings conducted with Kochi Municipal Corporation, Tourism Department and forest Department all projects are under scope of SPV implementation except 8.1 which is already taken up for implementation by Tourism Dept.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Remarks
8.1	Upgradation of Nehru Park		200		Convergence - project undertaken by Tourism Department. The project is under implementation by Tourism Department.
8.2	Development of open spaces and playgrounds		30		Feasibility report under preparation.
8.3	Marine Drive walkway phase I		90	710	Feasibility Report is submitted on 3rd November 2018. Revised DPR has been submitted on 12 Feb 2019 **Tender has been issued.**
	Marine Drive walkway phase II			690	DPR under Preparation
8.4	Mangalavanam Eco-restoration project		100		Concept stage. Proposed concept shared with KMC & Forest Dept. Concurrence awaited.

Module 9 Canal Restoration

There were total of 4 projects identified under this module with serial number 9.1 to 9.4. Based on the meetings conducted with Kochi Municipal Corporation all projects are under scope of SPV implementation.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Status
9.1	Restoration of Mullassery canal - including linking of standardized area drains		100		Feasibility Stage
9.2	Restoration of Market canal - Walkways and Market square around the canal pond, Solar panelled roofs, LED Lighting, Light posts		500		Feasibility Stage
9.3	Restoration of Kalvathy canal and area drain improvement - Open spaces, Street furniture and landscaping features		2,000		Feasibility Stage
9.4	Restoration of Rameswaram-Kalvathy canal - Up to Cochin college – Walkways and Linking the Canal Bank Road		1,500		Feasibility Stage

Module 10 Urban mobility

There were total of 9 projects identified under this module with serial number 10.1 to 10.9. Based on the meetings conducted with Kochi Metro Rail Limited and Kochi Municipal Corporation 5 projects are under scope of SPV implementation and remaining 4 with KMRL – Water Metro project.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Estimated Cost	Status
10.1	Water transport infrastructure (around 12 100 Pax boats)		4,200	5600	Convergence - Being undertaken by Water Metro. DPR prepared. Bid evaluation under progress
10.2	Electric Feeders, Bicycle Sharing, Elevated Walkways and Travellators		1,148		Segregated
		Electric Feeders		574	Concept Stage (In consultation with stakeholders)
		Bicycle Sharing		1000 (PPP)	Locations approved by KMC. Contract to be signed
		Elevated Walkways and Travellators		574	Concept Stage (In consultation with stakeholders)
10.3	Walkway from Ekm Jetty to Metro station		900		Under implementation
10.4	Jetty improvement		800	4000	Convergence - Being undertaken by Water Metro. Bid evaluation under progress
10.5	Property development along jetties		720		
10.6	Boatyard and Command & Control Centre	Boatyard	2,000		
10.7	Dredging cost		1,000		
10.8	Extend 'Smart Wi-Fi bus shelters' with LED bulbs, FM radio, USB drive slots,		60		Concept Stage (In consultation with stakeholders)

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Estimated Cost	Status
	magazine/newspaper kiosks, mobile charger units				
10.9	Standard Wifi Enabled Bus Stands with Commercial space development		300		Concept Stage (In consultation with stakeholders)

2.1.2 PUBLIC BIKE SHARING IMPLEMENTATION PROGRESS

Sl No	Date	Site Visited	Agenda for Site visit	Location	Notes from site visit
1.	12.12.2018	West Kochi and Ernakulam	Identification of Bicycle docking stations	Locations at Fort Kochi and Mattancherry area and Ernakulam	15 locations has been identified and approved. Short notice tender for Pavement of 6 docking locations has been issued. The bid evaluation is ongoing for the under process

Cochin Smart City Mission along with KMRL appointed Hero cycles (Hexy) for implementing the Kochi Bicycle Sharing Scheme (PBS) project in Kochi Smart City ABD area and 2km on either side of the metro alignment from Aluva to Petta. In this regard, CSML has identified 15 locations for installing Cycle docking stations as Phase-1(13Locations in West Kochi and 2 locations in Ernakulum). The list of Identified location photographs and details submitted to Kochi Municipal Corporation (KMC) and got approval for implementing the project on 22.1.2019. Also, KMC has appointed Fort Kochi zonal office Assistant Executive Engineer as the Nodal officer for the PBS project.

Out of 15 locations, 6 locations are required fresh paving to initiate work by Hero cycles. Hence CSML has issued a short notice tender for construction of paved surface.

Module 11 Housing

There were total of 3 projects identified under this module with serial number 11.1 to 11.3. Based on the meetings conducted with Kochi Municipal Corporation and other stakeholders below mentioned projects are under scope of SPV implementation. KMC has proposed to take up some other project in place of Upgradation of infrastructure in Housing through Credit linked schemes. CSML have revised the budget of smart city under housing module to Rs. 100/- crores.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Estimated Cost	Status
11.1	Integrated redevelopment of Slum housing		14,140	9650.00	Concept Stage (In consultation with stakeholders). Awaiting Confirmation for scope of work from KMC KMC To provide final list of beneficiaries and slums to be taken up under SCM
11.2	Upgradation of infrastructure in Housing through Credit linked schemes		2,435		KMC proposing to revise the scope of component to “Beneficiary Led construction”. Chief secretary instructed CSML to execute the complete construction preferably using prefab technology.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Estimated Cost	Status
					Awaiting confirmation for scope of work and final list of beneficiaries from KMC.
11.3	Construction & upgradation of 755 DUs in Thuruthy, Kalvathy & Konchery colony	Construction & upgradation of 755 DUs in Thuruthy, Kalvathy & Konchery colony-KMC	7,424	4790	Decision taken by Chief secretary on 26th Dec 2018 for CSML to assist KMC in completing the construction of tower 1 under RAY scheme by Gap funding only. Gap funding to be disbursed by CSML only after KMC provides revised administrative sanction from LSGD and tender out the sewage treatment facilities.
		Rejuvenation of Thuruthy through improvement of mobility links –KMC-SCM		440	Feasibility Report Submitted on 27th September, 2018 for bridges construction. DPR under preparation

Module 12 Economy and Employment

There were total of 2 projects identified under this module with serial number 12.1 & 12.2. Based on the meetings conducted with Kochi Municipal Corporation, KMCC, Market association and other stakeholders all projects are under scope of SPV implementation.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Estimated Cost	Status
12.1	Broadway Market and Ernakulam market Redevelopment and Mattancherry spice market		11,000		
		Broadway Street pedestrianisation	1000		Feasibility report submitted on 15th October, 2018 DPR Stage. KMC to share list of approved licensed hawkers to be accommodated along multi utility zone proposed.
		Ernakulam Market Redevelopment	10000		Feasibility report submitted. DPR Stage. KMC to approve initiate R&R asap.
		Mattancherry spice market Redevelopment			Segregated - Feasibility stage
12.2	Standard Hawker zones in Fort Kochi	Standard Hawker zones in Fort Kochi + Standardize structures for "Petti Kada"	500	560	Segregated - Feasibility stage. KMC to share list of approved licensed hawkers

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Estimated Cost	Status
					Hawker zone included as part of Fort Kochi Beach upgradation.

Pedestrianisation of Broadway Street for approx. 500m stretch.

The proposal:

Broadway Street Upgradation proposals proposes for a time bound Pedestrianization of 500m stretch at an estimated cost of INR 10.0 Crores with other supporting projects including pick up/drop off facility e-vehicles from Bus stops, metro, water metro and MLCPs to offer smooth transition from parking to no parking zone.

The smart city team explained about the proposal to KMC that it includes Pedestrianize the Broadway street stretch in a time bound manner from 12.00 pm to 8.00 pm allowing only E-rickshaw & emergency vehicle movement. Pedestrian oriented street with partial canopy covering with regulated vehicular access. Street is proposed as no parking zone.

Assistance required from KMC:

Smart city Team requested KMC to share final list of eligible hawkers to enable Smart City team to accommodate the licensed hawkers along multi utility zone with cart size requirement. Approval of revised traffic management plan from beneficiaries, Co-ordination with all beneficiaries.

i. Final approved list of hawkers to be shared with smart city team at the earliest to enable Smart city team to do detailing of the designs that include allocation of hawkers in Multi utility zone.
ii. KMC to hold public consultation with the shop keepers along Broadway and take formal approval for the proposed project and finalize design detail such as the canopy and road design.

The proposal

Ernakulam Market redevelopment proposal at an estimated cost of INR 100 Crores was presented that proposed for development of Market area with a G+3 building, Basement floor for parking, Developing market square in to a Multilevel car parking space, Solid waste compactor, Banana Auction area, etc and solid waste compactor facilities, widening of an existing bridge over market canal connecting to the market square and Skywalk.

Assistance required from KMC:

Smart city Team requested KMC to share final list of eligible shopkeepers with shop size requirement. Suggest on Transit shelter strategy including confirmation on alternate land for relocation, expenditure during relocation period, revision of rental rates for new building and negotiations, approval of revised traffic management plan from beneficiaries, Co-ordination with all beneficiaries.

i. KMC to verify and compile final list of vendors and hawkers and share with smart city team at the earliest to enable Smart city team to do detailing of the designs
ii. Confirmation for land for transit shelters at the earliest.

iii. KMC to confirm allotment of shops by zoning. Smart city to design accordingly

Module 13 Health

There were total of 2 projects identified under this module with serial number 13.1 & 13.2. Based on the meetings conducted with Kochi Municipal Corporation, DMO and other keyholders all projects are under scope of SPV implementation.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Estimated Cost	Status
13.1	Scale up of GH into a Super-speciality care centres	Cancer Extension Block, General Hospital.	3,000	1700 (Phase I)	LoA to INKEL has been issued.
		E-health solution for General Hospital		371	Segregated - Revised DPR has been submitted on 7th February. LoA has been issued. Contract agreement need to be signed
13.2	Integrated development of 4 Hospitals in West Kochi - Excellence in Secondary care	Out Patient & Admin block, Fort Kochi taluk Hospital	1,000	550	Revised DPR, Detailed Estimate and Drawings submitted. **Tender has been issued**
		Out Patient & Admin block, Women & Child Hospital, Mattancherry		524	Revised DPR submitted on 13th November, 2108. Revised BoQ and drawings have been submitted. **Tender has been issued**

As per the Smart City Proposal the project identified is 'Scale up of GH into a Super-specialty care centres'. However, what exact scaling up was required was not proposed. Thus, the nature of upgradation was identified by CSML & PMC in numerous meetings conducted with KMC & DMO & GH team. The initial proposal for General hospital was a W & C ward. But as General Hospital did not have enough space for building a W&C ward which was established when Smart City team started further discussions for GH proposal. Hence again after numerous discussions with GH team & then KMC the proposal was revised as Cancer ward adjacent to the Proposed cancer block by INKEL. Smart city team had had many meetings regarding this change of scope with KMC. During a discussion regarding the cancer care unit, it came up that since INKEL is already doing a project in same compound they may be awarded the proposed Cancer ward work as well to ensure consistency & continuity of work and reduce any disruptions due to two different agencies working on same company & buildings.

Cancer Extension Block, General Hospital: Projects intends to provide a dedicated cancer specialty ward block as an annex to the Existing LINAC building. The Council has given approval for Cancer Extension Block, General Hospital project on 9th October, 2018. The

LOA has been issued to INKEL for the construction of Cancel Extension Block, General Hospital

Out Patient & Admin block, Fort Kochi taluk Hospital & Out Patient & Admin block, Women & Child Hospital, Mattancherry: Projects intends to provide a dedicated Outpatient department with individual consultation rooms, waiting areas and administrative block. The RFP has been submitted. Tender will be issued by the first week of the March

E- Health Solution for General Hospital: The General Hospital at Ernakulam is one of the reputed Hospital which provides effective medical care to the citizens of the Kochi Corporation and surrounding areas. General Hsopital has a very old and ineffective IT infrastructure which is an impediment to its efficient functioning. This requires urgent upgradation. Concurrently e- Health solution is being developed and implemented by state Health department which integrates all departments and government hospitals into an efficient Hospital Information and Management system. It's thus panned to upgrade the IT infrastructure of General Hospital under the smart city mission project. LoA has been issued to Keltron. The contract agreement for the the implementation of e-Health needs to be signed.

Module 14 Education

There were total of 2 projects identified under this module with serial number 14.1 & 14.2. Tenders were floated, and bids received from the bidders for the Smart class room project. However, KITE Mission of Government of Kerala informed that a similar project is being implemented by them on State Level thus the SPV should not continue with the selection process. Therefore, the project is put on hold.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Status
14.1	Upgradation of facilities - Basic services, Digital classrooms, Libraries, Eco-toilets, Sports kits, Biogas plant, Urban farming etc Anganwadis and public schools		100	100	Feasibility Report under progress and will be submitted by 06-04-2019
14.2	Upgradation of facilities - Basic services, Digital classrooms, Libraries, Eco-toilets, Sports kits, Biogas plant, Urban farming etc Higher Educational institutions	Higher secondary block, Central Calvathy GHSS, Fort Kochi	450	500	DPR Submitted on 13.11.2108. Tender has been issued.
		Smart Classroom for 100 classrooms PAN city		490	Segregated. Tender has been cancelled by the authority.

The project will include rejuvenation of AWC in Fort Kochi & Mattancherry with state-of-the-art facility for Preschool training with Mother & Child care. List of 52 AWC identified in Fort Kochi & Mattancherry from CDPO. The proposal includes following components:

- Tangible (physical) upgradation in quality of environment for AWC functioning in Govt premises,
- IT infrastructure for Smart class rooms at AWCs.

Calvathy School project intends to provide a higher secondary block for about 240 pupils along with the labs and ancillary facilities required. The building would also provide admin office required for lower primary section.

- The proposal includes following components:
  - 4 classrooms of 60 capacity each and one digital classroom
  - Chemistry, Physics and computer labs
  - Staff rooms, admin rooms, for higher secondary & lower primary section.
  - Auditorium of 250 capacity.
- Building would be a 4-story structure of total area of 1500 sq.mt built after demolishing an existing single story old structure which is currently used as a common activity area.

The Smart education project aims to bring in state of the art education to students through classroom revolution which is to innovate education, teaching and evaluation methods, and educational environments using information Technology.

Module 15 Safety and Security

There were total of 2 projects identified under this module with serial number 15.1 & 15.2. Based on the meetings conducted with Kochi Municipal Corporation and other stakeholders, all projects are under scope of SPV implementation.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Status
15.1	5 Rapid response boats for water transport safety	Water Ambulance	50		Concept stage
15.2	Drone Surveillance	Intelligent surveillance System for Kochi	30	585	Stakeholders proposed not to take up drone project. Similar other projects are being identified. One such project is CCTV surveillance Feasibility report for CCTV has been submitted on 21st January, 2019. DPR submitted.

Since it is learnt that KSINC is operating water ambulance, the scope needs to be discussed with the stakeholders.

Module 16 Other Social Infrastructure

There were total of 2 projects identified under this module with serial number 16.1 & 16.2. Based on the meetings conducted with Kochi Municipal Corporation, all projects are under scope of SPV implementation.

S. No	Proposed interventions	SCP Cost	Clubbed / Segregated/ Estimated Cost	Status
16.1	Upgradation of Community Centre at Mattancherry with indoor sports facilities	100		Awaiting confirmation from KMC regarding which community centre is to be taken for upgradation work
16.2	Standardize structures for "Petti Kada"	60		Clubbed - with Hawker zone. Concept stage

The scope of project at 16.1 is yet to be clarified by KMC.

Project 16.2 has been clubbed with project number 12.2 as petti kadas will be provided for Hawker Zones identified. Broad designs have been made. After the hawkers are identified, implementation of this project will be taken up accordingly.

Module 17 Identity and Culture

1 project identified under this module with serial number 17.1.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Status
17.1	Fort Kochi and Mattancherry region Master plan for Tourism		3,000		
		Open Air Theatre (OAT) at Fort Kochi Zonal office		110	**Tender has been issued.**
		Development of Dutch palace node parking area and palace street entry		110	**Tender has been issued**.
		Fort Kochi Beach Front improvements - Part A Vasco Square		158	**Tender has been issued.**
		Development of Ethnic Food Hub & Dutch Quay Upgradation		100(PPP)	DPR Submitted
		Museum of Freedom Struggle		120	Feasibility report submitted on 20th December, 2018
		Museum of Spices history		150	
		Fort Kochi Beach Front improvements - Part B Walkway & Beach		800	
		Mattancherry Walkway		1100	
		Developing a Water & Adventure sports center at Marine drive		100	Feasibility report will be submitted on 8th November 2018. Comments received from CSML. Feasibility report is being revised based on the comments
		Art Installations in Kochi		50	Concept Stage

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Status
		Multimedia based Light & Sound show		500	Concept Stage

The project mentioned in the SCP project list is Master plan for Tourism. Tourism Project will be taken up individually identified in the Tourism Master plan. Based on the meetings conducted with Department of Tourism, KMC and other stakeholders the projects have been identified.

Module 18 Others

There was 1 project identified under this module with serial number 18.1. Based on the meetings conducted with MoHUA, KMC, Town Planning Dept and other stakeholders the project is under scope of SPV implementation. This project will be integrated with IC4 project.

S. No	Proposed interventions	REVISED Name of Project	SCP Cost	Clubbed / Segregated/ Estimated Cost	Status
18.1	Spatial Mapping of assets and SCADA systems for Information gathering with monitoring centres	Base Map updation for ABD Areas	1,500	40	DPR have been submitted on 20th December, 2018
18.2		Integrated Command, Control and Communication Centre (IC4)		6450	LoA issued. Contract agreement to be signed.

The main objective of the project is to develop an updated detailed GIS Base map on a scale of 1:1,000 for the Project area. The preliminary interpreted map should be ground verified and the final map is to be prepared by incorporating the ground truth data. These detailed maps consisting of the planimetric details, Plot boundaries micro level Land use and utility services underground utilities as available from line departments need to be generated by contact ground truth collection, updating of map and data linking.

Available data at CSML will be integrated with the Base Map in GIS during the survey preparation of base map. The data will be collected in proper field data sheet format. The base map prepared through on-screen digitization of imagery will be used for survey for the updating purpose and finalization of layer wise Base Map with the attributes.

Final base map is to be prepared incorporating the data collected from survey and the data for different entities. Hard copy base maps are to be prepared at 1: 1000 scale ward wise/ ABD area wise. The base maps will be prepared in various layers for ease of operation in GIS. Layer and data structures can be modified depending on the local requirements of CSML.

2.2 ADDITIONAL PROJECTS PROPOSED

Following few projects have been proposed by stakeholders to be taken up under smart city. These will only be taken up after council approval and based on fund availability after all identified projects under Smart City are taken up.

Those have been considered for following reason.

Project Name	Reason for inclusion
1. Multilevel Car parking at GCDA ground on Shanmugham Road 2. Smart parking solutions	• As part of module 12 improvement Ernakulam Market & Pedestrianisation of Broadway Street is under scope of Smart city. • For supporting proposal of pedestrianisation parking at various other locations are must to support parking free Broadway street. For success of Browed Street improvement this parking is very much required to support proposed Broadway Street pedestrianisation and Ernakulam Market development • GCDA amenable to provide land. • Location within ABD area. • Urban mobility already identified theme under SCP can be taken up under same

2.3 OVERALL PROGRESS

Sl No	Source of Funds	No of Projects as per SCP	Cost as Per SCP (Rs in Cr	No of Revised Projects	Revised Cost (Rs in Cr)	No of As Issued	As issued- Amount	No. of TS Issued	Amount of TS issued	No of Tendered Projects*	Amount of Tendered	No of Work Awarded	Amount of Work Awarded	No of Work Completed	Expenditure	Exp % against Work Order	Cumulative Exp in %
1	SPV	80	1347.29	67	1028.41	26	621.16	25	602.68	22	581.12	6	126.81		2.47	1.95	0.2
2	PPP			4	337.58	3	336.6	3	336.6	3	336.58	2	35		1.5		
3	Convergence	2	646.000	19	929.8	8	155.80	8	155.78	8	336.58	6	59.78	2	6.7	11.21	0.7

Note * Total - Tendered Number & Amount : Projects not included which are awarded on nomination basis

2.4 SECTOR PROGRESS

Sl No	Name of the Sector	No of Projects as per SCP	Cost as Per SCP (Rs in Cr)	No of Revised Projects under SCP	Revised Cost (Rs in Cr)	No. of Technical Sanction Issued	Technical Sanction Issued - Amount	Total Tendered (Number)	Total - Tendered Amount (Rs in Crore)*	Work Awarded - Number	Work Awarded - Amount (Rs in cr)	Work Completed	Total - Expenditure (Rs in crore)	Exp % against Work Order	Cumulative % of Exp (Based Revised Cost)
A. ABD AREA PROJECTS SPV															
1	Water Supply	14	131.55	2	4.75	0	0	0	0	0	0				
2	UGSS	3	202.00	2	200.3	1	143.3	1	143.3	0	0				
3	NMT Roads	4	144.13	7	145.66	3	102.7	3	102.66	0	0				
4	Main Roads	5	105.74	5	108.6	3	106.9	3	106.9	1	26.9				
5	Energy Supply	16	122.53	1	63.49	1	58.6	1	63.49	0	0				
6	Energy Efficiency	2	30.08	4	355.16	3	343.3	2	337.58	1	5.7				
7	Solid Waste and Sanitation	4	6.89	5	11.37	4	10.37	4	10.37	0	0				

Sl No	Name of the Sector	No of Projects as per SCP	Cost as Per SCP (Rs in Cr)	No of Revised Projects under SCP	Revised Cost (Rs in Cr)	No. of Technical Sanction Issued	Technical Sanction Issued - Amount	Total Tendered (Number)	Total - Tendered Amount (Rs in Crore)*	Work Awarded - Number	Work Awarded - Amount (Rs in cr)	Work Completed	Total - Expenditure (Rs in crore)	Exp % against Work Order	Cumulative % of Exp (Based Revised Cost)
8	Park & Open Space	4	4.20	4	15.3	1	7.1	1	7.1	0	0				
9	Canal Restoration	4	41.00	4	41	0	0	0	0	0	0				
10	Urban Mobility	9	111.28	7	98.58	3	103.7	3	103.7	3	83.5		1.9	2.28	1.93
11	Housing	3	239.99	3	100	0	0	0	0	0	0				
12	Economy and Employment	2	115.00	4	115.6	0	0	0	0	0	0				
13	Health	2	40.00	4	29.93	4	29.93	2	9.22	2	20.71				
14	Education	2	5.5	3	10.5	1	4.6	1	4.6	0	0				
15	Safety and Security	2	0.80	2	5.85	0	0	0	0	0	0				
16	Other Social Infrastructure	2	1.6	1	1	0	0	0	0	0	0				
17	Identity and Culture	1	30.00	11	33.5	3	3.78	3	3.78	0	0				
18	Others	1	15.00	1	0.4	0	0	0	0	0	0				
	Total -A	**80**	**1347.29**	**70**	**1340.99**	**27**	**914.28**	**24**	**892.7**	**7**	**136.81**	**0**	**1.9**	**1.4**	0.14
B. ABD AREA PROJECTS CONVERGENCE															
19	Water Supply	14	120.3	13	80.64	4	9.88	4	9.88	4	9.88	2	5.04	**51.0**	6.25
20	UGSS	3	202	1	13.00	0	0	0	0	0	0				
21	Park & Open Space	4	4.20	1	2.00	1	2	1	2	1	2	1	1.66	**83.0**	83.00
22	Urban Mobility	9	111.28	2	96.00	2	96	2	96	0	0				
23	Housing	3	239.99	2	117.16	1	47.9	1	47.9	1	47.9				

Sl No	Name of the Sector	No of Projects as per SCP	Cost as Per SCP (Rs in Cr)	No of Revised Projects under SCP	Revised Cost (Rs in Cr)	No. of Technical Sanction Issued	Technical Sanction Issued - Amount	Total Tendered (Number)	Total - Tendered Amount (Rs in Crore)*	Work Awarded - Number	Work Awarded - Amount (Rs in cr)	Work Completed	Total - Expenditure (Rs in crore)	Exp % against Work Order	Cumulative % of Exp (Based Revised Cost)
	Total- B	**33**	**677.77**	**19**	**308.8**	**8**	**155.78**	**8**	**155.78**	**6**	**59.78**	**3**	**6.7**	**11.2**	**2.17**
C. PAN CITY PROJECTS															
24	Water Supply	1	621	1	621										
25	INTEGRATED CITY APP	1	25	1	25	1	25	1	25	1	25.00	1	25.00	**100.0**	**100.00**
	Total -C	**2**	**646**	**2**	**646**	**1**	**25**	**1**	**25**	**1**	**25.00**	**1.00**	**25.00**	**100.0**	**3.87**
	Grand Total - (A+B+C)	**115**	**2671.06**	**91**	**2295.79**	**36**	**1095.06**	**33**	**1073.48**	**14**	**221.59**	**4**	**33.6**	**15.2**	**1.46**

Note * Total - Tendered Number & Amount : Projects not included which are awarded on nomination basis

2.5 IMPLEMENTATION SCHEDULE

The implementation schedule for the projects are given below:

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Replacement of connections (last mile) for across 550 HSCs (Commercial and Domestic) with Smart Metering and isolation valves	2000	400	Feasibility Stage	12-Mar-2019	30-May-2019	27-April-2019	30-June-2019	04-July-2019	15-July-2019	15-Sept-2019	Scope is being revised. The project will be taken up for ABD area. Scope of work is being finalised
Rainwater harvesting structures in 13 Govt. bldgs & Institutions	1125	75	DPR Stage	21-Mar-18	-	30-April-2019	30-May-2019	11-June-2019	15-July-2019	30-Sept-2019	Approval awaiting
Improvements to sewer collection system for West Kochi	13200	14300	Tender issued	7-Feb-18 Revised-11-Sep-18		20-Feb-2019/ 28-Feb-2019/ 05-Mar-2019	-	08-Mar-2019	08-Mar-2019	15-June-2019	
Improvements to sewer collection system for Mainland	7000	5700	Feasibility Stage	29-Mar-2019	30-June-2019	15-May-2019	30-July-2019	04-July-2019	14-Aug-2019	30-Sept-2019	Scope is being finalised with Stakeholders

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Development of Other Roads in Ernakulam under Smart City Mission	4200 2853 2360	3630	Project re-tendered Bid evaluation under progress LoA will be issued by 9th April	10-Aug-18	-	30-Aug-18	-	11-Oct-18/ 14-Feb-2019	-	09-April-2019	
Development of Other Roads in West Kochi under Smart City Mission		6020	Project re-tendered.	10-Aug-18	-	30-Aug-18	-	11-Oct-18/ 15-Feb-2019	-	15-June-2019	Project re-retendered
MLCP at Kacheripady	5000	616	Tender issued	26-Feb-18 Revised FR – 07-Oct-18	-	08-Feb-2019		08-March-2019	08-March-2019	15-June-2019	
MLCP at GCDA land at Marine Drive		1000	Feasibility Stage	30-April-2019	30-May-2019	30-May-2019	15-June-2019	07-June-2019	30-June-2019	30-Aug-2019	Scope is being finalised with Stakeholders
MLCP at KTDC		700	Feasibility Stage	30-April-2019	30-May-2019	30-May-2019	15-June-2019	07-June-2019	30-June-2019	30-Aug-2019	Scope is being finalised with Stakeholders

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Smart Parking Solutions in ABD area		100	Feasibility Stage	30-April-2019	30-May-2019	30-May-2019	15-June-2019	07-June-2019	30-June-2019	30-Aug-2019	Scope is being finalised with Stakeholders
Development of Smart Roads in Ernakulam under Smart City Mission	5287	5240	Project re-tendered Bid evaluation under progress LoA will be issued by 9th April	10-Aug-18	-	30-Aug-18	-	11-Oct-18/ 14-Feb-19	-	09-April-2019	
Development of Smart Roads in West Kochi under Smart City Mission	1650 3300	2450	Project re-tendered Bid evaluation under progress LoA will be issued by 9th April	10-Aug-18	-	30-Aug-18	-	11-Oct-18/ 16-Feb-19	-	09-April-2019	
Development of Smart Roads electrical	12253	5860	Project re-tendered	10-Aug-18	-	30-Aug-18	-	11-Oct-18/ 16-Feb-19	-	30-May-2019	

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
infrastructure in Ernakulam & West Kochi under Smart City Mission			Bid evaluation under progress								
Integrated Traffic Management Systems (ITMS)	97	2690	LoA issued	2-Feb-18	-	6-Feb-18	-	24-Feb-18	-	22-Feb-2019	-
Signages		240	DPR submitted	15-Feb	-	28-Feb-2019	-	10-Mar-2019	15-June-2019	15-Aug-2019	-
Escalator FOBs	240	240	Feasibility Stage	25-Mar-2019	30-June-2019	23-Mar-2019	30-July-2019	08-May-2019	14-Aug-2019	30-Sept-2019	Scope is being finalised with Stakeholders
Implementation of Smart LED Lighting in ABD area	1250	3209	Project Re-tendered.	12-Feb-18	-	17-Feb-18	-	24-Feb-18 Re tendered-26-12-18	-	15-June-2019	Project re-tendered
Intelligent Street Poles		30158	Tender issued.	8-Feb-18	-	15-Nov-2018/ 08-Feb-2019	-	07-Mar-2019	-	15-June-2019	
Solar Panels in Govt. Buildings	1758	570	Project under implementation.	2-Feb-18	-	7-Feb-18	-	-	24-Sep-18	-	-

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Solar panels in public places (Canals, parks etc)		1178	Concept Stage	27- Mar-2019	30-June-2019	25-April-2019	30-July-2019	10-July-2019	14-Aug-2019	30-Sept-2019	Scope is being finalised with Stake holders
Supply, Operation and Maintenance of Portable Compactor for Secondary Storage & Transportation of Solid Waste		440	Tendered Technical Bid evaluation under progress	14-Feb-18	-	20-Mar-18	-	22-Mar-18	-	28-Feb-19	-
Smart & Improved Battery-Operated Tricycles for Primary Waste Collection at West Kochi & Ernakulam in ABD Area	600	100	DPR Submitted	26-Feb-18	-	28-Feb-18	-	30-June-2019	30-June-2019	30-Aug-19	Approval awaited
Smart & Improved Mechanised Street Sweeping at West Kochi & Ernakulum in ABD area		320	Tendered Technical Bid evaluation under progress	20-Mar-18	-	20-Mar-18	-	22-Mar-18	-	28-Feb-2019	-
Distribution of Household Bins & Street	74	100	Tendered Technical Bid	7-Feb-18	-	28-Feb-18	-	22-Mar-18	-	28-Feb-2019	-

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Litter Bins for improvement of waste segregation in ABD Area			evaluation under progress								
Public toilets in West Kochi & Ernakulam Market using Septic Tank	10	180	Tender issued	27-Sept-18	-	13-Feb-2019	-	08-March-2019		15-June-2019	-
Development of open spaces and playgrounds	30	30	Feasibility Stage	28-Feb-2019	30-May-2019	30-April-2019	30-June-2019	11-June-19	15-June-19	30-Aug-2019	Feasibility report under preparation
Marine Drive Walkway Phase I	90	710	DPR Submitted	03-Nov-18	-	11-Nov-18 12-Feb-19	-	08-Mar-2019		15-June-2019	
Mangalavanam Eco-restoration project	100	100	Conceptualization Stage. Various discussions held. Confirmation awaited from stakeholder	30-Mar-2019	30-May-2019	10-May-2019	30-June-2019	30-June-2019	30-July-2019	30-Sept-2019	Confirmation awaited from stakeholder on scope of work

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
			on scope of work								
Restoration of Mullassery canal - including linking of standardized area drains	100	100	Feasibility Stage	30-Mar-2019	30-May-2019	30-Apr-2019	30-June-2019	15-June-2019	15-July-2019	30-Sept-2019	Feasibility report under preparation
Restoration of Market canal - Walkways and Market square around the canal pond, Solar paneled roofs, LED Lighting, Light posts	500	500	Feasibility Stage	30-Mar-2019	30-May-2019	30-Apr-2019	30-June-2019	15-June-2019	15-July-2019	30-Sept-2019	Feasibility report under preparation
Restoration of Kalvathy canal and area drain improvement - Open spaces, Street furniture and landscaping features	2000	2000	Feasibility Stage	30-Mar-2019	30-May-2019	30-Apr-2019	30-June-2019	15-June-2019	15-July-2019	30-Sept-2019	Feasibility report under preparation
Restoration of Rameswaram-Kalvathy canal - Upto Cochin college –	1500	1500	Feasibility Stage	30-Mar-2019	30-May-2019	30-Apr-2019	30-June-2019	15-June-2019	15-July-2019	30-Sept-2019	Feasibility report under preparation

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Walkways and Linking the Canal Bank Road											
Electric Feeders	1148	574	Concept Stage. Scope to be finalised by stakeholders	30-Mar-2019	15-June-2019	30-Apr-2019	15-July-2019	10-June-2019	30-July-2019	30-Sept-2019	Scope is being finalised with Stake Holders
Bicycle Sharing		1000	Work under implementation			2-Mar-18		06-Mar-2018		15-Nov-18	-
Elevated Walkways and Travellators		574	Concept Stage. Scope to be finalised by stakeholders	30-May-2019	30-June-2019	15-June-2019	30-July-2019	08-July-2019	14-Aug-2019	30-Sept-2019	Scope is being finalised with Stake Holders
Walkway from Ekm Jetty to Metro station	900	900	Under Implementation							30-Mar-17	
Integrated Command, Control and Communication Centre (IC4)	10000	6450	LoA issued	15-May-18	-	20-May-18	-	26-Apr-18	-	28-Feb-2019	

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Extend 'Smart Wi-Fi bus shelters' with LED bulbs, FM radio, USB drive slots, magazine/newspaper kiosks, mobile charger units	60	60	Concept Stage. Scope being finalised with KMC	30-April-2019	30-June-2019	30-Apr-2019	30-July-2019	17-June-2019	14-Aug-2019	30-Sept-2019	Scope is being finalised with Stake Holders
Standard Wifi Enabled Bus Stands with Commercial space development	300	300	Concept Stage. Scope being finalised with KMC	30-Mar-2019	30-June-2019	30-Apr-2019	30-July-2019	17-June-2019	14-Aug-2019	30-Sept-2019	Scope is being finalised with Stake Holders
Integrated redevelopment of Slum housing	14140	9635	Scope being finalised with KMC	17-April-2019	15-June-2019	15-June-2019	15-July-2019	30-July-2019	30-July-2019	30-Sept-19	Scope is being finalised
Upgradation of infrastructure in Housing through Credit linked schemes	2435		Scope being finalised with KMC	17-April-2019	17-April-2019	15-June-2019	15-June-2019	30-July-2019	30-July-2019	30-Sept-19	Scope is being finalised
Construction & upgradation of Infrastructure in Thuruthy,	7424	350	Feasibility report submitted	27-Sept-2019	-	30-Mar-2019	30-May-2019	01-June-2019	15-June-2019	30-July-2019	Approval awaited

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Broadway Street	11000	1000	Feasibility Report Submitted. Confirmation awaited	15-Oct-18	-	30-April-2019	15-June-2019	22-June - 2019	15-July-2019	15-Sept-2019	Approval awaited
Ernakulam Market Redevelopment		10000	Feasibility Report Submitted, Confirmation awaited	19-Sep-18	-	30-April-2019	15-June-2019	22-June - 2019	15-July-2019	15-Sept-2019	Approval awaited
Mattancherry spice market Redevelopment			Concept Stage								Scope of the work is being finalised
Standard Hawker zones in Fort Kochi + Standardize structures for "Petti Kada"	500	560	Concept Stage	30-Mar-2019	15-June-2019	27-Apr-2019	15-July-2019	15-June-2019	30-July-2019	30-Sept-2019	Scope of the work is being finalised
Cancer Extension Block, General Hospital.	3000	1700	LoA Issued to INKEL on nomination basis	10-Jul-18	-	-	-	-	-	30-June-2019	
Out Patient & Admin block, Fort Kochi taluk Hospital	1000	465	Tender issued	28-Feb-18	-	17-Mar-18 Rev- 30-Oct-18	-	07-Mar-2019	-	15-June-2019	

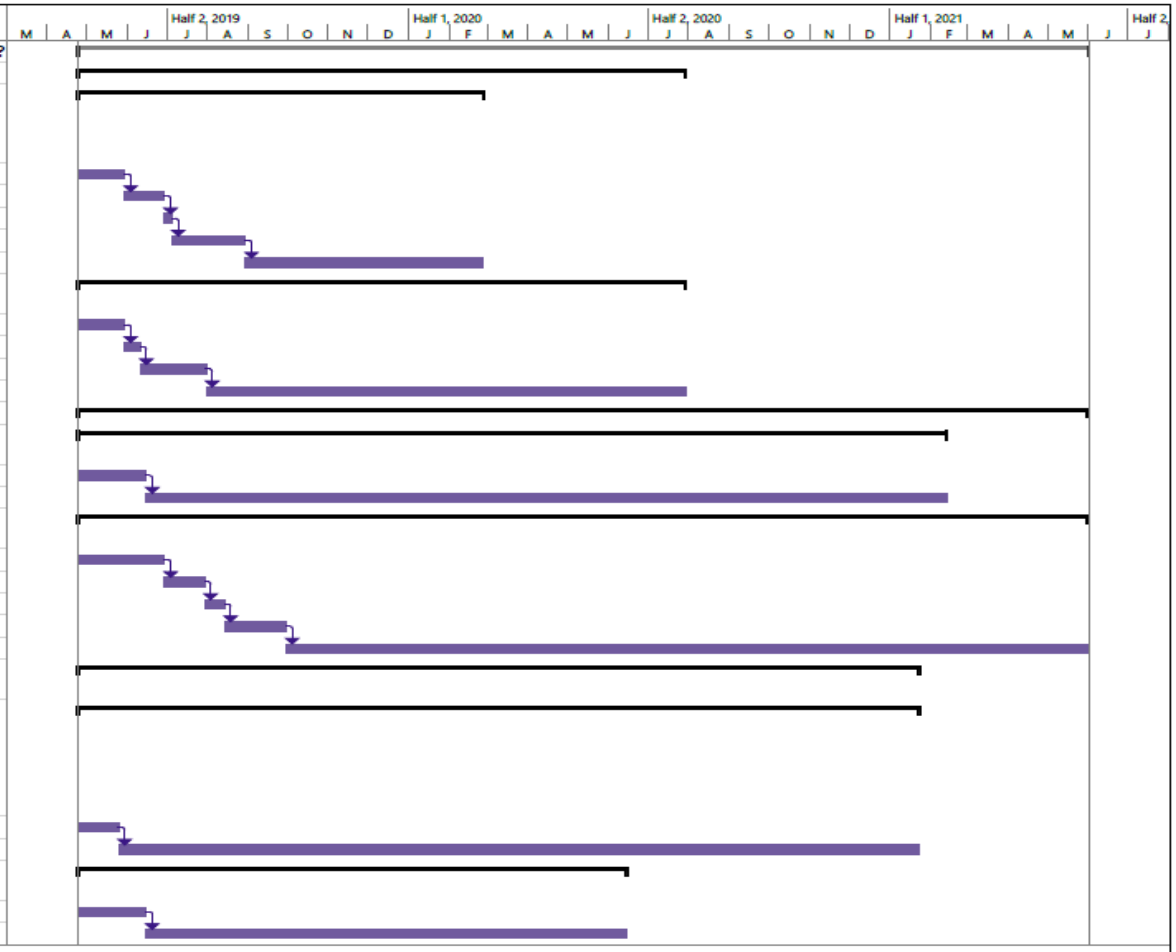
Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Out Patient & Admin block, Women & Child Hospital, Mattancherry		460	Tender issued	28-Feb-18		27-Jul-18 Rev- 13-Nov-18		07-Mar-2019	-	15-June-2019	
E-health solutions for selected hospitals		323	LoA issued	15-Sep-18		20-Dec-18/ 07-Feb-19	-			27-Feb-2019	
CIVIL - Anganwadis and public schools	450	100	Feasibility report under progress	28-Feb-2019	06-Apr-2019	30-Mar-2019	30-May-2019	30-Apr-2019	15-July-2019	02-Sept-2019	Scope of work is being finalised with the consultation with Stake Holders
Higher secondary block, Central Calvathy GHSS, Fort Kochi	100	460	Tender issued	Submitted on 28-Feb-18	-	15-07-2018/ 03-12-2018	-	28-Feb-2019	07-Mar-2019	15-June-2019	
CIVIL 1 - Mattancherry School - Higher Educational institutions			To be taken up based on fund availability	-	-	-	-	-	-	-	-
Smart Classroom for 100 classrooms PAN city		490	Tender cancelled	5-Feb-18	-	9-Feb-18	-	24-Feb-18	-	-	-

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
			Project put on hold.								
5 Rapid response boats for water transport safety	50	50	Scope being finalised with KMC	30-Mar-2019	30-June-2019	20-May-2019	30-July-2019	30-June-2019	14-Aug-2019	30-Sept-2019	Scope of work is being finalised with stakeholders.
Intelligent Crime Surveillance system	30	30	Feasibility report Submitted DPR Stage	21-Jan-2019	-	21-Mar-2019	-	28-Feb-2019	30-May-2019	14-Aug-2019	
Upgradation of Community Centre at Mattancherry with indoor sports facilities	100	100	Scope is being finalised with KMC	30-Mar-2019	15-June-2019	10-May-2019	15-July-2019	30-June-19	30-July-19	30-Sept-2019	Scope is being finalised with KMC
Implementation of identified Tourism related projects in Fort Kochi & Mattancherry	3000	3000									
Open Air theatre at Fort Kochi		110	Tender issued	20-Aug-18 Rev- 10-Oct-18/ Rev- 06-Feb-2019		02-Feb-2019	-	07-Mar-2019	07-Mar-2019	15-Jun-2019	

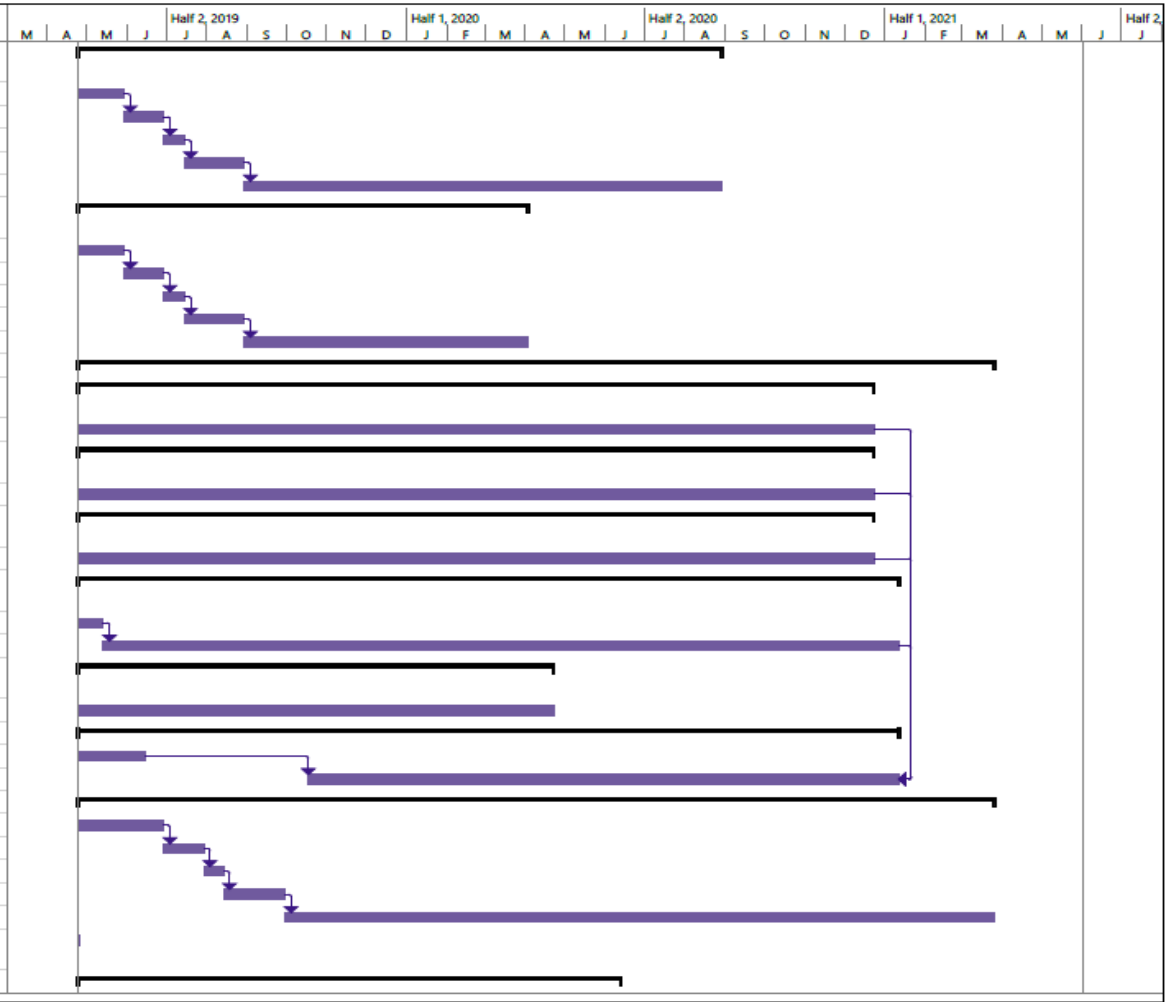
Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Museums of Freedom Struggle		120	Feasibility Report submitted	20-Dec-2018	-	30-Apri-2019	30-May-2019	01-June-2019	15-June-2019	30-July-2019	RFP under preparation
Museums of spices		150	Feasibility Report submitted	20-Dec-2018	-	30-Apri-2019	15-June-2019	01-June-2019	15-July-2019	30-July-2019	Building confirmation awaited
Development of Ethnic Food Hub & Dutch Quay Upgradation		300 (PPP)	Feasibility Report submitted	20-Dec-2018		20-Feb-2019	-				
Development of Dutch palace node parking area and palace street entry		110	Tender issued	20-Dec-2018	-	20-Feb-2019	-	7-Mar-2019		15-June-2019	
Fort Kochi Beach Front improvements - Vasco Square		158	Tender issued	20-Dec-2018		28-Feb-2019	-	07-Mar-2019		15-June-2019	
Fort Kochi Beach Front improvements - Phase II		842	Feasibility report Submitted			28-Feb-2019	-	28-Feb-19	01-June-2019	30-July-2019	
Mattancherry Walkway		1100	Feasibility report Submitted	20-Dec-2018		02-Feb-2019	15-June-2019	01-June-2019	15-July-2019	30-Sept-2019	Approval awaited. Stakeholder consultations to be conducted

Name of Project - REVISED SCP Projectivisation	Original Project Cost as per SCP (Rs. in Lakh)	Clubbed / Segregated/ Estimated Cost (Rs. in Lakh)	Stage of project	Submission/Timeline Feasibility Report		Submission/Timeline DPR		Submission/Timeline Tender		Proposed Contract Award timeline	Reason for Delay
				As per March 2019	Proposed Revised Timeline	As per March 2019	Proposed Revised - Timeline	As per March 2019	Proposed Revised Timeline		
Developing a Water & Adventure sports center at Marine drive		100	Feasibility report Submitted	08-Nov-2018 24-Dec-12		30-Mar-2019	15-June-2019	30-Jan-19	15-July-2019	16-Sept-2019	
Multimedia based Light & Sound show		500	Feasibility Stage	28-Feb-2019	30-May-2019	28-Feb-2019	15-June-2019	28-Feb-19	15-July-2019	16-Sept-2019	Scope is being finalised
Art Installations/Cultural Corridor in Kochi		100	Feasibility Stage	30-Jan-19	30-May-2019	28-Feb-2019	15-June-2019	28-Feb-19	15-July-2019	16-Sept-2019	
Spatial Mapping of assets and SCADA systems for Information gathering with monitoring centres	1500	50	DPR Submitted		-	21-Dec-2018	-	30-Jan-19	15-July-2019	16-Sept-2019	

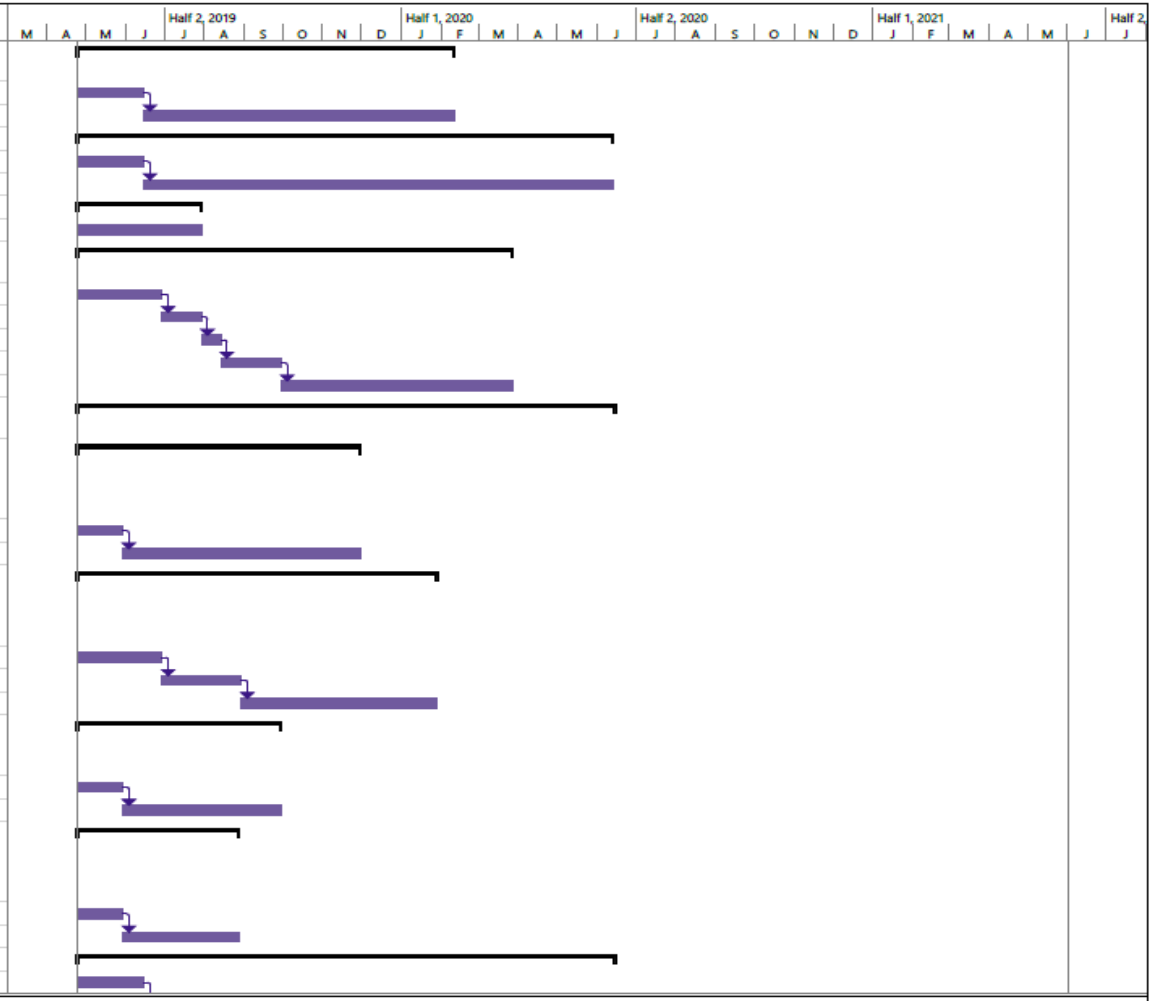
ID	WBS	Task Name	Start	Finish	Duration
0	0	Kochi SCP Schedule 25-04-19	25-04-19	01-06-21	631 days?
1	1	Module 1 - Water Supply	25-04-19	30-07-20	382 days
2	1.1	Smart Water solutions - Proof of concept for Smart Metering and smart valves for approx 1000 connections to link with IC4	25-04-19	27-02-20	254 days
3	1.1.1	Feasibility Report	25-04-19	30-05-19	29 days
4	1.1.2	DPR	30-05-19	29-06-19	25 days
5	1.1.3	RFP	29-06-19	05-07-19	5 days
6	1.1.4	Contract Award	05-07-19	30-08-19	46 days
7	1.1.5	Implementation	30-08-19	27-02-20	149 days
8	1.2	Rainwater harvesting structures in 13 Govt bldgs & Institutions	25-04-19	30-07-20	382 days
9	1.2.1	DPR	25-04-19	30-05-19	29 days
10	1.2.2	RFP	30-05-19	11-06-19	9 days
11	1.2.3	Contract Award	11-06-19	31-07-19	43 days
12	1.2.4	Implementation	31-07-19	30-07-20	301 days
13	2	Module 2 - UGSS	25-04-19	31-05-21	630 days
14	2.1	Improvements to sewer collection system for West Kochi	25-04-19	13-02-21	544 days
15	2.1.1	Contract Award	25-04-19	15-06-19	42 days
16	2.1.2	Implementation	15-06-19	13-02-21	502 days
17	2.2	Improvements to sewer collection system for Mainland	25-04-19	31-05-21	630 days
18	2.2.1	Feasibility Report	25-04-19	29-06-19	54 days
19	2.2.2	DPR	29-06-19	30-07-19	26 days
20	2.2.3	RFP	30-07-19	14-08-19	13 days
21	2.2.4	Contract Award	14-08-19	30-09-19	36 days
22	2.2.5	Implementation	30-09-19	31-05-21	501 days
23	3	Module 3 - NMT Roads and Pedestrianized areas	25-04-19	23-01-21	527 days
24	3.1	Relaying of Roads + Standard Footpaths including signages + Restoration/ Rehabilitation of Stormwater drains in the proposed area of approx 45 KM identified	25-04-19	23-01-21	527 days
25	3.1.1	Contract Award	25-04-19	25-05-19	25 days
26	3.1.2	Implementation	25-05-19	23-01-21	502 days
27	3.2	MLCP and Commercial complex at Kacheripady	25-04-19	15-06-20	343 days
28	3.2.1	Contract Award	25-04-19	15-06-19	42 days
29	3.2.2	Implementation	15-06-19	15-06-20	301 days



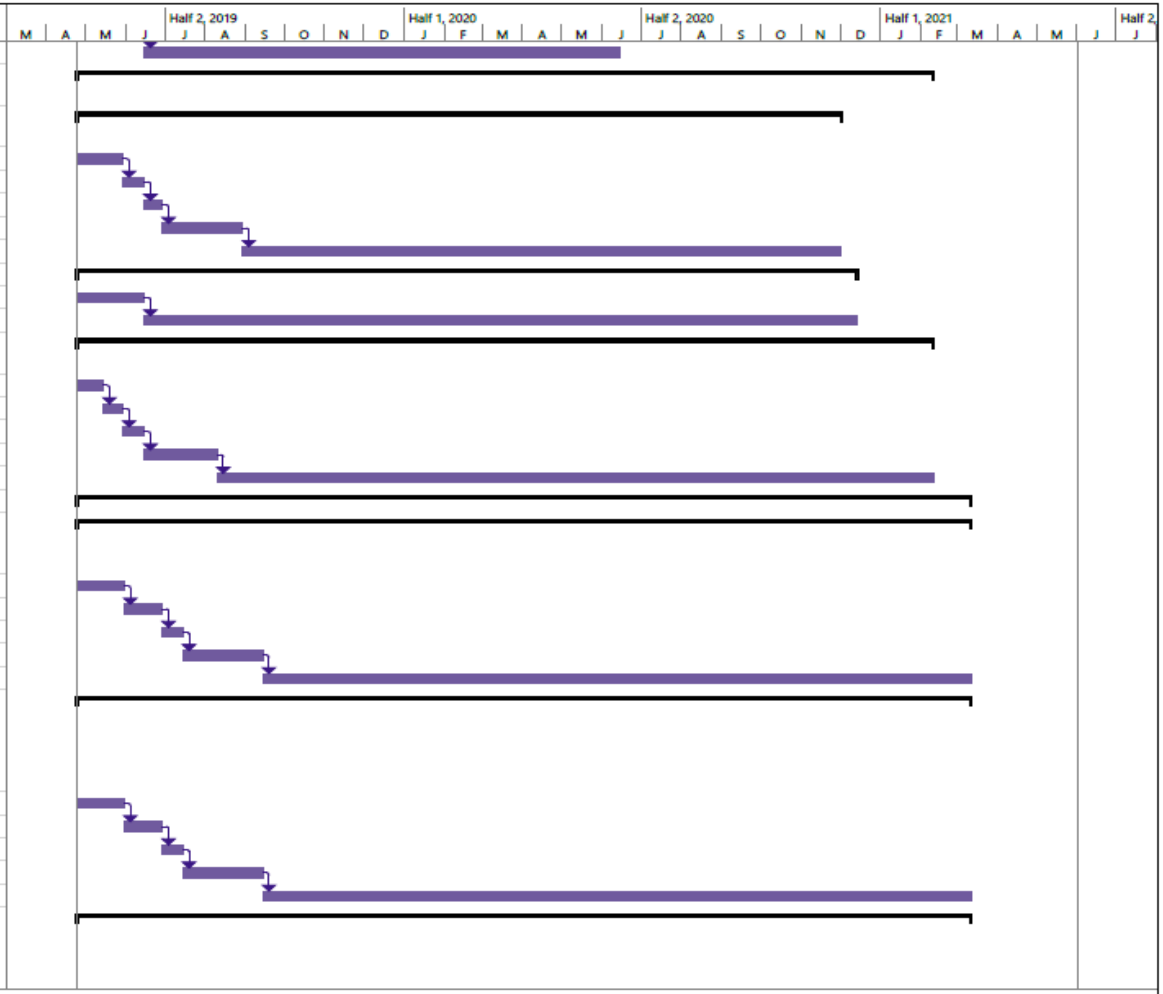
ID	WBS	Task Name	Start	Finish	Duration
30	**3.3**	**MLCP at GCDA land at Marine Drive & KTDC Complex at Menaka**	**25-04-19**	**29-08-20**	**406 days**
31	3.3.1	Feasibility Report	25-04-19	30-05-19	29 days
32	3.3.2	DPR	30-05-19	29-06-19	25 days
33	3.3.3	RFP	29-06-19	15-07-19	13 days
34	3.3.4	Contract Award	15-07-19	30-08-19	38 days
35	3.3.5	Implementation	30-08-19	29-08-20	301 days
36	**3.4**	**Smart parking Solutions in ABD Area**	**25-04-19**	**03-04-20**	**285 days**
37	3.4.1	Feasibility Report	25-04-19	30-05-19	29 days
38	3.4.2	DPR	30-05-19	29-06-19	25 days
39	3.4.3	RFP	29-06-19	15-07-19	13 days
40	3.4.4	Contract Award	15-07-19	30-08-19	38 days
41	3.4.5	Implementation	30-08-19	03-04-20	180 days
42	**4**	**Module 4 - Main Roads**	**25-04-19**	**26-03-21**	**579 days**
43	**4.1**	**Development of Smart Roads in Ernakulam under Smart City**	**25-04-19**	**24-12-20**	**502 days**
44	4.1.1	Implementation	25-04-19	24-12-20	502 days
45	**4.2**	**Development of Other Roads in Ernakulam under Smart City**	**25-04-19**	**24-12-20**	**502 days**
46	4.2.1	Implementation	25-04-19	24-12-20	502 days
47	**4.3**	**Development of Smart Roads in West Kochi under Smart City**	**25-04-19**	**24-12-20**	**502 days**
48	4.3.1	Implementation	25-04-19	24-12-20	502 days
49	**4.4**	**Development of Other Roads in West Kochi under Smart City**	**25-04-19**	**12-01-21**	**517 days**
50	4.4.1	Contract Award	25-04-19	14-05-19	15 days
51	4.4.2	Implementation	14-05-19	12-01-21	502 days
52	**4.5**	**Integrated Traffic Management Systems (ITMS)**	**25-04-19**	**23-04-20**	**299 days**
53	4.5.1	Implementation	25-04-19	23-04-20	299 days
54	**4.6**	**Signages**	**25-04-19**	**12-01-21**	**517 days**
55	4.6.1	Contract Award	25-04-19	15-06-19	42 days
56	4.6.2	Implementation	18-10-19	12-01-21	375 days
57	**4.7**	**Escalator FOBs**	**25-04-19**	**26-03-21**	**579 days**
58	4.7.1	Feasibility Report	25-04-19	29-06-19	54 days
59	4.7.2	DPR	29-06-19	30-07-19	26 days
60	4.7.3	RFP	30-07-19	14-08-19	13 days
61	4.7.4	Contract Award	14-08-19	30-09-19	36 days
62	4.7.5	Implementation	30-09-19	26-03-21	450 days
63	5	Module 5 - Energy Supply (Combined as a part of Module 4)	25-04-19	26-04-19	1 day?
64	**6**	**Module 6 - Energy Efficiency**	**25-04-19**	**13-06-20**	**342 days**



ID	WBS	Task Name	Start	Finish	Duration
65	**6.1**	**Implementation of Smart LED Lighting in ABD area**	**25-04-19**	**11-02-20**	**240 days**
66	6.1.1	Contract Award	25-04-19	15-06-19	42 days
67	6.1.2	Implementation	15-06-19	11-02-20	198 days
68	**6.2**	**Intelligent Street Poles**	**25-04-19**	**13-06-20**	**342 days**
69	6.2.1	Contract Award	25-04-19	15-06-19	42 days
70	6.2.2	Implementation	15-06-19	13-06-20	300 days
71	**6.3**	**Solar panels in Govt. buildings**	**25-04-19**	**30-07-19**	**80 days**
72	6.3.1	Implementation	25-04-19	30-07-19	80 days
73	**6.4**	**Solar panels in public places (Canals, parks etc)**	**25-04-19**	**27-03-20**	**279 days**
74	6.4.1	Feasibility Report	25-04-19	29-06-19	54 days
75	6.4.2	DPR	29-06-19	30-07-19	26 days
76	6.4.3	RFP	30-07-19	14-08-19	13 days
77	6.4.4	Contract Award	14-08-19	30-09-19	36 days
78	6.4.5	Implementation	30-09-19	27-03-20	150 days
79	**7**	**Module 7 - Solid Waste and Sanitation**	**25-04-19**	**15-06-20**	**343 days**
80	**7.1**	**Supply, Operation and Maintenance of Portable Compactor for Secondary Storage & Transportation of Solid Waste**	**25-04-19**	**30-11-19**	**179 days**
81	7.1.1	Contract Award	25-04-19	30-05-19	29 days
82	7.1.2	Implementation	30-05-19	30-11-19	150 days
83	**7.2**	**Smart & Improved Battery-Operated Tricycles for Primary Waste Collection at West Kochi & Ernakulam in ABD Area**	**25-04-19**	**29-01-20**	**229 days**
84	7.2.1	RFP	25-04-19	29-06-19	54 days
85	7.2.2	Contract Award	29-06-19	30-08-19	51 days
86	7.2.3	Implementation	30-08-19	29-01-20	124 days
87	**7.3**	**Smart & Improved Mechanised Street Sweeping at West Kochi & Ernakulam in ABD area**	**25-04-19**	**30-09-19**	**129 days**
88	7.3.1	Contract Award	25-04-19	30-05-19	29 days
89	7.3.2	Implementation	30-05-19	30-09-19	100 days
90	**7.4**	**Distribution of Household Bins & Street Litter Bins for improvement of waste segregation in ABD Area**	**25-04-19**	**28-08-19**	**103 days**
91	7.4.1	Contract Award	25-04-19	30-05-19	29 days
92	7.4.2	Implementation	30-05-19	28-08-19	74 days
93	**7.5**	**Public toilets in ABD Area**	**25-04-19**	**15-06-20**	**343 days**
94	7.5.1	Contract Award	25-04-19	15-06-19	42 days

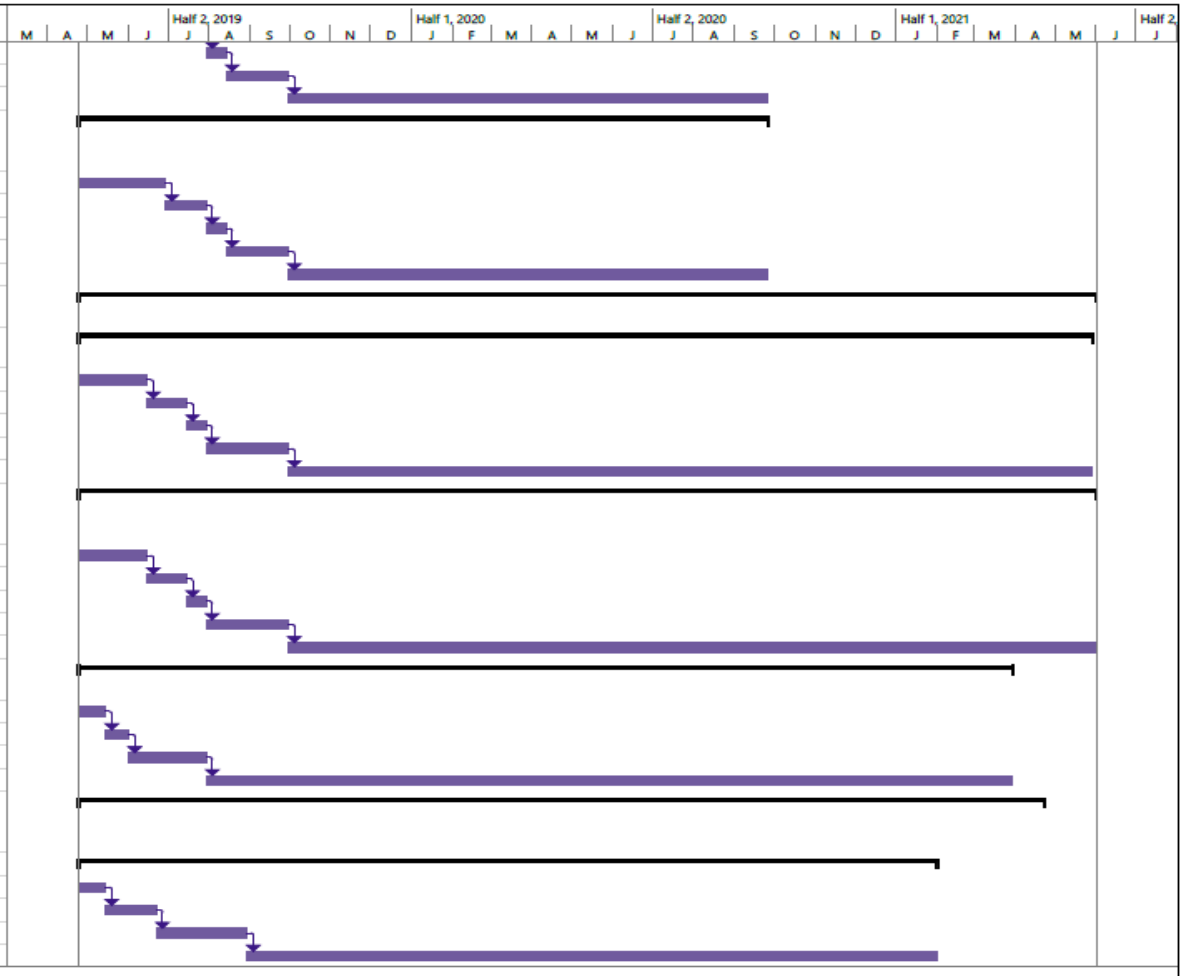


ID	WBS	Task Name	Start	Finish	Duration
95	7.5.2	Implementation	15-06-19	15-06-20	301 days
96	**8**	**Module 8 - Parks and Open Spaces**	**25-04-19**	**11-02-21**	**542 days**
97	**8.1**	**Development of open spaces and playgrounds**	**25-04-19**	**02-12-20**	**483 days**
98	8.1.1	Feasibility Report	25-04-19	30-05-19	29 days
99	8.1.2	DPR	30-05-19	15-06-19	13 days
100	8.1.3	RFP	15-06-19	29-06-19	12 days
101	8.1.4	Contract Award	29-06-19	30-08-19	51 days
102	8.1.5	Implementation	30-08-19	02-12-20	378 days
103	**8.2**	**Marine Drive Walkway Phase I**	**25-04-19**	**14-12-20**	**493 days**
104	8.2.1	Contract Award	25-04-19	15-06-19	42 days
105	8.2.2	Implementation	15-06-19	14-12-20	451 days
106	**8.3**	**Mangalavanam Eco-restoration project**	**25-04-19**	**11-02-21**	**542 days**
107	8.3.1	Feasibility Report	25-04-19	15-05-19	16 days
108	8.3.2	DPR	15-05-19	30-05-19	13 days
109	8.3.3	RFP	30-05-19	15-06-19	13 days
110	8.3.4	Contract Award	15-06-19	10-08-19	48 days
111	8.3.5	Implementation	10-08-19	11-02-21	452 days
112	**9**	**Module 9 - Canal Restoration**	**25-04-19**	**12-03-21**	**567 days**
113	**9.1**	**Restoration of Mullassery canal - including linking of standardized area drains**	**25-04-19**	**12-03-21**	**567 days**
114	9.1.1	Feasibility Report	25-04-19	31-05-19	30 days
115	9.1.2	DPR	31-05-19	29-06-19	24 days
116	9.1.3	RFP	29-06-19	15-07-19	13 days
117	9.1.4	Contract Award	15-07-19	14-09-19	49 days
118	9.1.5	Implementation	14-09-19	12-03-21	451 days
119	**9.2**	**Restoration of Market canal - Walkways and Market square around the canal pond, Solar paneled roofs, LED Lighting, Light posts**	**25-04-19**	**12-03-21**	**567 days**
120	9.2.1	Feasibility Report	25-04-19	31-05-19	30 days
121	9.2.2	DPR	31-05-19	29-06-19	24 days
122	9.2.3	RFP	29-06-19	15-07-19	13 days
123	9.2.4	Contract Award	15-07-19	14-09-19	49 days
124	9.2.5	Implementation	14-09-19	12-03-21	451 days
125	**9.3**	**Restoration of Kalvathy canal and area drain improvement - Open spaces, Street furniture and landscaping features**	**25-04-19**	**12-03-21**	**567 days**

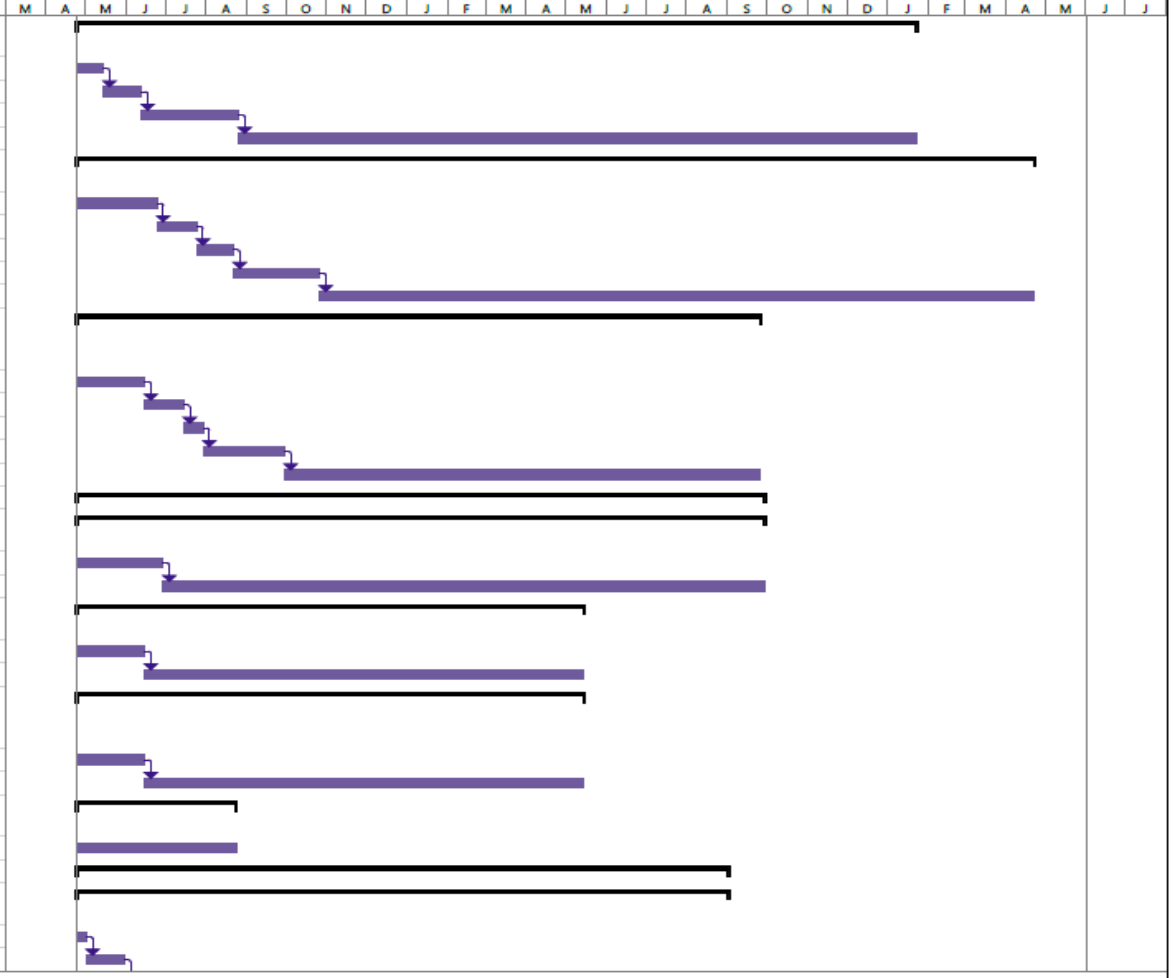


ID	WBS	Task Name	Start	Finish	Duration
126	9.3.1	Feasibility Report	25-04-19	31-05-19	30 days
127	9.3.2	DPR	31-05-19	29-06-19	24 days
128	9.3.3	RFP	29-06-19	15-07-19	13 days
129	9.3.4	Contract Award	15-07-19	14-09-19	49 days
130	9.3.5	Implementation	14-09-19	12-03-21	451 days
131	**9.4**	**Restoration of Rameswaram-Kalvathy canal - Upto Cochin college – Walkways and Linking the Canal Bank Road**	**25-04-19**	**12-03-21**	**567 days**
132	9.4.1	Feasibility Report	25-04-19	31-05-19	30 days
133	9.4.2	DPR	31-05-19	29-06-19	24 days
134	9.4.3	RFP	29-06-19	15-07-19	13 days
135	9.4.4	Contract Award	15-07-19	14-09-19	49 days
136	9.4.5	Implementation	14-09-19	12-03-21	451 days
137	**10**	**Module 10 - Urban Mobility (Multi Modal Transport)**	**25-04-19**	**31-12-20**	**507 days**
138	**10.1**	**Electric Feeders**	**25-04-19**	**29-06-20**	**355 days**
139	10.1.1	Feasibility Report	25-04-19	15-06-19	42 days
140	10.1.2	DPR	15-06-19	15-07-19	25 days
141	10.1.3	RFP	15-07-19	30-07-19	13 days
142	10.1.4	Contract Award	30-07-19	30-09-19	49 days
143	10.1.5	Implementation	30-09-19	29-06-20	226 days
144	**10.2**	**Public Bicycle Sharing**	**25-04-19**	**21-08-19**	**98 days**
145	10.2.1	Implementation	25-04-19	21-08-19	98 days
146	**10.3**	**Elevated Walkways and Travelator**	**25-04-19**	**31-12-20**	**507 days**
147	10.3.1	Feasibility Report	25-04-19	29-06-19	54 days
148	10.3.2	DPR	29-06-19	30-07-19	26 days
149	10.3.3	RFP	30-07-19	14-08-19	13 days
150	10.3.4	Contract Award	14-08-19	30-09-19	36 days
151	10.3.5	Implementation	30-09-19	31-12-20	378 days
152	**10.4**	**Walkway from Ekm Jetty to Metro station**	**25-04-19**	**24-07-19**	**75 days**
153	10.4.1	Implementation	25-04-19	24-07-19	75 days
154	**10.5**	**Integrated Command, Control and Communication Centre (IC4)**	**25-04-19**	**23-01-20**	**224 days**
155	10.5.1	Contract Award	25-04-19	11-05-19	13 days
156	10.5.2	Implementation	11-05-19	23-01-20	211 days
157	**10.6**	**Extend 'Smart Wi-Fi bus shelters' with LED bulbs, FM radio, USB drive slots, magazine/newspaper kiosks, mobile charger units**	**25-04-19**	**26-09-20**	**429 days**
158	10.6.1	Feasibility Report	25-04-19	29-06-19	54 days
159	10.6.2	DPR	29-06-19	30-07-19	26 days

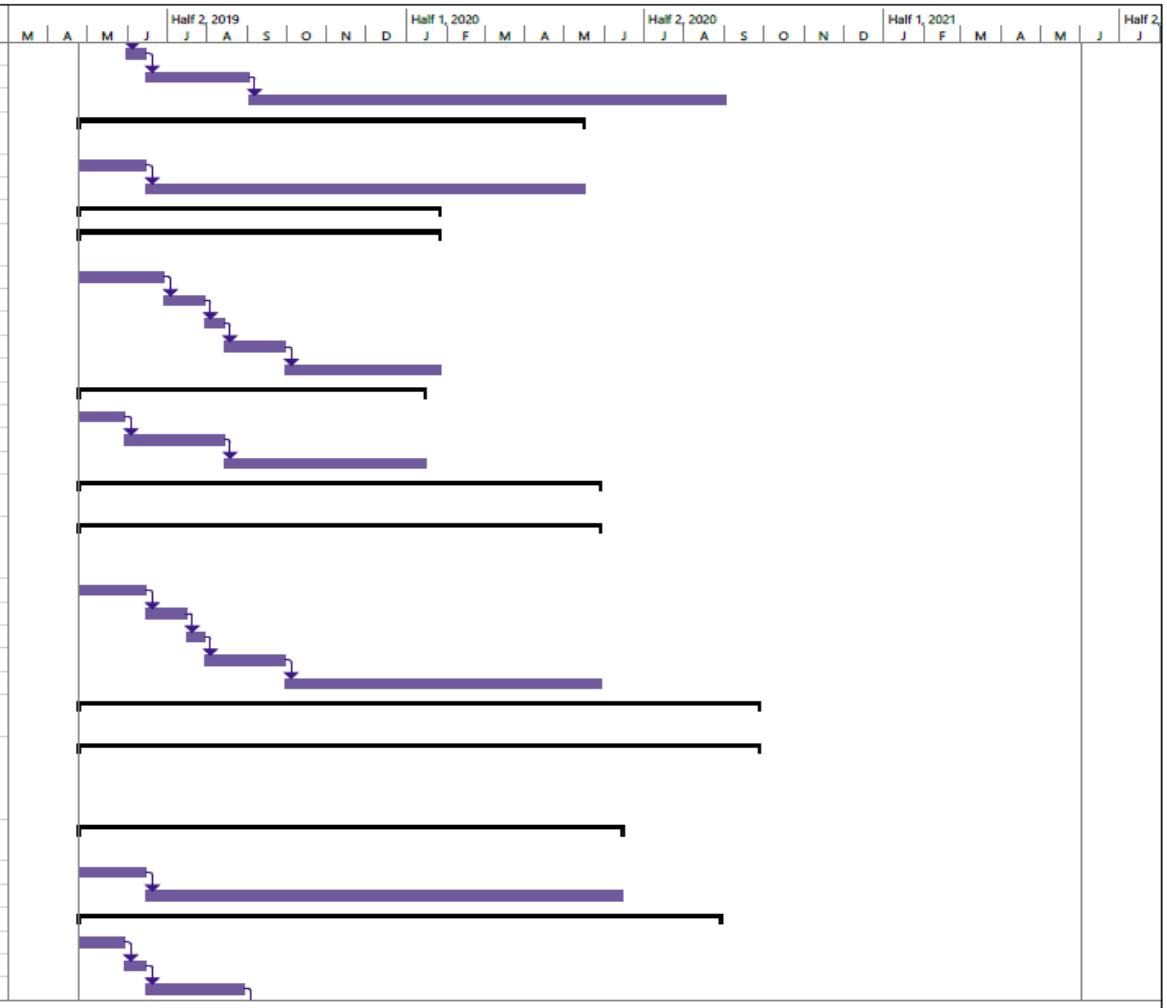
ID	WBS	Task Name	Start	Finish	Duration
160	10.6.3	RFP	30-07-19	14-08-19	13 days
161	10.6.4	Contract Award	14-08-19	30-09-19	36 days
162	10.6.5	Implementation	30-09-19	26-09-20	300 days
163	**10.7**	**Standard Wifi Enabled Bus Stands with Commercial space development**	**25-04-19**	**26-09-20**	**429 days**
164	10.7.1	Feasibility Report	25-04-19	29-06-19	54 days
165	10.7.2	DPR	29-06-19	30-07-19	26 days
166	10.7.3	RFP	30-07-19	14-08-19	13 days
167	10.7.4	Contract Award	14-08-19	30-09-19	36 days
168	10.7.5	Implementation	30-09-19	26-09-20	300 days
169	**11**	**Module 11 - Housing (Urban Planning)**	**25-04-19**	**01-06-21**	**631 days**
170	**11.1**	**Integrated redevelopment of Slum housing**	**25-04-19**	**29-05-21**	**629 days**
171	11.1.1	Feasibility Report	25-04-19	15-06-19	42 days
172	11.1.2	DPR	15-06-19	15-07-19	25 days
173	11.1.3	RFP	15-07-19	30-07-19	13 days
174	11.1.4	Contract Award	30-07-19	30-09-19	49 days
175	11.1.5	Implementation	30-09-19	29-05-21	500 days
176	**11.2**	**Upgradation of infrastructure in Housing through Credit linked schemes**	**25-04-19**	**01-06-21**	**631 days**
177	11.2.1	Feasibility Report	25-04-19	15-06-19	42 days
178	11.2.2	DPR	15-06-19	15-07-19	25 days
179	11.2.3	RFP	15-07-19	30-07-19	13 days
180	11.2.4	Contract Award	30-07-19	30-09-19	49 days
181	11.2.5	Implementation	30-09-19	01-06-21	502 days
182	**11.3**	**Construction & upgradation of infrastructure in Thuruthy**	**25-04-19**	**30-03-21**	**582 days**
183	11.3.1	DPR	25-04-19	15-05-19	16 days
184	11.3.2	RFP	15-05-19	01-06-19	15 days
185	11.3.3	Contract Award	01-06-19	30-07-19	49 days
186	11.3.4	Implementation	30-07-19	30-03-21	502 days
187	**12**	**Module 12 - Economy and Employment (Central City Urban Renewal & Mkt Dev)**	**25-04-19**	**23-04-21**	**600 days**
188	**12.1**	**Broadway Street**	**25-04-19**	**01-02-21**	**533 days**
189	12.1.1	DPR	25-04-19	15-05-19	16 days
190	12.1.2	RFP	15-05-19	22-06-19	32 days
191	12.1.3	Contract Award	22-06-19	30-08-19	57 days
192	12.1.4	Implementation	30-08-19	01-02-21	428 days



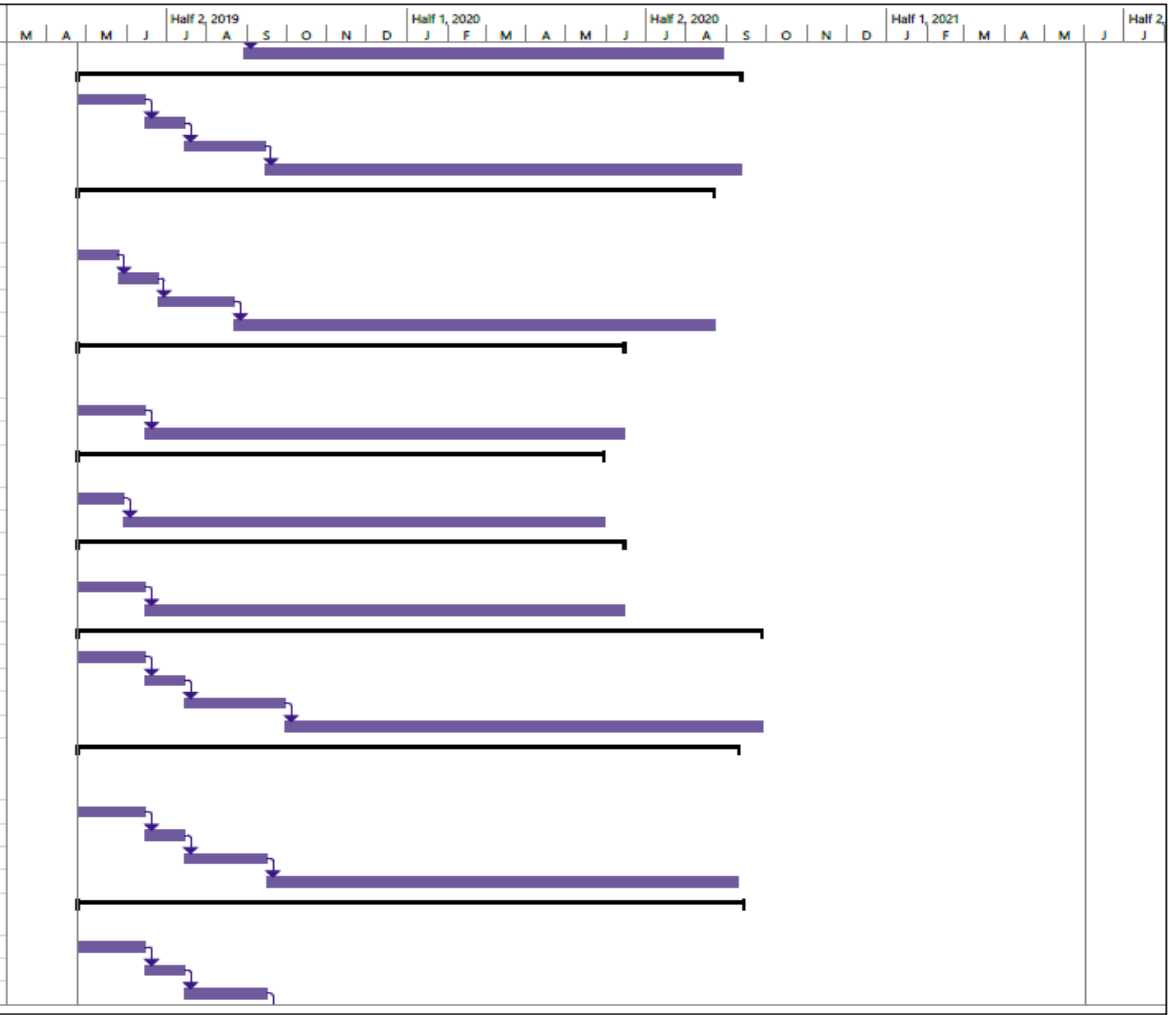
ID	WBS	Task Name	Start	Finish	Duration
193	**12.2**	**Ernakulam Market Redevelopment**	**25-04-19**	**23-01-21**	**527 days**
194	12.2.1	DPR	25-04-19	15-05-19	16 days
195	12.2.2	RFP	15-05-19	13-06-19	24 days
196	12.2.3	Contract Award	13-06-19	26-08-19	61 days
197	12.2.4	Implementation	26-08-19	23-01-21	426 days
198	**12.3**	**Mattancherry spice market Redevelopment**	**25-04-19**	**23-04-21**	**600 days**
199	12.3.1	Feasibility Report	25-04-19	25-06-19	50 days
200	12.3.2	DPR	25-06-19	25-07-19	26 days
201	12.3.3	RFP	25-07-19	22-08-19	23 days
202	12.3.4	Contract Award	22-08-19	26-10-19	50 days
203	12.3.5	Implementation	26-10-19	23-04-21	451 days
204	**12.4**	**Standard Hawker zones in Fort Kochi + Standardize structures for "Petti Kada"**	**25-04-19**	**26-09-20**	**429 days**
205	12.4.1	Feasibility Report	25-04-19	15-06-19	42 days
206	12.4.2	DPR	15-06-19	15-07-19	25 days
207	12.4.3	RFP	15-07-19	30-07-19	13 days
208	12.4.4	Contract Award	30-07-19	30-09-19	49 days
209	12.4.5	Implementation	30-09-19	26-09-20	300 days
210	**13**	**Module 13 - Health**	**25-04-19**	**30-09-20**	**432 days**
211	**13.1**	**Cancer Extension Block, General Hospital.**	**25-04-19**	**30-09-20**	**432 days**
212	13.1.1	Contract Award	25-04-19	29-06-19	54 days
213	13.1.2	Implementation	29-06-19	30-09-20	378 days
214	**13.2**	**Out Patient & Admin block, Fort Kochi taluk Hospital**	**25-04-19**	**15-05-20**	**317 days**
215	13.2.1	Contract Award	25-04-19	15-06-19	42 days
216	13.2.2	Implementation	15-06-19	15-05-20	275 days
217	**13.3**	**Out Patient & Admin block, Women & Child Hospital, Mattancherry**	**25-04-19**	**15-05-20**	**317 days**
218	13.3.1	Contract Award	25-04-19	15-06-19	42 days
219	13.3.2	Implementation	15-06-19	15-05-20	275 days
220	**13.4**	**E-health solutions for selected hospitals**	**25-04-19**	**24-08-19**	**100 days**
221	13.4.1	Implementation	25-04-19	24-08-19	100 days
222	**14**	**Module 14 - Education**	**25-04-19**	**02-09-20**	**408 days**
223	**14.1**	**CIVIL - Anganwadis and public schools**	**25-04-19**	**02-09-20**	**408 days**
224	14.1.1	Feasibility Report	25-04-19	02-05-19	5 days
225	14.1.2	DPR	02-05-19	31-05-19	25 days



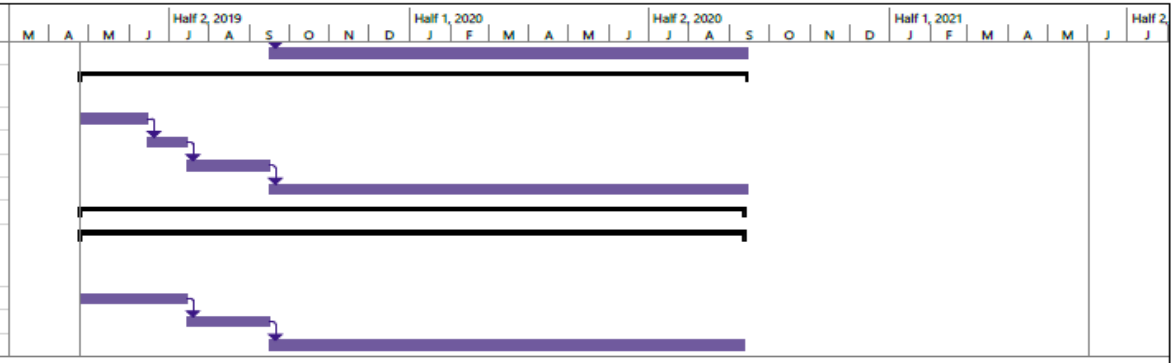
ID	WBS	Task Name	Start	Finish	Duration
226	14.1.3	RFP	31-05-19	15-06-19	12 days
227	14.1.4	Contract Award	15-06-19	02-09-19	65 days
228	14.1.5	Implementation	02-09-19	02-09-20	301 days
229	**14.2**	**Higher secondary block, Central Calvathy GHSS, Fort Kochi**	**25-04-19**	**16-05-20**	**318 days**
230	14.2.1	Contract Award	25-04-19	15-06-19	42 days
231	14.2.2	Implementation	15-06-19	16-05-20	276 days
232	**15**	**Module 15 - Safety and Security**	**25-04-19**	**27-01-20**	**227 days**
233	**15.1**	**5 Rapid response boats for water transport safety**	**25-04-19**	**27-01-20**	**227 days**
234	15.1.1	Feasibility Report	25-04-19	29-06-19	54 days
235	15.1.2	DPR	29-06-19	30-07-19	26 days
236	15.1.3	RFP	30-07-19	14-08-19	13 days
237	15.1.4	Contract Award	14-08-19	30-09-19	36 days
238	15.1.5	Implementation	30-09-19	27-01-20	98 days
239	**15.2**	**Intelligent Crime Surveillance syste**	**25-04-19**	**16-01-20**	**218 days**
240	15.2.1	RFP	25-04-19	30-05-19	29 days
241	15.2.2	Contract Award	30-05-19	14-08-19	64 days
242	15.2.3	Implementation	14-08-19	16-01-20	125 days
243	**16**	**Module 16 - Other Social Infrastructure**	**25-04-19**	**29-05-20**	**329 days**
244	**16.1**	**Upgradation of Community Centre at Mattancherry with indoor sports facilities**	**25-04-19**	**29-05-20**	**329 days**
245	16.1.1	Feasibility Report	25-04-19	15-06-19	42 days
246	16.1.2	DPR	15-06-19	16-07-19	26 days
247	16.1.3	RFP	16-07-19	30-07-19	12 days
248	16.1.4	Contract Award	30-07-19	30-09-19	49 days
249	16.1.5	Implementation	30-09-19	29-05-20	200 days
250	**17**	**Module 17 - Identity & Culture (Heritage and Tourism)**	**25-04-19**	**28-09-20**	**430 days**
251	**17.1**	**Implementation of identified Tourism related projects in Fort Kochi & Mattancherry**	**25-04-19**	**28-09-20**	**430 days**
252	**17.1.1**	**Open Air Theatre at Fort Kochi Zonal office**	**25-04-19**	**15-06-20**	**343 days**
253	17.1.1.1	Contract Award	25-04-19	15-06-19	42 days
254	17.1.1.2	Implementation	15-06-19	15-06-20	301 days
255	**17.1.2**	**Museum of Freedom Struggle**	**25-04-19**	**29-08-20**	**406 days**
256	17.1.2.1	DPR	25-04-19	30-05-19	29 days
257	17.1.2.2	RFP	30-05-19	15-06-19	13 days
258	17.1.2.3	Contract Award	15-06-19	30-08-19	63 days



ID	WBS	Task Name	Start	Finish	Duration
259	17.1.2.4	Implementation	30-08-19	29-08-20	301 days
260	**17.1.3**	**Museum of Spices History**	**25-04-19**	**12-09-20**	**417 days**
261	17.1.3.1	DPR	25-04-19	15-06-19	42 days
262	17.1.3.2	RFP	15-06-19	15-07-19	25 days
263	17.1.3.3	Contract Award	15-07-19	14-09-19	49 days
264	17.1.3.4	Implementation	14-09-19	12-09-20	301 days
265	**17.1.4**	**Developmentof Ethnic Food Hub & Dutch Quay Upgradation**	**25-04-19**	**22-08-20**	**400 days**
266	17.1.4.1	DPR	25-04-19	25-05-19	25 days
267	17.1.4.2	RFP	25-05-19	25-06-19	25 days
268	17.1.4.3	Contract Award	25-06-19	22-08-19	49 days
269	17.1.4.4	Implementation	22-08-19	22-08-20	301 days
270	**17.1.5**	**Development of Dutch palace node parking area and palace street entry**	**25-04-19**	**15-06-20**	**343 days**
271	17.1.5.1	Contract Award	25-04-19	15-06-19	42 days
272	17.1.5.2	Implementation	15-06-19	15-06-20	301 days
273	**17.1.6**	**Fort Kochi Beach Front improvements - Vasco Square**	**25-04-19**	**30-05-20**	**330 days**
274	17.1.6.1	Contract Award	25-04-19	30-05-19	29 days
275	17.1.6.2	Implementation	30-05-19	30-05-20	301 days
276	**17.1.7**	**Fort Kochi Beach Front improvements - Phase II**	**25-04-19**	**15-06-20**	**343 days**
277	17.1.7.1	Contract Award	25-04-19	15-06-19	42 days
278	17.1.7.2	Implementation	15-06-19	15-06-20	301 days
279	**17.1.8**	**Mattancherry Walkway**	**25-04-19**	**28-09-20**	**430 days**
280	17.1.8.1	DPR	25-04-19	15-06-19	42 days
281	17.1.8.2	RFP	15-06-19	15-07-19	25 days
282	17.1.8.3	Contract Award	15-07-19	30-09-19	62 days
283	17.1.8.4	Implementation	30-09-19	28-09-20	301 days
284	**17.1.9**	**Developing a Water & Adventure sports center at Marine drive**	**25-04-19**	**10-09-20**	**415 days**
285	17.1.9.1	DPR	25-04-19	15-06-19	42 days
286	17.1.9.2	RFP	15-06-19	15-07-19	25 days
287	17.1.9.3	Contract Award	15-07-19	16-09-19	50 days
288	17.1.9.4	Implementation	16-09-19	10-09-20	298 days
289	**17.1.10**	**Art Installations in Kochi/Cultural Corridor**	**25-04-19**	**14-09-20**	**418 days**
290	17.1.10.1	DPR	25-04-19	15-06-19	42 days
291	17.1.10.2	RFP	15-06-19	15-07-19	25 days
292	17.1.10.3	Contract Award	15-07-19	16-09-19	50 days



ID	WBS	Task Name	Start	Finish	Duration
293	17.1.10.4	Implementation	16-09-19	14-09-20	301 days
294	**17.1.11**	**Multimedia based Light & Sound show**	**25-04-19**	**14-09-20**	**418 days**
295	17.1.11.1	DPR	25-04-19	15-06-19	42 days
296	17.1.11.2	RFP	15-06-19	15-07-19	25 days
297	17.1.11.3	Contract Award	15-07-19	16-09-19	50 days
298	17.1.11.4	Implementation	16-09-19	14-09-20	301 days
299	**18**	**Module 18 - Others**	**25-04-19**	**12-09-20**	**417 days**
300	**18.1**	**Spatial Mapping of assets and SCADA systems for Information gathering with monitoring**	**25-04-19**	**12-09-20**	**417 days**
301	18.1.1	RFP	25-04-19	15-07-19	67 days
302	18.1.2	Contract Award	15-07-19	16-09-19	50 days
303	18.1.3	Implementation	16-09-19	12-09-20	300 days



Project: Kochi SCP Schedule 25
Date: 25-04-19

Task | Project Summary | Manual Task | Start-only | Deadline
Split | Inactive Task | Duration-only | Finish-only | Progress
Milestone | Inactive Milestone | Manual Summary Rollup | External Tasks | Manual Progress
Summary | Inactive Summary | Manual Summary | External Milestone

3 WAY FORWARD

3.1 KEY CONCERNS

- No response from KMC in finalisation of vendors for Ernakulam market project
- No discussions from KMC regarding Broadway market project
- No response from KMC regarding housing project.

3.2 ISSUES AND CONCERNS

Identification of Project

- Projects & scope not yet identified
- PMC to carry out multiple meetings to identify & finalise scope of projects

Stakeholder management

- Once broad scope is identified stakeholders are informed
- Delayed response
- Continuous chasing required
- Change in project scope many times
- Multiple stakeholders within same organisation

KMC approvals & data

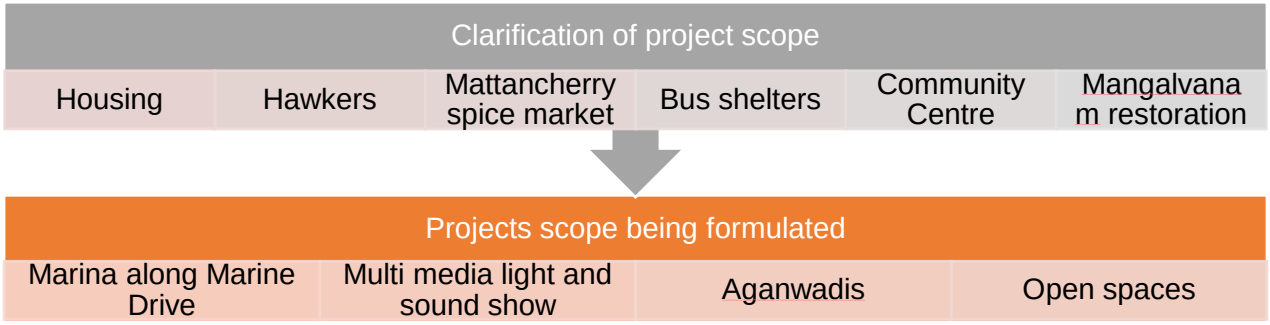
- List of beneficiaries
- List of hawkers
- List of slums
- Timely Site clearances

Tendered projects & to be awarded

- Process for taking permisisons requere purchase of forms, stamp papers for affidavit. CSML to purchse these forms as other stakehodlerls have not tendered thep rojects thus, unable show such costs
- Key agencies yet to appoint nodal person
- Nodal person to assist in provision of data, scope and approvals
- CSML to include nodal officers from key staekholder (owner of the project from the signing of the contract so that hand over at time of completion is easy and known to owner.

3.3 ASSISTANCE REQUIRED

Finalisation of project scope. As we will be entering another year of SCM we need to expedite project scope with stakeholders at the earliest.



3.4 OVERALL STAKEHOLDER ROLES & RESPONSIBILITIES

S. No.	Stakeholder	Responsibility
1.	Kochi Municipal Corporation (KMC)	► Council approval including review and suggestion on proposal ► Provision of rehabilitation land ► Conduct public consultations ► Relocation & rehabilitation (R&R) of existing vendors ► Carry out O&M post construction ► Event management ► Appointment of Nodal Officer for the Project
2.	Cochin Port Trust	► Approval for the navigational area, as it should not interfere with inland water routes etc. ► Approval for the projects within the jurisdiction of Cochin Port Trust
3.	District Collector	► Suggestions and approval of related projects
4.	Police Department	► Suggestions and approval of related projects
5.	Kerala Water Authority	► Integrating the proposed water metering & Sewerage system with KWA SCADA software
6.	Kerala State Electricity Board	► Approval of projects as applicable ► Approval and support in integrating the KSEB control room (APIs) with IC4 project ► Inspection during implementation of net meters
7.	RTO – Transport Department	► Sanctioning of permit and intermediate inspections
8.	District Tourism Promotion Council	► Promotion of tourism projects and open spaces projects
9.	State Water Transport Department	► Permission to go ahead with the pedestrian link between Ernakulam Jetty and Subhash Park
10.	Revenue Department	► Suggestions and approval of related projects within the jurisdiction of Department
11.	KMRL - Water Metro	► To incorporate continuous walkway through proposed boat jetties
12.	Kerala Irrigation Department	► Approval for utilizing canal surface for pumping stations ► Approval for discharging treated water into canal
13.	Cochin Heritage Zone Conservation Society	► Suggestion and approvals as required
14.	Fire & Rescue Department	► Sanctioning of permit and intermediate inspections

S. No.	Stakeholder	Responsibility
15.	Public, Residential Welfare Associations, NGOs, Social workers	► Public Participation in events organized.
16.	Food Safety and Standards Authority of India (FSSAI)	► Sanctioning of permit and intermediate inspections
17.	District Child Welfare Society	► Permission to go ahead with construction activity in Indira Priyadarshini Children's Park
18.	Vendor Associations	► Assistance with relocation & rehabilitation

ANNEXURES

ANNEXURE 1: STAKEHOLDER MEMOS

Minutes of the Meeting – eHealth implementation at General Hospital Ernakulam

Location: Superintendent's room **Date and Time**: 05.03.2019 11:00 AM

Agenda: CSML has given Letter Of Award (LOA) to Keltron for the implementation of eHealth solution at General Hospital Ernakulum. With regards to the LOA, CSML, General hospital Ernakulam and Keltron met to discuss about various aspects of project implementation.

Short note on the points discussed in the meeting :

1. Detailed discussions were held for the implementation of eHealth, support after implementation and eHealth training.

2. IT Manager-CSML informed that the internet charges will be paid for one year by CSML and after that hospital has to bear it.

3. CSML mentioned that the contract for the project will be between Keltron and CSML. Hospitals are usually not involved in the contract for eHealth implementation. Further to this, the Superintendent requested to make a MoU between CSML and General Hospital based specifying the term about the internet charges and 5 year manpower support from Keltron.

4. CSML and Superintendent insisted that 5 years in house support for hardware and network should be provided by Keltron as any system failure will affect the critical operations of the Hospital. Keltron finally agreed to provide **5 year 24x7 manpower support to General hospital** after the implementation of eHealth solution and agreed to add it as a clause in the tender notice.
5. CSML informed Keltron to raise tender notice within two days in order to avoid further delay by the imminent election notification.

6. Doctor from hospital side suggested for tablets instead of laptops during their ward visits. The suggestion has been taken for consideration by CSML.
   It was suggested by Superintendent and Dr.Haneesh to convene an all doctors meeting and project sensitization so that smooth implementation and future perspectives of the project can be discussed with the team of doctors. Based on the suggestion, it was requested to eHealth and Keltron to arrange a **Project Presentation** about the total solution provided by Keltron and eHealth where the Hardware & network infrastructure, eHealth perspective, patient work flow and doctors work flow are incorporated.

7. Superintendent mentioned that the eHealth training for the staffs should begin at the earliest.

8. Keltron mentioned that centralized UPS is not in scope of the project and UPS wiring will not be done by them. UPS is considered only for the desktop, high end workstations and servers.

Attended By:

- Dr.Anitha A,Superintendent,General Hospital
- Dr.Haneesh Meerasa,Assistant Surgeon, General Hospital
- Korath V.Mathew, IT Consultant PMC,CSML
- Binnya Joseph,IT Manager,CSML
- Manish,MIS expert,PMC,CSML
- Sunilraj S P,Engineer Keltron
- Rajesh G.Joseph, Engineer Keltron
- Sooraj C R, Engineer Keltron
- Arun Hareendran, Engineer Keltron
- Sheena K Pappachan,Asst.Programmer(IT), General Hospital
- Dinesh Kumar V, Network Supervisor, General Hospital

Memo No:	Department Name: Police Department
DIVISION /LOCATION	Inspector General of Police (IG) Office, Ernakulam
DATE AND TIME	06-03-2019,12.30 pm
Personnel met	Vijay Sakhare, IPS , Inspector General of Police & Dr.J.Himendranath IPS, DCP (Law & Order)
AGENDA	Discussion about CCTV camera locations and costing
SUMMARY	IG was pleased to know about the project and proposed to extend the project to entire PAN city and promised to lend all necessary support for the project.

Brief of meeting:
Intelligent Crime Surveillance System**:**

- The PMC team shows the camera locations identified in the joint survey with Kochi Police Department which is already marked in the Google Maps along with ITMS locations. Initial planning is to implement additional PTZ cameras at 135 locations along with 23 fixed cameras in the Kochi Municipal Corporation area. The surveillance system will also integrate the cameras identified under ITMS project.
- The IG of Police, Mr.Vijay Sakhare IPS reviewed all the locations. However the locations will be finalized by the police department at time of implementation.
- Presently the city does not have any Integrated Surveillance System. Hence the final objective is to use a surveillance system by Smart City, by integrating additional cameras in future. So the system should be capable of adding 2000 cameras in the future.
- He was also explained the benefits of cloud service for hosting and the Video Management System.
- He requested for the design of the Solution and approximate cost of the entire setup.

List of Attendees from Kochi Smart City Team:

S. No.	Name	Designation and Organization
1	Binnya Joseph	IT Manager, CSML
2	Korath V Mathew	ICT Expert, IPE Global, Kochi Smart City PMC
3	Manish	MIS Expert, IPE Global, Kochi Smart City PMC
4	Balamurugan	Solution Architect, IPE Global, Kochi Smart City PMC

Memo No:	
DIVISION /LOCATION	Revenue Divisional Office, Fort Kochi
DATE AND TIME	06-03-2019, 11.00 a.m
Personnel met	Shri Snehil Kumar Singh, Sub-Collector
AGENDA	• To discuss on the proposed Fort Kochi beach front upgradation project – Part 1 (Vasco Square), Ethnic Food Hub and Redevelopment and Upgradation of existing toilets. • Briefing of other Tourism Projects in West Kochi
SUMMARY	The Sub-collector gave go-ahead for the beach front upgradation project at Vasco Square and promised to lend all necessary support for the project.

Brief of meeting:
Major Discussion Points**:**

- Presentation on the above-mentioned projects was given to the Sub Collector.
- After discussions on each project, the Sub Collector gave a go-ahead and suggested to take up the beach front upgradation project at Vasco square as early as possible. He also wanted the space adjoining the Nehru park to be utilized for art installations.
- Regarding Ethnic food hub project, he suggested to float the RFP once the Vasco square streetscaping and landscaping project is under implementation.
- For leasing out the food truck locations, the consultants requested for duration of lease agreement. As per Consultants, longer lease period was recommended to have stability. But it was suggested that, to have healthy competition for the project, the lease period to be retained for 1 year only.

- The Sub Collector further suggested that the lease agreement and RFP documents to be shared to the Cochin Heritage Zone Society.
- Other projects in the vicinity such as the OAT and other tourism projects was also discussed. He also stated that the public toilets provided within the OAT was enough to cater to the public that will be visiting the Vasco square area.
- He also stated that all the project areas to be provided with drinking water facilities and toilets wherever possible.
- The Sub Collector further suggested to take following four projects under smart city mission:
    - **Development of Santa Cruz Ground**- The sub collector envisages the area between the huge trees to be developed for the elderly with proper toilet and water facilities. The land belonged to the Revenue department and hence, suggested to take up the project on priority. And, remaining area to be developed as an active space for children for sports activities.
    - **Parking in front of St. Francis Church**- Presently there is haphazard parking long the stretch, hence, the Sub Collector suggested to design demarcated parking facility with landscaping of the area. The land along the road belonged to the Revenue department.
    - **South Beach area**- There are proposals to develop the South beach area with construction of toilet facilities and solid waste management facility at the plot to the west of Dutch Cemetery and north of South Beach. He envisages to develop the area with landscaping and retain/develop a volley ball court. This land also belonged to the Revenue department. It was stated that CSML can take up the landscaping work in the area. The revenue department shall share more details of the Public toilet and SWM project with the consultants.
    - **Veli Ground** – The Sub Collector was keen to develop the ground as well. The consultants informed that the locations is outside ABD area and therefore it cannot be taken up without any permission. The Sub Collector ensured that he will talk to the CSML MD and further inform the consultants about the project.

Action Points:

- The Consultants will share the RFP documents of Ethnic Food Truck Project to the CHZS.
- Santa Cruz ground and Parking in front of St. Francis Church to be taken up by the smart city consultants.
- The other two projects shall be taken up on intimation and approval from the Sub Collector and CSML MD.

List of Attendees from Kochi Smart City Team:

S. No.	Name	Designation and Organization
1	Arun Savi	Senior Manager, IPE Global, Kochi Smart City PMC
2	Abhishek Xavier	Urban Designer, IPE Global, Kochi Smart City PMC
3	Jishnu K Pillai	Assistant Construction Manager, IPE Global, Kochi Smart City PMC
4	Davesh Sharma	Analyst, IPE Global, Kochi Smart City PMC

REF NO.:	**PROJECT: PMC SERVICES FOR CSML**	**VENUE:**
	VENDOR: Consortium of IPE Global and Royal Haskoning DHV (PMC)	Telemedicine Room – GH, Ernakulam

SUBJECT: Coordination Meeting with GH, eHealth, KELTRON and CSML Team for implementation of eHealth at GH, Ernakulam

PRESENT

ORGANISATION		**ORGANISATION**		**ORGANISATION**	
CSML & PMC		**General Hospital**		**eHealth PMU and KELTRON**	
1.	Binnya Joseph	1.	Dr. Anita	1.	Dileep. S
2.	Koroth Mathew	2.	Other Doctors - Annexure I	2.	Dr. Rontgen
3.	Arun Savi	3.		3.	Rajesh G Joseph
4.	Manish	4.		4.	Sooraj C.R
5.		5.		5.	Arun Hareendran

SL. NO.	POINTS DISCUSSED	ACTION BY
	1. Introductory Speech was given by Superintendent of GH and welcomed all officials attended the meeting 2. Chief Consultant of eHealth presented a brief about the eHealth program in Kerala with the following - • Hospital management System (HMS) – Systems • HMS components • eHealth implementation Status • Future Roll out of eHealth • Implementation road map upto March 2019 • Type of support to be provided to KELTRON by GH officials • Regarding Handholding, Consultant stated that the eHealth team will train the IT staff of GH • UHID will be provided to each family members and will be linked to Ayushman bharat 3. Dr. Rontgen presented live demos of OP screens and explained the eHealth solution for Doctors. The role and need of eHealth for doctors was also explained in detail. During the interactive session, may queries related to operations of solution was clarified. 4. Engineer from KELTRON presented a brief of the hardware. Regarding tendering process, he stated that it has been initiated. 5. The ICT Consultant of PMC concluded the meeting with requirements and expectations form each of the team members in efficient implementation of ehealth at GH, Ernakulam 6. The meeting was concluded with Vote of thanks from Superintendent of GH	GH, eHealth PMU and KELTRON

Memo No:	
DIVISION /LOCATION	Cochin Port Trust Administration Office, Willingdon Island
DATE AND TIME	19-03-2019, 05.30 PM
Personnel met	Deputy Conservator
AGENDA	• To discuss a draft concept with the officer • To have a detailed discussion on the departments requirement from the project
SUMMARY	The Officer provided notable suggestions for the project.

Brief of meeting:

Major Discussion Points**:**

- A presentation on the briefing the existing situation and concept proposal was given to the Officer.
- He suggested that a rigid docking location in front of the marine drive shall degrade the locations natural aesthetic.
- Therefore, he suggested to have only three to four boarding-alighting locations for the tourism purpose. He further suggested to have these locations at strategic locations.
- When the consultants proposed to have a pier and café hubs at few locations along the Marine drive. The Officer suggested to have a café like proposal at one of the proposed Jetty. He further suggested to proposed stairs around this café, where boats can be moored and can be utilized by the tourists for other purposes.
- The consultants discussed about the light and sound show proposed under smart city mission. The officer gave a go ahead with the project and further informed that the proposal shall not hamper movement of any of the facilities using the water.

- The Officer informed that the Marine Drive belonged to the GCDA while the water area belonged to their department. Therefore, to have anything built along the Marine drive GCDA's permission shall also be required.

Action Points:

- The Consultants will take care of all the suggestions from the Officer.
- **They will prepare detailed proposal for the development and present it to the Cochin Port trust department**

List of Attendees from Kochi Smart City Team:

S. No.	Name	Designation and Organization
1	Arun Savi	Senior Manager, IPE Global, Kochi Smart City PMC
2	Abhishek Xavier	Urban Designer, IPE Global, Kochi Smart City PMC
3	Davesh Sharma	Analyst, IPE Global, Kochi Smart City PMC

ANNEXURE 2: TENDER DETAILS

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
4	CSML/SWM/RFP/001	2018_KMRL_201893_1	RFP for Supply, Operation and Maintenance of Portable Compactor for Secondary Storage & Transportation of Solid Waste.	6 months + 3 Years O&M	Rs. 4.44 Crores	Rs. 1,00,000	Rs. 8,850/-	120 days	As per NIT	NIT No. CSML/SWM/RFP/001 Date: 22/03/2018	28st March 2018 from 14:00 Hours	18th April, 2018 till 17:00 hrs.	19th April, 2018 at 15:00 hrs.	8th May 2018, till 17:30 hrs.	9th May 2018, till 17:30 hrs.	9th May 2018, till 17:30 hrs.	14th May 2018, till 17:00 hrs.	
									As per Corrigendum-1	TnD No.: CSML/ TND / 2018 /64 /010 Date: 28/03/2018	6th April 2018	-	-	-	-	-	-	
									As per Corrigendum-2	TnD No.: CSML/ TND / 2018 /64 /017 Date: 06/04/2018	12th April 2018	-	-	-	-	-	-	
									As per Corrigendum-3	Tnd No.: CSML/ TND / 2018 /64 /022 Date: 12/04/2018	20th April 2018	8th May 2018 till 17:30 hrs.	9th May 2018 till 15:00 hrs.	30th May 2018 till 17:30 hrs.	31st May 2018 till 17:30 hrs.	31st May 2018 till 17:30 hrs.	4th June 2018 till 17:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									As per Corrigendum-4	Tnd No.: CSML/ TND / 2018 /64 /049 Date: 29/05/2018	-	-	-	18th June 2018 till 17:30 hrs.	19th June 2018 till 17:30 hrs.	22nd June 2018 before 15:00 hrs.	22nd June 2018 at 15:00 hrs.	
									As per Corrigendum-5	Tnd No.: CSML/ TND / 2018 /64 /060 Date: 19/06/2018	-	-	-	12th July 2018 till 17:30 hrs.	13th July 2018 till 17:30 hrs.	17th July 2018 before 15:00 hrs.	17th July 2018 at 15:00 hrs.	
									As per Corrigendum-6	Tnd No.: CSML/ TND / 2018 /64 /067 Date: 13/07/2018	-	-	-	30th July 2018 till 17:30 hrs.	31st July 2018 till 17:30 hrs.	03rd August 2018 before 15:00 hrs.	03rd August 2018 at 15:00 hrs.	
									As per Corrigendum-7	Tnd No.: CSML/ TND / 2018 /64 /071 Date: 01/08/2018	-	-	-	15th August 2018 till 17:30 hrs.	16th August 2018 till 17:30 hrs.	21st August 2018 before 15:00 hrs.	21st August 2018 at 15:00 hrs.	
									As per Corrigendum-8	Tnd No.: CSML/ TND / 2018 /64 /078 Date: 20/08/2018	-	-	-	3rd September 2018 till 17:30 hrs.	3rd September 2018 till 17:30 hrs.	6th September 2018 before 15:00 hrs.	6th September 2018 at 15:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									As per Corrigendum-9	Tnd No.: CSML/ TND / 2018 /64 /084 Date: 03/09/2018	-	-	-	19th September 2018 till 17:30 hrs.	19th September 2018 till 17:30 hrs.	25th September 2018 before 15:00 hrs.	25th September 2018 at 15:00 hrs.	
									As per Corrigendum-10	Tnd No.: CSML/ TND / 2018 /64 /089 Date: 19/09/2018	-	-	-	5th October 2018 till 17:30 hrs.	5th October 2018 till 17:30 hrs.	9th October 2018 before 15:00 hrs.	9th October 2018 at 15:00 hrs.	
									As per Corrigendum-11	Tnd No.: CSML/ TND / 2018 /64 /091 Date: 04/10/2018	-	-	-	26th October 2018 till 17:30 hrs.	26th October 2018 till 17:30 hrs.	30th October 2018 before 15:00 hrs.	30th October 2018 at 15:00 hrs.	
									As per Corrigendum-12	Tnd No.: CSML/ TND / 2018 /64 /0100 Date: 26/10/2018	-	-	-	14th November 2018 till 17:30 hrs.	14th November 2018 till 17:30 hrs.	19th November 2018 before 15:00 hrs.	19th November 2018 at 15:00 hrs.	
									As per Corrigendum-13	Tnd No.: CSML/ TND / 2018 /64 /108 Date: 14/11/2018	-	-	-	28th November 2018 till 17:30 hrs.	28th November 2018 till 17:30 hrs.	01st December 2018 before 15:00 hrs.	01st December 2018 at 15:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									As per Tech Corrigendum-14 & Minutes of Pre-bid Meeting	Tnd No.: CSML/ TND / 2018 /64 /113 Date: 26/11/2018	-	-	-					
									As per Corrigendum-15	Tnd No.: CSML/ TND / 2018 /64 /114 Date: 26/11/2018	-	-	-	11th December 2018, till 17:30 hrs	12th December 2018, till 17:30 hrs	15th December 2018, before 15:00 hrs.	15th December 2018,, at 15:00 hrs.	
										Bid opened on 15th December under evaluation								

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
										Evaluation on the submitted documents finished, but there are some shortfalls. The same was conveyed to the bidder through mail dated 07/01/2019 and till date there is no response from the bidder								
5	CSML/SWM/RFP/002	2018_KMRL_201947_1	RFP for Supply, Operation and Maintenance of Mechanized Street Sweeping Machines	4 months + 3 Years O&M	Rs. 3.1 Crores	Rs. 1,00,000	Rs. 8,850/-	120 days	As per NIT	NIT No. CSML/SWM/RFP/002 Date: 22/03/2018	28st March 2018 from 14:00 Hours	17th April, 2018 till 17:00 hrs.	18th April, 2018 at 15:00 hrs.	7th May 2018, till 17:30 hrs.	8th May 2018, till 17:30 hrs.	8th May 2018, till 17:30 hrs.	11th May 2018, till 17:00 hrs.	
									As per Corrigendum-1	TnD No.: CSML/ TND / 2018 /64 /011 Date: 28/03/2018	6th April 2018	-	-	-	-	-	-	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									As per Corrigendum-2	TnD No.: CSML/ TND / 2018 /64 /018 Date: 06/04/2018	12th April 2018	-	-	-	-	-	-	
									As per Corrigendum-3	Tnd No.: CSML/ TND / 2018 /64 /023 Date: 12/04/2018	20th April 2018	7th May 2018 till 17:30 hrs.	8th May 2018 till 15:00 hrs.	29th May 2018 till 17:30 hrs.	30th May 2018 till 17:30 hrs.	30th May 2018 till 17:30 hrs.	2nd June 2018 till 17:00 hrs.	
									As per Corrigendum-4	Tnd No.: CSML/ TND / 2018 /64 /050 Date: 29/05/2018				20th June 2018 till 17:30 hrs.	21st June 2018 till 17:30 hrs.	26th June 2018 before 15:00 hrs.	26th June 2018 at 15:00 hrs.	
									As per Corrigendum-5	Tnd No.: CSML/ TND / 2018 /64 /061 Date: 19/06/2018				16th July 2018 till 17:30 hrs.	17th July 2018 till 17:30 hrs.	19th July 2018 before 15:00 hrs.	19th July 2018 at 15:00 hrs.	
									As per Corrigendum-6	Tnd No.: CSML/ TND / 2018 /64 /068 Date: 17/07/2018				31st July 2018 till 17:30 hrs.	01st August 2018 till 17:30 hrs.	04th August 2018 before 15:00 hrs.	04th August 2018 at 15:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									As per Corrigendum-7	Tnd No.: CSML/ TND / 2018 /64 /072 Date: 01/08/2018				16th August 2018 till 17:30 hrs.	17th August 2018 till 17:30 hrs.	23rd August 2018 before 15:00 hrs.	23rd August 2018 before 15:00 hrs.	
									As per Corrigendum-8	Tnd No.: CSML/ TND / 2018 /64 /079 Date: 20/08/2018				4th September 2018 till 17:30 hrs.	4th September 2018 till 17:30 hrs.	10th September 2018 before 15:00 hrs.	10th September 2018 before 15:00 hrs.	
									As per Corrigendum-9	Tnd No.: CSML/ TND / 2018 /64 /085 Date: 03/09/2018				18th September 2018 till 17:30 hrs.	18th September 2018 till 17:30 hrs.	24th September 2018 before 15:00 hrs.	24th September 2018 before 15:00 hrs.	
									As per Corrigendum-10	Tnd No.: CSML/ TND / 2018 /64 /088 Date: 19/09/2018				3rd October 2018 till 17:30 hrs.	3rd October 2018 till 17:30 hrs.	6th October 2018 before 15:00 hrs.	6th October 2018 before 15:00 hrs.	
									As per Corrigendum-11	Tnd No.: CSML/ TND / 2018 /64 /092 Date: 04/10/2018				24th October 2018 till 17:30 hrs.	24th October 2018 till 17:30 hrs.	26th October 2018 before 15:00 hrs.	26th October 2018 before 15:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									As per Corrigendum-12	Tnd No.: CSML/ TND / 2018 /64 /097 Date: 24/10/2018				13th November 2018 till 17:30 hrs.	13th November 2018 till 17:30 hrs.	16th November 2018 before 15:00 hrs.	16th November 2018 before 15:00 hrs.	
									As per Corrigendum-13	Tnd No.: CSML/ TND / 2018 /64 /107 Date: 13/11/2018				27th November 2018 till 17:30 hrs.	27th November 2018 till 17:30 hrs.	30th November 2018 before 15:00 hrs.	30th November 2018 before 15:00 hrs.	
									As per Tech Corrigendum-14 & Minutes of Pre-bid Meeting	Tnd No.: CSML/ TND / 2018 /64 /111 Date: 26/11/2018								
									As per Corrigendum-15	Tnd No.: CSML/ TND / 2018 /64 /112 Date: 26/11/2018				10th December 2018, till 17:30 hrs	11th December 2018, till 17:30 hrs	14th December 2018, before 15:00 hrs.	14th December 2018,, at 15:00 hrs.	
										Bid opened on 14th December under evaluation								

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
										Bids evaluation submitted to BEC Members and they asked to hold the same to get it discussed with MD since it is a single bid. Meanwhile asked to get confirmation on the experience provided from the Competanat Authority								
6	CSML/SWM/RFP/003	2018_KMRL_201991_1	RFP for Supply of Household and Street Bins for Segregation of Organic and Inorganic wastesBasis under Public Private Partnership (PPP)	3 months	Rs. 0.96 Crores	Rs. 1,00,000	Rs. 8,850/-	120 days	As per NIT	NIT No. CSML/SWM/RFP/003 Date: 22/03/2018	28st March 2018 from 14:00 Hours	16th April, 2018 till 17:00 hrs.	17th April, 2018 at 15:00 hrs.	4th May 2018, till 17:30 hrs.	5th May 2018, till 17:30 hrs.	5th May 2018, till 17:30 hrs.	9th May 2018, till 17:00 hrs.	
									As per Corrigendum-1	TnD No.: CSML/ TND / 2018 /64 /012 Date: 28/03/2018	6th April 2018	-	-	-	-	-	-	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									As per Corrigendum-2	TnD No.: CSML/ TND / 2018 /64 /019 Date: 06/04/2018	12th April 2018	-	-	-	-	-	-	
									As per Corrigendum-3	Tnd No.: CSML/ TND / 2018 /64 /024 Date: 12/04/2018	20th April 2018	4th May 2018 till 17:30 hrs.	5th May 2018 till 15:00 hrs.	28th May 2018 till 17:30 hrs.	29th May 2018 till 17:30 hrs.	29th May 2018 till 17:30 hrs.	1st June 2018 till 17:00 hrs.	
									As per Corrigendum-4	Tnd No.: CSML/ TND / 2018 /64 /051 Date: 29/05/2018				19th June 2018 till 17:30 hrs.	20th June 2018 till 17:30 hrs.	25th June 2018 before 15:00 hrs.	25th June 2018 at 15:00 hrs.	
									As per Corrigendum-5	Tnd No.: CSML/ TND / 2018 /64 /062 Date: 19/06/2018				23rd July 2018 till 17:30 hrs.	24th July 2018 till 17:30 hrs.	26th July 2018 before 15:00 hrs.	26th July 2018 at 15:00 hrs.	
									As per Corrigendum-6	Tnd No.: CSML/ TND / 2018 /64 /069 Date: 24/07/2018				13th August 2018 till 17:30 hrs.	14th August 2018 till 17:30 hrs.	18th August 2018 before 15:00 hrs.	18th August 2018 at 15:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									As per Corrigendum-7	Tnd No.: CSML/ TND / 2018 /64 /076 Date: 14/08/2018				28th August 2018 till 17:30 hrs.	29th August 2018 till 17:30 hrs.	01st September 2018 before 15:00 hrs.	01st September 2018 at 15:00 hrs.	
									As per Pre Bid Meeting & Addendum-I & II	Tnd No.: CSML/ TND / 2018 /64 /077 Date: 14/08/2018								
									As per Corrigendum-8	Tnd No.: CSML/ TND / 2018 /64 /081 Date: 29/08/2018				07th September 2018 till 17:30 hrs.	07th September 2018 till 17:30 hrs.	10th September 2018 before 15:00 hrs.	10th September 2018 at 15:00 hrs.	
									As per Corrigendum-9	Tnd No.: CSML/ TND / 2018 /64 /086 Date: 07/09/2018				24th September 2018 till 17:30 hrs.	24th September 2018 till 17:30 hrs.	27th September 2018 before 15:00 hrs.	27th September 2018 at 15:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									As per Corrigendum10	Tnd No.: CSML/ TND / 2018 /64 /090 Date: 24/09/2018				08th October 2018 till 17:30 hrs.	08th October 2018 till 17:30 hrs.	11th October 2018 before 15:00 hrs.	11th October 2018 at 15:00 hrs.	
									As per Corrigendum11	Tnd No.: CSML/ TND / 2018 /64 /093 Date: 04/10/2018				29th October 2018 till 17:30 hrs.	29th October 2018 till 17:30 hrs.	01st November 2018 before 15:00 hrs.	01st November 2018 at 15:00 hrs.	
									As per Corrigendum-12	Tnd No.: CSML/ TND / 2018 /64 /099 Date: 26/10/2018				16th November 2018 till 17:30 hrs.	16th November 2018 till 17:30 hrs.	22nd November 2018 before 15:00 hrs.	22nd November 2018 at 15:00 hrs.	
										Bid opened on 22nd November under evaluation								

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
										Technical Bid Evaluation report submitted to BEC and decided submit the samples of Bins to competent Authority for Testing. After getting the report will move on to the next stage.								
10	CSML/Other Road/RFP/006		Development of Other Roads in West Kochi ABD Area under Smart City Mission, Kochi	15 Months including Monsoon		Rs, 60.20 lakh	Rs 59 Thousand		As Per NIT	NIT No. CSML/Other Road/RFP/006-02	10th March 2019	16th April, 2019 at 17.00 hrs	17th April , 2019 at 15.00 hrs	30th March, 2019 at 17.30 hrs	30th March, 2019 at 17.30 hrs	3rd May 2019 at 14.00 hrs	3rd May 2019 at 15.00 hrs	
11	CSML/ Smart Roads /RFP/005		Development of Smart Roads in West Kochi ABD Area under Smart City Mission, Kochi	15 Months including Monsoon		Rs 25.10 lakh	Rs 59 Thousand		As Per NIT	NIT No. CSML/ Smart Roads /RFP/005	16th Feb 2019	22th Feb, 2019 at 17.00 hrs	25th Feb, 2019 at 15.00 hrs	11th March, 2019 at 17.30 hrs	11th March, 2019 at 17.30 hrs	13th March 2019 at 14.00 hrs	13th March 2019 at 15.00 hrs	
									LoA issued									
12	CSML/Other		Development of Other Roads in	15 Months includin		Rs 36.60 lakh	Rs 59 Thousand		As Per NIT	CSML/Other	14th Febru	21st Feb, 2019 at 17.00 hrs	22th Feb, 2019 at 15.00 hrs	06th March 2019,	06th March 2019, till	08th March 2019, till	08th March 2019,	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
	Road/RFP/004		Ernakulam ABD Area under Smart City Mission, Kochi	g Monsoon						Road/RFP/004	ary 2019			till 17:30 hrs.	17:30 hrs.	14:00 hrs.	at 15:00 hrs.	
									LoA issued									
13	CSML/ Smart Roads /RFP/003		Development of Smart Roads in Ernakulam ABD Area under Smart City Mission, Kochi	15 Months including Monsoon		Rs 52.10 lakh	Rs 59 Thousand		As Per NIT	CSML/Other Road/RFP/004	14th February 2019	21st Feb, 2019 at 17.00 hrs	22nd Feb, 2019 at 15.00 hrs	06th March 2019, till 17:30 hrs.	06th March 2019, till 17:30 hrs.	08th March 2019, till 14:00 hrs.	08th March 2019, at 15:00 hrs.	
									LoA issued									
14	CSML/ Energy Supply / RFP/001		Development of Electrical Infrastructure in ABD Area under Smart City Mission	18 months (including monsoon period)		Rs 54.50 lakh	Rs 59 Thousand		As Per NIT	CSML/ Energy Supply / RFP/001	1st March 2019	21st March 2019 till 17:00 hrs.	25th March, 2019 at 15:00 hrs.	24th April 2019, till 17:30 hrs.	25st April 2019, till 17:30 hrs.	29th April 2019, till 14:00 hrs.	29th April 2019, at 15:00 hrs.	
									As per Corrigendum-1	CSML/ TND / 2018 /64 /0175				17th April, 2019 at 17.30 hrs	17th April, 2019 at 17.30 hrs	22nd April, 2019 at 14.00 hrs	22nd April, 2019 at 15.00 hrs	
15	CSML/ENERGY/RFP/002	2018_KMRL_240720_1	"IMPLEMENTATION OF SMART LED LIGHTS IN ABD AREA OF KOCHI SMART CITY	18 months + 5 Years O&M including 12	Rs. 35.84 Crores	Rs. 36,00,000	Rs. 59,000/-	180 days	As per NIT	NIT No. CSML/ENERGY/RFP/002 Date: 26/12/2018	26th December 2018	8th January, 2019 till 10:00 hrs.	8th January, 2019 at 15:00 hrs.		23rd January, 2019, till 17:30 hrs.	25th January, 2019, before 15:00 hrs.	25th January, 2019, at 16:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
			UNDER SMART CITY MISSION"	months of DLP period					As per Corrigendum-1	Tnd No.: CSML/ TND / 2018 /64 /126 Date: 04/01/2019		10th January, 2019 till 10:00 hrs.	10th January, 2019 at 15:00 hrs.	-	-	-	-	
									As per Corrigendum-2	Tnd No.: CSML/ TND / 2018 /64 /0127 Date: 10/01/2019	21st January 2018 at 12 hrs.							
									As per Corrigendum-3 BOQ CORRIGENDUM	Tnd No.: CSML/ TND / 2018 /64 /0 Date: 21/01/2019								
									As per Corrigendum-4	Tnd No.: CSML/ TND / 2018 /64 /0128 Date: 23/01/2019					6th February, 2019, till 17:30 hrs.	8th February, 2019, before 15:00 hrs.	8th February, 2019, at 16:00 hrs.	
									As per Corrigendum-5	Tnd No.: CSML/ TND / 2018 /64 /0129 Date: 06/02/2019					14th February, 2019, till 17:30 hrs.	16th February, 2019, before 15:00 hrs.	16th February, 2019, at 16:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
									Prebid Minutes	Tnd No.: CSML/ TND / 2018 /64 /0130 Date: 11/02/2019								
									Addendum I	Tnd No.: CSML/ TND / 2018 /64 /0131 Date: 11/02/2019								
									Corrigendum 6 (Technical)	Tnd No.: CSML/ TND / 2018 /64 /0132 Date: 11/02/2019								
									As per Corrigendum-7	Tnd No.: CSML/ TND / 2018 /64 /0134 Date: 13/02/2019					21th February, 2019, till 17:30 hrs.	25th February, 2019, before 15:00 hrs.	25th February, 2019, at 16:00 hrs.	
16	CSML/MLCP/KCPD/RFP/01		DESIGN, BUILD, OPERATE, MAINTAIN & TRANSFER OF MULTI LEVEL CAR PARKING AT KACHERIPADI UNDER SMART CITY	09		Rs. 6.16 lakh	Rs 23,600	180 days	As per NIT	CSML/MLCP/KCPD/RFP/01	09th March, 2019	25th March, 2019 at till 17.00 hrs	26th March, 2019 at till 15.00 hrs	10th April, 2019 at 17.30 hrs	10th April, 2019 at 17.30 hrs	12th April, 2019 at 14.00 hrs	12th April, 2019 at 15.00 hrs	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
			MISSION															
17	CSML/EDUCATION/CCHSS/RFP/01		Higher Secondary Block, Central Calvathy GHSS, Fort Kochi	06		Rs. 4.67 lakh	Rs 11,800	180 days	As per NIT	CSML/EDUCATION/CCHSS/RFP/01	08th March, 2019	25th March, 2019 at till 17.00 hrs	26th March, 2019 at till 15.00 hrs	16th April, 2019 at 17.30 hrs	16th April, 2019 at 17.30 hrs	22nd April, 2019 at 14.00 hrs	22nd April, 2019 at 15.00 hrs	
18	CSML/PARK & OS/MDW/RFP/001		Improvements to Marine Drive Walkway in Ernakulam	12 months + Defect Liability Period of 12 months		Rs 7.10 Lakh	Rs 23,600	180 days	As per NIT	CSML/PARK & OS/MDW/RFP/001 dated 15/02/2019	08th March, 2019	21st March, 2019 at till 17.00 hrs	22nd March, 2019 at till 15.00 hrs	20th April, 2019 at 17.30 hrs	20th April, 2019 at 17.30 hrs	24th April, 2019 at 14.00 hrs	24th April, 2019 at 15.00 hrs	
19	CSML/TOURISM/VASCO SQUARE/RFP/002		Beach Front Upgradation at Vasco Square in Fort Kochi	12 months + Defect Liability Period of 12 months)	Rs. 1.58 Crores	Rs. 1.58 lakh	Rs. 11,800	180 days	As per NIT	CSML/TOURISM/VASCO SQUARE/RFP/002	07th March 019	21st March 2019 till 17:30 Hrs	22nd March 2019 at 15:00 hrs	15th April 2019 at 12.00 PM	22th April 2019, till 17:30 hrs.	25th April 2019, till 15:00 hrs.	25th April 2019, at 16:00 hrs.	
20	CSML/TOURISM/DPEAU/RFP/003		Upgradation of Dutch Palace Entry Area	06 months + Defect Liability Period of 12 months	Rs. 1.10 Crores	Rs. 1.10 lakh	Rs. 11,800/	180 days	Asper NIT	CSML/TOURISM/DPEAU/RFP/003	09th March 2019	21st March 2019 till 17:30 Hrs	22nd March 2019 at 15:00 hrs	15th April 2019 at 12.00 PM	23rd April 2019, till 17:30 hrs.	26th April 2019, till 15:00 hrs.	26th April 2019, at 16:00 hrs.	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
21	CSML/TOURISM/OAT/RFP/001		Construction of Open-Air Theatre in Fort Kochi	12 months + Defect Liability Period of 12 months	Rs. 1.10 Crores	Rs. 1.10 lakh	Rs. 11,800/	180 days	As per NIT	CSML/TOURISM/OAT/RFP/001	08th March 2019			11th April 2019 at 12.00 PM	11th April 2019, till 17:30 hrs.	17h April 2019, till 15:00 hrs.	17h April 2019, till 16:00 hrs.	
22	CSML/UGSS/VS & STP/RFP/001		Construction of Vacuum Sewer Network With House Connections and Sewage Treatment Plant under Cochin Smart City Mission	31 months (including monsoon period)	Rs. 143.30	Rs. 1.433 crores	Rs.88,500	180 days	As per NIT	CSML/UGSS/VS & STP/RFP/001	08th March 2019	21th March 2019 till 17:00 hrs.	26th March 2019 at 15:00 hrs.	2nd April 2019 12.00 PM	11th April 2019, till 17:30 hrs.	15th April 2019, till 14:00 hrs.	15th April 2019, till 16:00 hrs.	
23	CSML/SWMP/TOILET/RFP/004		CONSTRUCTION OF PUBLIC TOILET FACILITIES IN KOCHI	8 months + Defect Liability Period of 12 months	Rs. 1.80 crores	Rs. 1,60,000	Rs.11,800/	180 days	As per NIT	CSML/SWMP/TOILET/RFP/004 07/03/2019	08h March 2019				8th April 2019, till 17:30 hrs.	12th April 2019, till 15:00 hrs.	12th April 2019, at 16:00 hrs.	
24	CSML/HEALTH/KTH/RFP/001		Construction of New Block at Fort Kochi Taluk Hospital	10 months (including monso	Rs. 4.65 Crores	Nil	Rs 8850/-	120 days	As per NIT	CSML/SWMP/TOILET/RFP/004 07/03/2019	11th March 2019 12.00 PM				18th March 2019, till 17:30 hrs.	21st March 2019, till 14:00 hrs.	21st March 2019, till	

Sl. No.	Tender Reference Number:	Tender ID:	Project Name:	Project duration	Estimated Cost of the work	Earnest Money Deposit (EMD)	Tender submission fee (Rs.)	Bid Validity	NIT / CORRIGENDUM	No. and date	Bid Document Downloading Start Date	Last date for sending pre-bid queries	Date, Time of Pre-bid Meeting	Last date for Online Purchase of Tender Document	Last date of Online Submission of Bids	Last date of EMD + Hard Copy POA	Date & Time for Opening of Bids	Date for Presentation of design, Implementation, operation, maintenance Opening of Bids
				on period)													14:00 hrs.	
25	CSML/HEALTH/MWCH/RFP/002		Construction of New Block of Mattancherry Women & Children Hospital, Under Area Based Development of Kochi Smart city	10 months (including monsoon period)	Rs. 4.57	Nil	Rs 8850/-	120 days	As per NIT	CSML/HEALTH/MWCH/RFP/002 07/03/2019	11th March 2019 12.00 PM				18th March 2019, till 17:30 hrs.	21st March 2019, till 14:00 hrs.	21st March 2019, till 14:00 hrs.	
26	CSML/ ICT /RFP/002		Selection of Concessionaire for Implementation of Intelligent Street Pole at Kochi under PPP on DBOOT model	20 years including 5 years of implementation	Rs. 301 cr (PPP)	Rs. 1.40 crore	Rs.88,500	180 days	As per Nit	CSML/ ICT /RFP/002 08/03/2019	11th March	25th March 2019 till 17:00 hrs.	27th March, 2019 at 15:00 hrs.	8th April 2019 12.00 PM	16th April 2019, till 17:30 hrs.	20th April 2019, till 14:00 hrs.	20th April 2019, at 15:00 hrs.	