



(DECEMBER 2019)

MONTHLY PROGRESS REPORT



Thiruvananthapuram Smart City



Submitted By



Expanding Horizons. For Changing Lives.

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Making Development a Ground Reality

Integrity Innovation Passion Perseverance Learning

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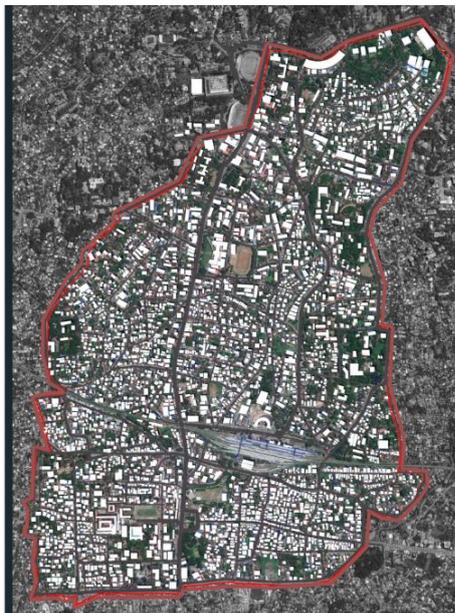
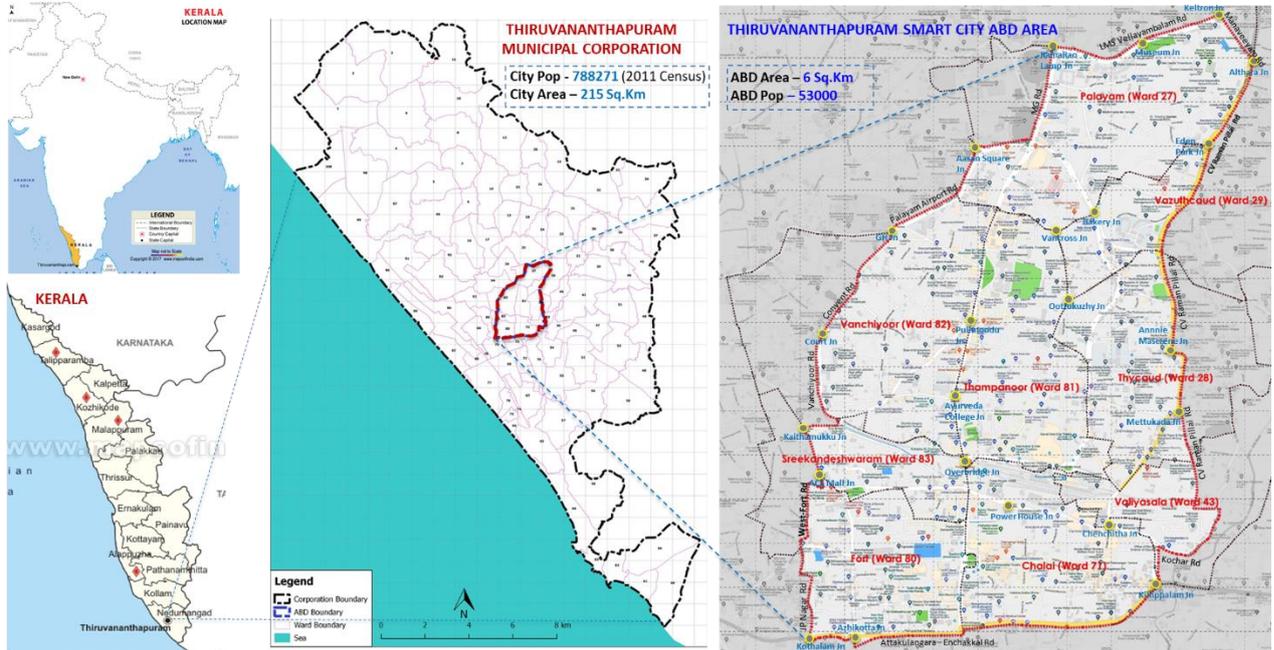
1 PROJECT INTRODUCTION AND BACKGROUND

The Smart City Thiruvananthapuram Limited (SCTL) has appointed a consortium led by IPE Global Limited and Jones Lang LaSalle as the project management consultant for execution of the smart city projects as IPE Global in association with its consortium partner Jones Lang LaSalle (JLL) are responsible for the planning and design, as well as the supervision of the implementation of Thiruvananthapuram smart city's projects under Smart City Mission.

Thiruvananthapuram city has been selected in round-3 of smart cities challenge to implement the Smart Cities Mission (SCM). Thiruvananthapuram Smart City Proposal (SCP) has secured first rank in third round cities. Along with five modules under ABD proposals in 9 wards, the pan-city proposal includes Integrated City Management Control Center (ICMCC) and Unified e-Governance portal. As per the SCP, the estimated project cost of smart city projects is about INR 1,538.19 crore. The estimated project cost of ABD component and Pan-city component is about INR 1,386.12 crore and INR 152.07 crore respectively. For implementing the Thiruvananthapuram Smart City projects, Smart City Thiruvananthapuram Limited (SCTL), a Special Purpose Vehicle (SPV) for project has been incorporated as a company under the Companies Act, 2013.

Picture 1: Thiruvananthapuram Smart City ABD & PAN City area and details

THIRUVANANTHAPURAM SMART CITY - ABD & PAN CITY AREA

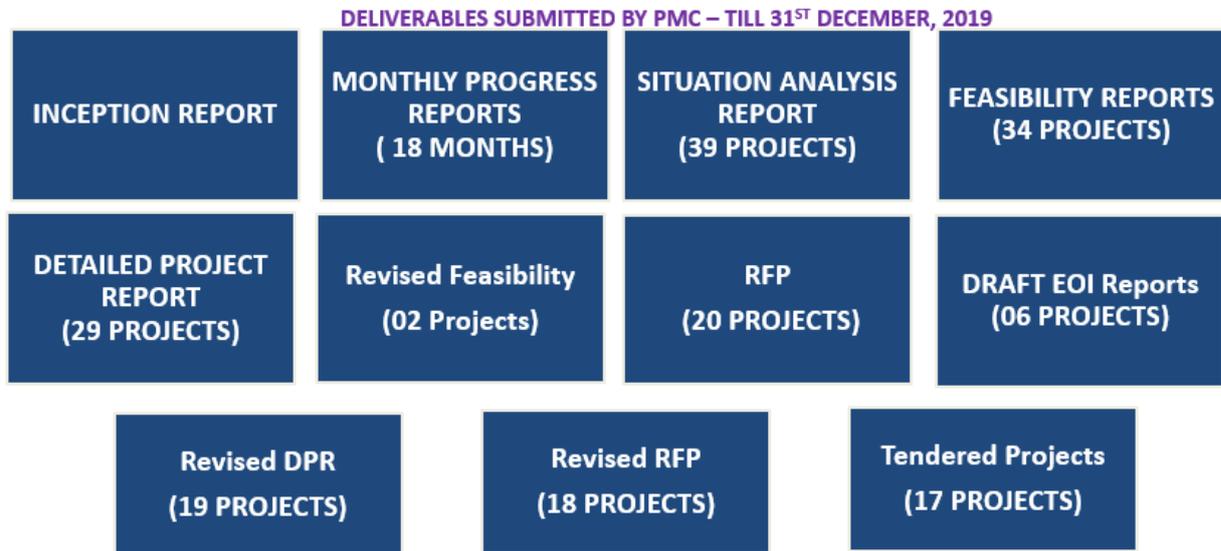


| SCP MODULES | PROJECTS & COST | PROPOSED STRATEGIES |
|--|------------------------------|---|
| <u>Urban Basic Services</u> | 15 Projects: Rs. 771.5 Cr | <ul style="list-style-type: none"> Improving Basic Services |
| <u>Land-Use Efficiency</u> | 5 Projects: Rs. 238 Cr | <ul style="list-style-type: none"> Re-Densification with Creative Land-Use |
| <u>Cultural Identity & Heritage</u> | 9 Projects: Rs. 126.5 Cr | <ul style="list-style-type: none"> Conserving Historic & Cultural Assets |
| <u>Resilience & Eco-Friendliness</u> | 3 Projects: Rs. 143.7 Cr | <ul style="list-style-type: none"> Sustainable built & natural landscape |
| <u>Socio-Economic Inclusiveness</u> | 3 Projects: Rs. 106.4 Cr | <ul style="list-style-type: none"> Promote Diversity & Foster Inclusiveness |
| <u>PAN City Solutions</u> | 8 Projects: Rs. 152.07 Cr | <ul style="list-style-type: none"> Operate and manage multiple city services and deliver governance services |

2 STATUS OF PROJECTS

In the month of November 2019, as part of PMC scope and in continuation of submission of Monthly Progress Report (MPR) for the month of June, July, August, September, October, November, December 2018, January, February, March, April, May, June, July, August, September, October 2019, other key activities like submission of situation analysis reports, feasibility reports, DPRs, Eols, RFPs etc. in the month of November 2019.

Picture 2: Details of deliverables submitted by PMC.



2.1 Thiruvananthapuram Smart City Projects and Sources of Funds:

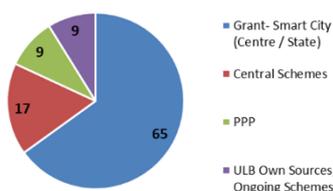
Details of Thiruvananthapuram SCP Smart City Projects, estimated sources of funds are indicated below:

Table 1: SCP Estimated costs and sources of fund for Smart City Projects

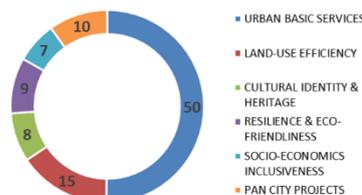
THIRUVANANTHAPURAM SMART CITY – SCP MODULES & ESTIMATED COSTS

| Project Details | | | Sources of Funds | | | |
|--|--------------------|-----------------------------|------------------------------------|-----------------|---------------|----------------------------------|
| Particulars | No of SCP Projects | Estimated Cost (Rs. In Crs) | Grant- Smart City (Centre / State) | Central Schemes | PPP | ULB Own Sources, Ongoing Schemes |
| AREA BASED DEVELOPMENT | | | | | | |
| A URBAN BASIC SERVICES | | | | | | |
| MODULE SUB TOTAL | 15 | 771.51 | 626.63 | 96.92 | 12.99 | 34.97 |
| B LAND-USE EFFICIENCY | | | | | | |
| MODULE SUB TOTAL | 5 | 238.00 | 156.53 | 0.00 | 80.25 | 1.21 |
| C CULTURAL IDENTITY & HERITAGE | | | | | | |
| MODULE SUB TOTAL | 9 | 126.48 | 39.31 | 80.36 | 2.81 | 4.00 |
| D RESILIENCE & ECO-FRIENDLINESS | | | | | | |
| MODULE SUB TOTAL | 3 | 143.68 | 9.85 | 22.87 | 46.36 | 64.60 |
| E SOCIO-ECONOMICS INCLUSIVENESS | | | | | | |
| MODULE SUB TOTAL | 3 | 106.44 | 39.31 | 47.95 | 0.00 | 19.17 |
| ABD MODULES SUB TOTAL | 35 | 1386.12 | 871.64 | 248.10 | 142.42 | 123.96 |
| PAN CITY PROJECTS | | | | | | |
| PAN CITY MODULE SUB TOTAL | 8 | 152.08 | 128.37 | 11.98 | - | 11.71 |
| SCP TOTAL | 43 | 1538.19 | 1000.00 | 260.10 | 142.40 | 135.70 |

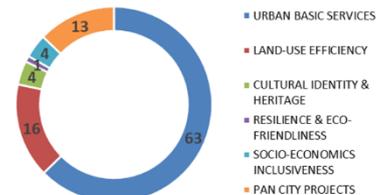
%age Share of Sources of Fund in Estimated SCP Cost (Rs 1538.19 Cr)



Module wise %age Share of Total SCP Estimated Cost - Rs 1538.19 Cr



Module wise %age Share of Total Smart City Grant - Rs 1000 Cr



2.2 Thiruvananthapuram Smart City Project progress:

As per our contract deliverables we are in the stage of preparation of Feasibility Reports, Situation Analysis Reports, Detailed Project Reports, RFP/Tenders, for the fast track phase-1 and other priority projects identified by joint consultation with SCTL.

List of deliverables like SARs, FRs, DPRs, RFPs, Eols and MPRs submitted by PMC till 31st December 2019 are indicated in following table:

| SITUATION ANALYSIS REPORT DELIVERABLES 39 PROJECTS, 20 REPORTS | FEASIBILITY REPORTS DELIVERABLES 34 PROJECTS, 31 REPORTS | DETAILED PROJECT REPORTS DELIVERABLES 27 PROJECTS, 47 REPORTS | REQUEST FOR PROPOSAL (RFP) DELIVERABLES 20 PROJECTS, 24 REPORTS | Expression of Interest - 6 PROJECTS |
|---|---|---|---|--|
| 1 Redesign of Bus Stops with WiFi Hotspot Facilities | 1 Redesign of Bus Stops with WiFi Hotspot Facilities (Ph-I) | 1 Redesign of Bus Stops with WiFi Hotspot Facilities (Ph-I) | 1 Upgradation of Existing Public Toilets | 1 Last Mile Connectivity- Public Bicycle Sharing |
| 2 Decentralised Solid Waste Management | 2 Decentralised Solid Waste Management | 2 Decentralised Solid Waste Management | 2 Upgradation of Anganwadis | 2 Last Mile Connectivity- E-Autos |
| 3 Upgradation of Existing Public Toilets | 3 Upgradation of Existing Public Toilets | 3 Upgradation of Existing Public Toilets | 3 Drinking Water Fountains | 3 Sustainable Campuses - (Solar Rooftop) |
| 4 Drinking Water Fountains | 4 Drinking Water Fountains | 4 Drinking Water Fountains | 4 Interactive Information Kiosks & Display boards | 4 Multi Level Car Parking (MLCP) cum Commercial Complexes (providing land for construction and operation & maintenance of multi-level car parking facility) |
| 5 MLCPs cum Commercial Complexes - (4 Nos.) | 5 MLCPs cum Commercial Complexes - (4 Nos.) | 5 MLCPs cum Commercial Complexes - (4 Nos.) | 5 Sustainable Campuses - (Solar Rooftop) | 5 Redevelopment of Palayam Market - SWM |
| 6 Last Mile Connectivity - E-Autos | 6 Last Mile Connectivity - E-Autos | 6 Last Mile Connectivity - E-Autos | 6 Sustainable Campuses - (Rainwater Harvesting) | 6 Submission of "Notice (Expression of Interest) for the Pre-Qualification of Domestic (Indian) Entities Registered Bidders of Kerala PWD/Central PWD/Other Central or State Government Departments/State or Central Public Sector Undertakings equal to class B or class A contractor (license of such respective authorities for undertaking excavation, loading and transportation of buried solid waste at Palayam & Chalai Markets in Thiruvananthapuram City in the state of Kerala, India." |
| 7 Last Mile Connectivity - Public Bicycle Sharing | 7 Last Mile Connectivity - Public Bicycle Sharing | 7 Last Mile Connectivity - Public Bicycle Sharing | 7 Redevelopment of existing public toilets (Phase-2) | |
| 8 Interactive Information Kiosks & Display boards | 8 Interactive Information Kiosks & Display boards | 8 Interactive Information Kiosks & Display boards | 8 Smart Road - PHASE I | |
| 9 Cultural streets - (Manveeyam Veedhi) | 9 Cultural streets - (Manveeyam Veedhi) | 9 Cultural streets - (Manveeyam Veedhi) | 9 *Road and Junction Improvement | |
| 10 Linked Green Activity Zones- Parks and Open Spaces | 10 Linked Green Activity Zones- Parks and Open Spaces | 10 Linked Green Activity Zones- Parks and Open Spaces | 10 *Storm Water Drains | |
| 11 Sustainable Campuses - (Solar Rooftop) | 11 Sustainable Campuses - (Solar Rooftop) | 11 Sustainable Campuses - (Solar Rooftop) | 10 *Way Finding Signage and Markers | |
| 2 Integrated Social Housing Complex - Slum HHs | 2 Integrated Social Housing Complex - Slum HHs | 2 Integrated Social Housing Complex - Slum HHs | 11 *Way Finding Signage and Markers | |
| 3 OAT at Putharikandam Maidanam | 3 OAT at Putharikandam Maidanam | 3 OAT at Putharikandam Maidanam | 11 *NMT - Cycle Tracks, Footpaths railings etc. | |
| 4 Sustainable Campuses - (Rainwater Harvesting) | 4 Sustainable Campuses - (Rainwater Harvesting) | 4 Sustainable Campuses - (Rainwater Harvesting) | 12 *On Street Parking lots | |
| 5 Upgradation of Anganwadis | 5 Upgradation of Anganwadis | 5 Upgradation of Anganwadis | 12 *Installation of Solar panels on rooftop in Govt. Institutions | |
| 6 Heritage Trails & Walks | 6 Heritage Trails & Walks | 6 Heritage Trails & Walks | 13 Traffic & Transportation - (Intelligent Transport, variable Message Sign & Smart Parking) | |
| 7 Charitra Veedhi | 7 Charitra Veedhi | 7 Charitra Veedhi | 14 Adaptive Traffic Control System (ATCS) | |
| 8 Smart Road | 8 Smart Road | 8 Smart Road | 14 E-Rickshaw | |
| 9 Redevelopment of Palayam Market | 9 Redevelopment of Palayam Market | 9 Redevelopment of Palayam Market | 15 E-Auto | |
| 10 Smart Water Network | 10 Smart Water Network | 10 Smart Water Network | 15 OAT at Putharikandam Maidanam | |
| 11 Centralised Command Control Centre | 11 Centralised Command Control Centre | 11 Centralised Command Control Centre | 15 Redesign of Bus Stops with Wi-Fi Hotspot Facilities | |
| 12 Traffic & Transportation - ITMS | 12 Traffic & Transportation - ITMS | 12 Traffic & Transportation - ITMS | 15 Facilities | |
| 13 Smart Mosquito Density System | 13 Smart Mosquito Density System | 13 Smart Mosquito Density System | 16 Linked Green Activity Zones - Open Gym | |
| 14 SWM Data Centre | 14 SWM Data Centre | 14 SWM Data Centre | 16 Redevelopment | |
| 15 Safety & Security - Surveillance | 15 Safety & Security - Surveillance | 15 Safety & Security - Surveillance | 17 THAMPANOOR RAILWAY STATION: Multi Level Car Parking (MLCP) cum Commercial Complex | |
| 16 Unified e-Governance Portal | 16 Unified e-Governance Portal | 16 Unified e-Governance Portal | 17 Heritage Conservation - (Tanks - Sreekanthaswaram & Puthenchantha) | |
| 17 Disaster Management | 17 Disaster Management | 17 Disaster Management | 18 Interactive Information Kiosks & Display boards (IT Works) | |
| 18 Centralised Command Control Centre (Civil) * | 18 Centralised Command Control Centre (Civil) * | 18 Centralised Command Control Centre (Civil) * | 19 Redevelopment of Palayam Market | |
| 19 On-street Parking lots | 19 On-street Parking lots | 19 On-street Parking lots | 20 (Pit Puzzle Parking Palayam Basement); Multi Level Car Parking (MLCP) cum Commercial Complex | |
| 20 Heritage Conservation - Tanks | 20 Heritage Conservation - Tanks | 20 Heritage Conservation - Tanks | 21 | |
| 21 Integrated Transit node (East Fort Bus Stand) | 21 Integrated Transit node (East Fort Bus Stand) | 21 Integrated Transit node (East Fort Bus Stand) | 21 | |
| 22 Non Vehicular zone | 22 Non Vehicular zone | 22 Non Vehicular zone | 21 | |
| 23 Vending zones | 23 Vending zones | 23 Vending zones | 21 | |
| 24 Thampanoor Railway Commercial Complex | 24 Thampanoor Railway Commercial Complex | 24 Thampanoor Railway Commercial Complex | 21 | |
| 25 Upgradation of Public Health Centres | 25 Upgradation of Public Health Centres | 25 Upgradation of Public Health Centres | 21 | |
| 26 Heritage settlements (Agharaams) | 26 Heritage settlements (Agharaams) | 26 Heritage settlements (Agharaams) | 21 | |
| 27 Renovation of Shri Anantha Padmanabhiswamy Temple Precinct | 27 Renovation of Shri Anantha Padmanabhiswamy Temple Precinct | 27 Renovation of Shri Anantha Padmanabhiswamy Temple Precinct | 21 | |
| 28 (Facilities, Renovation of structures, connectivity, signage, walkways) | 28 (Facilities, Renovation of structures, connectivity, signage, walkways) | 28 (Facilities, Renovation of structures, connectivity, signage, walkways) | 21 | |
| 29 Anantha - Phase II (Disaster Management) | 29 Anantha - Phase II (Disaster Management) | 29 Anantha - Phase II (Disaster Management) | 21 | |
| 30 Warehouse facilities with ancillary activities at Chalai- Chalai warehouse with commercial complex | 30 Warehouse facilities with ancillary activities at Chalai- Chalai warehouse with commercial complex | 30 Warehouse facilities with ancillary activities at Chalai- Chalai warehouse with commercial complex | 21 | |
| 31 Chalai- Chalai warehouse with commercial complex | 31 Chalai- Chalai warehouse with commercial complex | 31 Chalai- Chalai warehouse with commercial complex | 21 | |
| 32 Integrated Transit node (East Fort Bus Stand) | 32 Integrated Transit node (East Fort Bus Stand) | 32 Integrated Transit node (East Fort Bus Stand) | 21 | |
| 33 | 33 | 33 | 21 | |
| 34 | 34 | 34 | 21 | |
| 35 | 35 | 35 | 21 | |
| 36 | 36 | 36 | 21 | |
| 37 | 37 | 37 | 21 | |
| 38 | 38 | 38 | 21 | |
| 39 | 39 | 39 | 21 | |
| 40 | 40 | 40 | 21 | |
| 41 | 41 | 41 | 21 | |
| 42 | 42 | 42 | 21 | |
| 43 | 43 | 43 | 21 | |
| 44 | 44 | 44 | 21 | |
| 45 | 45 | 45 | 21 | |
| 46 | 46 | 46 | 21 | |
| 47 | 47 | 47 | 21 | |

Table 2: Thiruvananthapuram Smart City Project brief progress (as on 31st December 2019)

| MODULE STATUS | No. of SCP Projects | Amount in Cr. |
|---|---------------------|---------------|
| ABD PROJECTS | | |
| DPR Completed | 22 | 571.26 |
| Administrative Sanction Received | 20 | 455.50 |
| Technical Sanction Received | 18 | 88.85 |
| Tendered | 11 | 54.24 |
| Work Awarded | 7 | 8.63 |
| PAN CITY PROJECTS | | |
| DPR Completed | 5 | 123.14 |
| Administrative Sanction Received | 4 | 49.26 |
| Technical Sanction Received | 3 | 48.64 |
| Tendered | 2 | 41.22 |
| Work Awarded | 0 | 0 |
| CONVERGENCE PROJECTS | | |
| DPR Completed | 4 | 89.21 |
| Administrative Sanction Received | 4 | 89.21 |
| Technical Sanction Received | 4 | 87.40 |
| Tendered | 4 | 87.41 |
| Work Awarded | 4 | 87.01 |
| TOTAL PROJECTS (Without Convergence) | | |
| DPR Completed | 27 | 694.40 |
| Administrative Sanction Received | 24 | 504.76 |
| Technical Sanction Received | 21 | 137.49 |
| Tendered | 13 | 95.46 |
| Work Awarded | 7 | 8.63 |

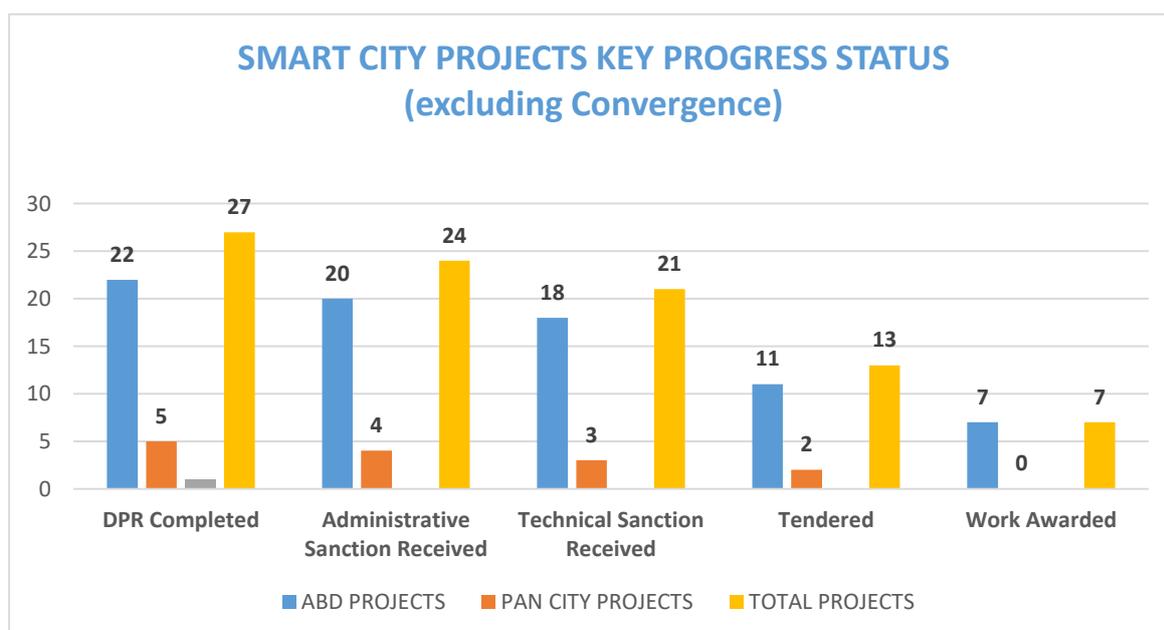


Table 3 Project Wise Current Status and DPR cost

| PROJECT WISE PROGRESS STATUS | | | |
|---|-----------------------------|-------------------------------|----------------------|
| Project Details | | | |
| Particulars | Estimated Cost (Rs. in Crs) | CURRENT STATUS | DPR COST (Rs. in Cr) |
| AREA BASED DEVELOPMENT | | | |
| A URBAN BASIC SERVICES | | | |
| 1 Continuous Piped Water Supply | 22.83 | WORK COMPLETED - Convergence | 1.65 |
| 2 Under Ground Drainage Network | 26.57 | WORK COMPLETED - Convergence | 1.98 |
| 3 Decentralised Solid Waste Management | 2.57 | DPR SUBMITTED | 8.09 |
| 4 Upgradation of Existing Public Toilets | 1.41 | LOA ISSUED / WORK STARTED | 1.52 |
| 5 Storm Water Drains | 47.50 | WORK COMPLETED - Convergence | 5.22 |
| 6 Underground Ducting of Utilities | 160.30 | | |
| 7 On-street Parking lots | 1.46 | | |
| 8 Road and Junction Improvement | 319.56 | DPR SUBMITTED | 394.16 |
| 9 Way Finding Signage and Markers | 0.57 | | |
| 10 NMT (Cycle Tracks and Footpaths Railing, Pavers, Formator, Curb stones) | 77.00 | | |
| 11 Drinking Water Fountains | 7.32 | LOA ISSUED | 2.52 |
| 12 MLCPs cum Commercial Complexes (2 No.s) (Thampanoor, Palayam) | 96.68 | TENDER ISSUED (Thampanoor) | 30.57 |
| 13 Redesign of Bus Stops with WiFi Hotspot Facilities | 4.10 | LOA ISSUED / WORK STARTED | 5.07 |
| 14 Last Mile Connectivity (e-autos, taxi stands, bicycle sharing pods) | 1.92 | TENDER ISSUED | 0.61 |
| 15 Non Vehicular Zone | 1.72 | DPR UNDER PREPARATION | |
| MODULE SUB TOTAL | 771.51 | | 451.39 |
| B LAND-USE EFFICIENCY | | | |
| 16 Thampanoor Railway Commercial Complex | 44.38 | CONSENT AWAITED | |
| 17 Redevelopment of Palayam Market | 118.22 | DPR SUBMITTED | 80.86 |
| 18 Integrated Transit node (East Fort Bus Stand) | 54.51 | DPR UNDER PREPARATION | |
| 19 Warehouse facilities with ancillary activities at Chalai | 10.82 | DPR UNDER PREPARATION | |
| 20 OAT at Putharikandam Maidanam | 10.07 | TENDER ISSUED | 15.93 |
| MODULE SUB TOTAL | 238.00 | | 96.79 |
| PROJECT WISE PROGRESS STATUS | | | |
| Project Details | | | |
| Particulars | Estimated Cost (Rs. in Crs) | CURRENT STATUS | DPR COST (Rs. in Cr) |
| AREA BASED DEVELOPMENT | | | |
| C CULTURAL IDENTITY & HERITAGE | | | |
| 21 Heritage Trails & Walks - Façade, Wall painting & Floor Marking | 3.23 | DPR SUBMITTED | 0.95 |
| 22 Interactive Information Kiosks & Display boards | 0.29 | LOA ISSUED / WORK STARTED | 0.60 |
| 23 Heritage Conservation - (Monuments, Tanks, Façade Improvement, Gateways, Clock tower) | 11.69 | TENDER ISSUED (Tanks) | 1.43 |
| 24 Chalai Bazaar Improvement - (Streetscaping, signage, furniture, etc.) | 3.60 | CONSENT AWAITED | |
| 25 Renovation of Shri Anantha Padmanabhaswamy Temple Precinct | 89.29 | NEAR COMPLETION - Convergence | 80.36 |
| 26 Wi-Fi Lounges | 5.62 | CONSENT AWAITED | |
| 27 Urban Street Haat - (Charitha Veedhi) | 4.68 | DPR SUBMITTED | 5.22 |
| 28 Cultural streets - (Manveeyam Veedhi) | 3.40 | DPR SUBMITTED | 1.60 |
| 29 Heritage settlements (Agraharams) | 4.68 | CONSENT AWAITED | |
| MODULE SUB TOTAL | 126.48 | | 90.16 |
| D RESILIENCE & ECO-FRIENDLINESS | | | |
| 30 Anantha - Phase II (Disaster Management) | 64.60 | DPR UNDER PREPARATION | |
| 31 Linked Green Activity Zones and Pedestrian Streets | 12.85 | LOA ISSUED / WORK STARTED | 4.47 |
| 32 Sustainable Campuses - (Solar Rooftop, Rainwater harvesting and PBS) | 66.23 | LOA ISSUED / TENDER ISSUED | 12.47 |
| MODULE SUB TOTAL | 143.68 | | 16.94 |
| E SOCIO-ECONOMICS INCLUSIVENESS | | | |
| 33 Integrated Social Housing Complex - Slum HHs | 95.90 | DPR UNDER PREPARATION | |
| 34 Upgradation of Anganwadis & Public Health Centres | 5.27 | WORK STARTED/DPR Submitted | 2.77 |
| 35 Vending zones | 5.27 | DPR SUBMITTED | 2.43 |
| MODULE SUB TOTAL | 106.44 | | 5.20 |
| ABD MODULES SUB TOTAL | 1386.12 | | 660.47 |
| PAN CITY PROJECTS | | | |
| 1 Centralised Command Control Centre | 29.63 | DPR SUBMITTED (CIVIL & ICT) | 73.87 |
| 2 Smart Water Network | 58.55 | DPR SUBMITTED | |
| 3 Traffic & Transportation - (Intelligent transport, variable Message Signboards & Smart Parking) | 23.96 | | |
| 4 Safety & Security - (CCTV Camera Surveillance System & Street Lighting with Control System) | 23.74 | TENDER ISSUED along with ATCS | 48.64 |
| 5 Smart Mosquito Density System | 0.54 | DPR SUBMITTED | 0.63 |
| 6 SWM Data Centre | 0.12 | DPR UNDER PREPARATION | |
| 7 Unified e-GOVERNANCE PORTAL | 5.00 | DPR UNDER PREPARATION | |
| 8 Disaster Management - (Local Warning cum Response System) | 10.54 | DPR UNDER PREPARATION | |
| MODULE SUB TOTAL | 152.08 | | 123.14 |
| GRAND TOTAL (including Convergence) | 1538.19 | | 783.61 |

2.3 Project Tenders Floated

Details of project tenders floated till 31st December 2019 are indicated below:

Table 4: Details of tendered projects till 31st December 2019

| Sl. No | Name of the Project | Probable Amount of Contract (PAC) | Tender no. | Tender Issue date | Closing Date and Time for Receipt of RFP | Time and Date of Opening of Technical BID |
|--------|---|-----------------------------------|-------------------------|-------------------|--|---|
| 1 | Supply & Installation of Open Air Gym (Outdoor) & Child Play Equipment at Various Locations in Thiruvananthapuram City with Defect Liability Period of One Year & Operation And Maintenance of Five | Rs.40,10,825/- | SCTL/PRJ/231/2018/UD/01 | 29.10.2018 | 21/11/18,17 00 Hrs IST | 22/11/18,1000 Hrs IST |

| Sl. No | Name of the Project | Probable Amount of Contract (PAC) | Tender no. | Tender Issue date | Closing Date and Time for Receipt of RFP | Time and Date of Opening of Technical BID |
|--------|---|-------------------------------------|---|-------------------|--|---|
| | Years under the Smart Cities Mission Program of Government of India | | | | | |
| 2 | Selection of Contractor for Upgradation of Public Toilets at Six (6) Identified Locations. | Rs. 48,43,793/- | SCTL/PRJ/RFP PT/13/2018/01 | 26.11.2018 | 06/01/2019; 10.00 AM | 07/01/2019; 1600 Hrs IST |
| 3 | Selection of Construction of new Building for fixing/placing the Information Kiosk with Wi Fi facilities at various locations in ABD Area. | Rs. 8,44,474/- | SCTL/PRJ/222/2018/ RFP CIVIL OF INFORMATION KIOSKS/01 | 26.11.2018 | 27/12/2018; 1730 Hrs. IST | 29/12/2018; 1000 Hrs IST |
| 4 | Design, Supply, Installation, Testing, Commissioning, Operation and Maintenance of the Interactive information kiosk and Display boards in 5 identified locations in ABD area, Thiruvananthapuram | Rs.43,25,000/- | NIT No. SCTL-PRJ/222/2019-IT | 30.11.2019 | 21/12/2019; 1730 Hrs IST | 24/12/2019; 1230 Hrs. IST |
| 5 | Design, Supply, Installation, Commissioning and Operation & Maintenance of Water Kiosks in ABD | Rs. 2,17,81,835 (without GST) | SCTL/PRJ/207/2018/RFP- Water Kiosks/01 | 04.01.2019 | 25/01/2019; 1700 Hrs IST | 29/01/2019; 12 00 Hrs IST |
| | | | SCTL/PRJ/207/2018/RFP- Water Kiosks/02 | 18.02.2019 | 02/03/2019; 1600 Hrs IST | 04/03/2019; 12 00 Hrs IST |
| | | | SCTL/PRJ/207/2019/RFP- Water Kiosks/03 | 07.09.2019 | 05/10/2019 1730 Hrs IST | 09/10/2019 1200 Hrs IST |
| 6 | Redevelopment of Bus Queue Shelters at 6 Identified locations | Rs. 89,99,294/- (excluding GST) | SCTL/PRJ/212/2018/UD /01 | 16-02-2019 | 02/03/2019; 1600 Hrs IST | 04/03/2019; 1200 Hrs IST |
| 7 | Redevelopment of Public Toilets | Rs. 50,86,808.78 /- (excluding GST) | SCTL/PRJ/205/2018/M(PMM) /1A | 1 -16.02.2019 | 02/03/2019; 1600 Hrs IST | 04/03/2019; 1230 Hrs IST |
| | | | SCTL/PRJ/205/2018/M(PMM) /1A | 2.07.03.2019 | 22/04/2019; 4.00 PM | 23/04/2019; 1200 Hrs IST |
| | | Rs. 54,52,591/- (excluding GST) | SCTL/PRJ/205/2018/M(PMM)/3 A | 3. 11.10.2019 | 05/11/2019; 1200 Hrs IST | 07/11/2019; 1200 Hrs IST |
| 8 | Selection of Contractor for Procurement Of 15 E-Autos (Design, Manufacture, On-Site Supply, and Maintenance Support) in Thiruvananthapuram | - | SCTL/PRJ/213/2018/RFP-EAUTO/01 | 1 - 16.02.2019 | 02/03/2019; 1730 Hrs IST | 04/03/2019; 1200 Hrs IST |
| | | - | SCTL/PRJ/213/2018/RFP-EAUTO/01 | 2 - 07.03.2019 | 21/03/2019; 1730 Hrs IST | 23/03/2019; 1200 Hrs IST |
| | | - | SCTL/PRJ/213/2018/RFP-EAUTO/01 | 3 - 10.06.2019 | 16/07/2019; 1600 Hrs IST | 03/07/2019; 1200 Hrs IST * |
| 9 | Selection of Contractor for Procurement Of 15 Erickshaws (Design, Manufacture, On-Site Supply, and Maintenance Support) in Thiruvananthapuram | - | SCTL/PRJ/213/2018/RFP-Erickshaw/01 | 1. 16.02.2019 | 02/03/2019; 1600Hrs IST | 04/03/2019; 1200 Hrs IST |
| | | - | SCTL/PRJ/213/2018/RFP-ERICKSHAW/01 | 2. 10.06.2019 | 17/07/2019; 1600 Hrs IST | 03/07/2019; 1200 Hrs IST* |
| 10 | Supply, Installation, Commissioning, Operation and Maintenance of the Rainwater Harvesting System | Rs. 70,77,299/- (Excluding GST) | SCTL/PRJ/232/2018/M (PMM) | 01.03.2019 | 22/04/2019; 4.00 PM | 23/04/2019; 1200 Hrs IST |
| 11 | Upgradation of Anganwadi – Phase 1 | Rs. 39,26,214 (Excluding GST) | SCTL/PRJ/234/2018/UD | 01.03.2019 | 14/03/2019; 1600 Hrs IST | 15/03/2019; 1600 Hrs IST |

| Sl. No | Name of the Project | Probable Amount of Contract (PAC) | Tender no. | Tender Issue date | Closing Date and Time for Receipt of RFP | Time and Date of Opening of Technical BID |
|--------|--|-----------------------------------|--|-------------------|--|---|
| 12 | Roof Mounted Solar PV Power Plant on Various Buildings | Rs. 3,48,39,534.11 | SCTL/PRJ/132/2018/RFP-Solar/01 | 10.06.2019 | 11/07/2019; 1600 Hrs IST | 15/07/2019; 1600 Hrs IST |
| 13 | Selection of Contractor for Redevelopment and Landscaping of Ponnara Sreedhar Park | Rs. 86,91,209/- | SCTL/PRJ/231/2018/UD/01/Op en Park-Ponnara | 10.06.2019 | 17/07/2019; 1600 Hrs IST | 18/07/2019; 1600 Hrs IST |
| | | | SCTL/PRJ/231/2019/UD/01/Op en Park-Ponnara | 27.07.2019 | 26/08/2019; 1730 Hrs IST | 28/08/2019; 1730 Hrs IST |
| 14 | Construction of Multi Level Car Parking Cum Commercial Complex at Thampanoor | Rs. 16,39,69,164.14 | SCTL/PRJ/232/2019/MPMM/RFP/01 | 30.10.2019 | 21/11/2019; 1730 Hrs IST | 23/11/2019; 1200 Hrs IST |
| 15 | Selection of Contractor for Temple Tanks Improvements in Thiruvananthapuram | Rs. 85,11,100.16 | SCTL/PRJ/223/2019/UD/RFP/01 | 30.10.2019 | 21/11/2019; 1730 Hrs IST | 23/11/2019; 1200 Hrs IST |
| | | | SCTL/PRJ/223/2019/UD/RFP-Tanks/01 | 03.12.2019 | 21/12/2019; 1730 Hrs IST | 24/12/2019; 1200 Hrs IST |
| 16 | Selection of Contractor for Construction of Open Air Theatre and Park at Putharikandam Maidanam (O&M included) | Rs. 8,11,79,769.79 | SCTL/PRJ/220/2019/RFP-OAT/UD-01 | 30.11.2019 | 21/12/2019; 1730 Hrs IST | 24/12/2019; 1200 Hrs IST |
| 17 | Selection of System Integrator for TSCCC and ATCS | Rs. 59,01,94,901 | SCTL-PRJ/241/2019-IT | 19.12.2019 | 31/01/2020; 1600 Hrs IST | 04/02/2020; 1200 Hrs IST |

2.4 Notice (Expression of Interest) Floated

Details of Notice (Expression of Interest) Floated till 31st December 2019 are indicated below:

Table 5: Details of Expression of Interest Floated till 31st December 2019

| Sl. No | Name of the Project | EOI/Tender no. | Tender Issue date | Closing Date and Time for Receipt of RFP | Time and Date of Opening of Technical BID |
|--------|--|--------------------------------|-------------------|--|---|
| 1 | "Notice (Expression of Interest) for the Pre-Qualification of Domestic (Indian) / Overseas Competent Manufacturers/Aggregators/ Operators for Electrical Autos (E-Autos) in Thiruvananthapuram City in the state of Kerala." | SCTL/PRJ/213/2018/EOI-AUTO/01 | 26-11-2018 | 18/12/2017 1600 Hrs. IST | 21 /12/2018 1000 Hrs. IST |
| 2 | Expressions of Interest from entities for the setting -up and operation of the Public Bicycle Sharing System . The entities that would participate in the EOI process will be given additional weightage in upcoming tendering process based on its proposal and performance of Proof of Concept (POC) in Thiruvananthapuram | SCTL/PRJ/213/2018/EOI-PBS/01 | 26-11-2018 | 18/12/2017 1600 Hrs. IST | 21 /12/2018 1000 Hrs. IST |
| 3 | "Notice (Expression of Interest) for the Pre-Qualification of Domestic (Indian) / Overseas Competent Manufacturers/Empaneled Agencies with MNRE/ANERT/SECI /Roof Top Solar Projects Developers or Operators for Installation of grid connected rooftop solar photovoltaic power plant in 12 government buildings , Thiruvananthapuram City in the state of Kerala". | SCTL/PRJ/132/2018/EOI-Solar/01 | 26-11-2018 | 18/12/2017 1600 Hrs. IST | 21/12/2018 1700 Hrs. IST |
| 4 | Multi Level Car Parking (MLCP) cum Commercial Complexes (Providing land for construction and operation & maintenance of multi-level car parking facility) | SCTL/PRJ/208/2019/M(UP)/EOI-01 | 01-03-2019 | 14/03/2019 1600 Hrs. IST | 15/03/2019 1000 Hrs. IST |
| 5 | Design, Supply, Installation, Commissioning of Installation of Statues under Smart City Mission (SCM) in Thiruvananthapuram City | SCTL/PRJ/223/2019/EOI-UD-01 | 19-11-2019 | On 05/12/2019 1730 Hrs. IST | On 07/12/2019 1730 Hrs. IST |

3 PROJECT IMPLEMENTATION PROGRESS:

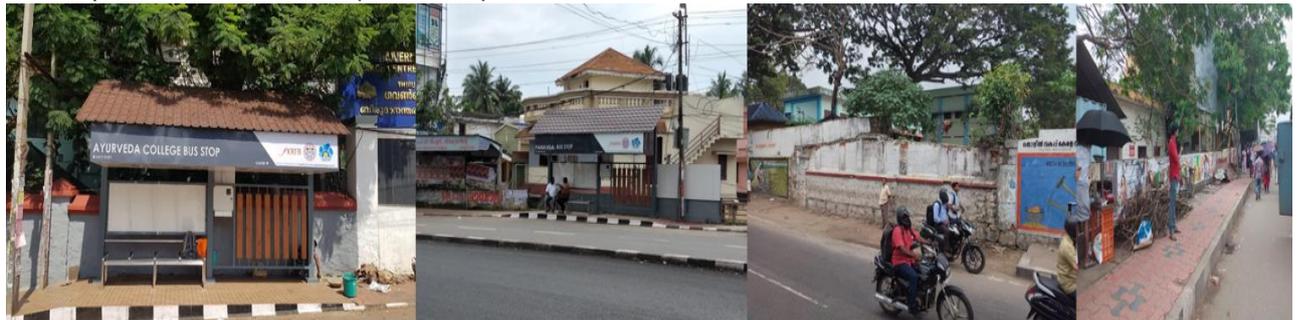
As per PMC ToR, for implementation of tendered projects, Letter of Awards (LoAs), Signed Agreements, facilitation of sanction drawings is being coordinated with SCTL and the finalised contractors. Following are the details of projects under implementation stage as on 31st December 2019:

Table 6: Details of Implementation of Tendered Projects as on 31st December 2019

| PROJECT DETAILS | | SUB PROJECT DETAILS | | IMPLEMENTATION | | |
|-----------------|--|---------------------|---|--|--------------------|-------------------------|
| S.N | PROJECT NAME | S.N | Project Scope | CURRENT STATUS | PROJECT START DATE | EXPECTED FINISHING DATE |
| 1 | Upgradation of Existing Public Toilets | 1 | Thambanoor Bus Terminal- In Gate | COMPLETED. HANDED OVER TO CLIENT. | 24-05-2019 | Contract Terminated |
| | | 2 | Thambanoor Bus Terminal- Out Gate | SITE YET TO HANDOVER | | |
| | | 3 | Sulabh Toilet - Corporation | UNDER PROGRESS | | |
| | | 4 | Sulabh Toilet - Vanchiyoor | SITE YET TO HANDOVER | | |
| | | 5 | Sulabh Toilet - Putharikhandam Maidam | UNDER PROGRESS | | |
| | | 6 | Sulabh Toilet - Thampanoor | SITE YET TO HANDOVER | | |
| 2 | Information Kiosk with Wi-fi facilities | 1 | Corporation Campus | UNDER PROGRESS | 30-05-2019 | Contract Terminated |
| | | 2 | Gandhi park | UNDER PROGRESS | | |
| 3 | Redevelopment of Bus Queue shelters at 6 locations | 1 | Womens college | SITE YET TO HANDOVER | 24-05-2019 | 25-Jan-20 |
| | | 2 | Panavila | COMPLETED | | |
| | | 3 | Killipalam boys school- loc 1 | UNDER PROGRESS | | |
| | | 4 | Killipalam boys school- loc 2 | STARTED/ WORK HOLD | | |
| | | 5 | Thampanoor railway station | STARTED | | |
| | | 6 | Ayurveda college | COMPLETED | | |
| 4 | Installation of Open air Gym and Child play Equipments | 1 | Gandhi Park | Completed.Only snags are pending. Inaguration of Gandhi park is done on 18-11-2019 | 10-05-2019 | |
| | | 2 | Sreekandeswaram Park | | | |
| | | 3 | Sree Chithira thirunal Park | | | |
| 5 | Upgradation of Anganwady at three identified locations | 1 | Rajaji Nagar, Chenkalchoola (Centre no: 63) | UNDER PROGRESS | 08.08.2019 | 31-Jan-20 |
| | | 2 | Thampanoor UP School-Centre no: 61 | UNDER PROGRESS | 02.08.2019 | 31-Jan-20 |
| | | 3 | Fort Sanskrit School-Centre no 60 | STARTED | 3.11.2019 | 31-Jan-20 |

Figure 1: Few glimpses of ongoing project execution works in the month of December 2019

Redevelopment of Bus Queue shelters (at 6 locations)



Installation of Open-air Gym and Child play Equipment (at 3 locations)



Upgradation of Anganwadi (at 3 locations)



Information Kiosk with Wi-fi facilities (at 2 locations)



Upgradation of Existing Public Toilets (at 3 locations)



Figure 2 Site Execution Monitoring by PMC and joint inspection with SCTL team





4 DELIVERABLES BY PMC (in the month of December 2019):

In the month of December 2019, PMC team has made 30 deliverables like, Detailed Project Reports, Request for Proposal (RFP) for Tender, Monthly Project Report (MPR), Revised Detailed project Reports, Revised Electrical Drawings and Estimate, Situation Analysis Report, Feasibility Report, Addendum Report etc. Following deliverables in the month of December 2019:

Table 7: Deliverables by PMC in the month of December 2019

| S.N | Project Name | Ref Letter No. | Date | Document Name |
|-----|--|--------------------------|-----------|--|
| 1 | Warehouse facilities with ancillary activities at Chalai | PMC/PD/PP-2/SAR/06 | 02-Dec-19 | SAR Submission |
| 2 | Redevelopment of Palayam Market | PMC/PD/PP/DPR/08f | 02-Dec-19 | Drawing of Excavation Details |
| 3 | Heritage Conservation - (Tanks) | SCTL/PMC/PD/PP-2/RFP/02a | 03-Dec-19 | Revised RFP |
| 4 | Redevelopment of Palayam Market | PMC/PD/PP/DPR/08g | 03-Dec-19 | Architectural Drawing Details |
| 5 | Upgradation of Public Health centres (PHCs) | PMC/PD/PP/DPR/11 | 04-Dec-19 | DPR Submission |
| 6 | Redevelopment of Palayam Market | PMC/PD/PP/DPR/08h | 05-Dec-19 | Structural Drawing (Roof Truss & Bridge) |
| 7 | Underground ducting of utilities: Smart Road – Chala Market Road & Manaveeyam Veedhi | PMC/PD/PP-2/DPR/01d | 05-Dec-19 | Revised Estimates and Drawings |
| 8 | Phase - II – Underground ducting of utilities: Smart Road – Road Signages & Utility Ducting Plans | PMC/PD/PP-2/DPR/03c | 05-Dec-19 | Revised Estimate (PWD Roads) |
| 9 | Monthly Progress Report (MPR) | SCTL/PMC/PD/88 | 07-Dec-19 | MPR- November - 2019 |
| 10 | Warehouse facilities with ancillary activities at Chalai | PMC/PD/PP-2/SAR/06a | 09-Dec-19 | Revised SAR |
| 11 | Decentralised Solid Waste Management (Palayam SWM) | IPE- SCTL/PMC/PD/DPR-06c | 09-Dec-19 | Addendum Report (Shortfall Documents Palayam) |
| 12 | Phase - II – Underground ducting of utilities: Smart Road – Road Signages & Utility Ducting Plans | PMC/PD/PP-2/DPR/03d | 09-Dec-19 | Revised Estimate (Corporation Road) |
| 13 | Redevelopment of Palayam Market | PMC/PD/PP/DPR/08i | 10-Dec-19 | Revised Estimate (Civil) |
| 14 | Integrated City Management Control Center (ICMCC) | PMC/PD/PP/DPR/09b | 11-Dec-19 | Revised DPR (ICT) |
| 15 | Traffic & Transportation - (Intelligent Transport, variable Message Signboards & Smart Parking) and Safety & Security - (CCTV Camera Surveillance System & Street Lighting with Control System) and ATCS | SCTL/PMC/PD/PP/RFP-05a | 12-Dec-19 | Revised RFP |
| 16 | Adaptive Traffic Control System (ATCS) | PMC/PD/PP2/DPR/06d | 12-Dec-19 | Revised DPR |
| 17 | MLCPs cum Commercial Complexes - Palayam A Block | SCTL/PMC/PD/FR-10a | 16-Dec-19 | FEASIBILITY REPORT SUBMISSION |
| 18 | Traffic & Transportation - (Intelligent Transport, variable Message Signboards & Smart Parking) and Safety & Security - (CCTV Camera Surveillance System & Street Lighting with Control System) and ATCS | SCTL/PMC/PD/PP/RFP-05b | 19-Dec-19 | Revised RFP for Publishing |
| 19 | Rehabilitation Facility for Palayam Vendors' | PMC/PD/PP/FR/10 | 20-Dec-19 | FEASIBILITY REPORT SUBMISSION |
| 20 | Heritage Trails & Walks - Façade, Wall painting & Floor Marking | SCTL/PMC/PD/PP/DPR-06g | 20-Dec-19 | Revised DPR |
| 21 | Redevelopment of Palayam Market | SCTL/PMC/PD/PP/RFP-06 | 21-Dec-19 | Draft RFP Submission - (Selection of Contractor for |

| S.N | Project Name | Ref Letter No. | Date | Document Name |
|-----|---|------------------------|-----------|---|
| | | | | Redevelopment of Palayam Market, Pit Puzzle Multi Level Car Parking in Basement and Pre-Fabricated Structure and Maintenance of Pit Puzzle Multi Level Car Parking Facilities at Palayam, Thiruvananthapuram) |
| 22 | Redesign of Bus Stops with WiFi Hotspot Facilities | SCTL/PMC/PD/DPR-07/P2f | 26-Dec-19 | DPR Submission (PH- II - 13 Locations alongwith KRFB Road) |
| 23 | Vending Zones | PMC/PD/PP/DPR/10a | 26-Dec-19 | Revised DPR Submission |
| 24 | MLCPs cum Commercial Complexes - Palayam Basement | SCTL/PMC/PD/RFP-11 | 27-Dec-19 | DRAFT BIDDING DOCUMENTS: 'Multi Level Car Parking (MLCP) cum Commercial Complex (Supply, Installation, Testing & Commissioning and Operation and Maintenance of Pit Puzzle Multi Level Car Parking in Basement of Palayam Market, Thiruvananthapuram) in Smart City ABD area' |
| 25 | Urban Street Haat - (Charitha Veedhi) | SCTL/PMC/PD/RFP-11 | 27-Dec-19 | Revised DPR Submission |
| 26 | Redevelopment of Palayam Market | SCTL/PMC/PD/PP/RFP-06a | 27-Dec-19 | Draft RFP Submission |
| 27 | 'Setting up Command and Control Centre for Pan City ICT Component | PMC/PD/PP/DPR/07d | 28-Dec-19 | Revised DPR Submission (Civil) |
| 28 | Warehouse facilities with ancillary activities at Chalai | PMC/PD/PP-2/FR/05 | 31-Dec-19 | FEASIBILITY REPORT SUBMISSION |
| 29 | Integrated Transit node (East Fort Bus Stand) | PMC/PD/PP-2/FR/06 | 31-Dec-19 | FEASIBILITY REPORT SUBMISSION |
| 30 | Phase - IV B – Underground ducting of utilities: Smart Road | PMC/PD/PP-2/DPR/07b | 31-Dec-19 | Detailed Project Report |

Following deliverables were submitted by PMC to SCTL in the month of December 2019:

PMC to Design, Develop, Manage and Implement Smart City Projects



ARCHITECTURAL DRAWINGS

REDEVELOPMENT OF PALAYAM MARKET

PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER - PD/PP/DPR/08g



REVISED SITUATION ANALYSIS REPORT

CHALAI WAREHOUSE & COMMERCIAL COMPLEX

PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER - PD/PP/DPR/08a



DETAILED ESTIMATE - PHASE B-A

SMART ROAD: UNDERGROUND DUCTING OF UTILITIES

Aalharu to Arakulangara Stelch & Chalai Eye roads

Thiruvananthapuram Smart City
SCP Module: Urban Basic Services
Document Number: PD/PP-2/DPR/03c



STRUCTURAL VETTING

ROOF TRUSS AND BRIDGE

REDEVELOPMENT OF PALAYAM MARKET

PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER - PD/PP/DPR/08b



DETAILED PROJECT REPORT

UPGRADATION OF PUBLIC HEALTH CENTERS (PHCs)

UPHC - Pajaji Nagar

PROJECT DOMAIN: SOCIO - ECONOMIC INCLUSIVENESS
DOCUMENT NUMBER - PMC/PS/PP/DPR/11



DETAILED ESTIMATE- PHASE 1 (REVISED)

SMART ROAD: UNDERGROUND DUCTING OF UTILITIES

CHALAI MARKET ROAD & MANAVEEYAM VEEDHI

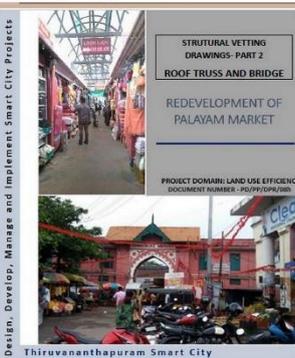
Thiruvananthapuram Smart City
SCP Module: Urban Basic Services
Document Number: PD/PP-2/DPR/01d



DRAWING - EXCAVATION DETAILS

REDEVELOPMENT OF PALAYAM MARKET

PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER - PD/PP/DPR/08g



SITUATION ANALYSIS REPORT

CHALAI WAREHOUSE & COMMERCIAL COMPLEX

PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER - PMC/PP/DPR/08a

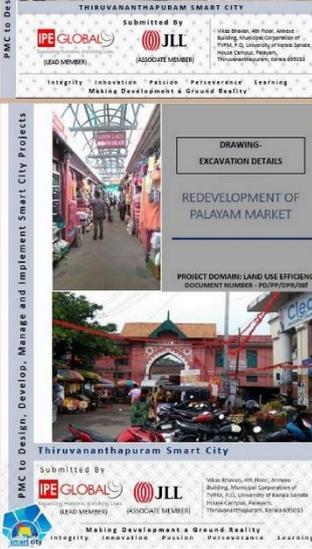


DETAILED ESTIMATE- PHASE 1 (REVISED)

SMART ROAD: UNDERGROUND DUCTING OF UTILITIES

CHALAI MARKET ROAD & MANAVEEYAM VEEDHI

Thiruvananthapuram Smart City
SCP Module: Urban Basic Services
Document Number: PD/PP-2/DPR/01d



DRAWING - EXCAVATION DETAILS

REDEVELOPMENT OF PALAYAM MARKET

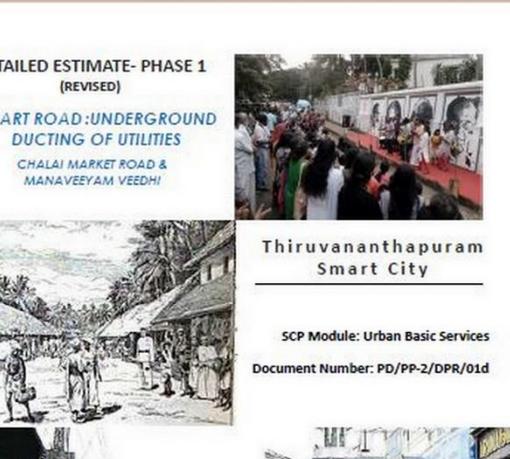
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SITUATION ANALYSIS REPORT

CHALAI WAREHOUSE & COMMERCIAL COMPLEX

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DETAILED ESTIMATE- PHASE 1 (REVISED)

SMART ROAD: UNDERGROUND DUCTING OF UTILITIES

CHALAI MARKET ROAD & MANAVEEYAM VEEDHI

Thiruvananthapuram Smart City
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DETAILED ESTIMATE- PHASE 1 (REVISED)

SMART ROAD: UNDERGROUND DUCTING OF UTILITIES

CHALAI MARKET ROAD & MANAVEEYAM VEEDHI

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DRAWING - EXCAVATION DETAILS

REDEVELOPMENT OF PALAYAM MARKET

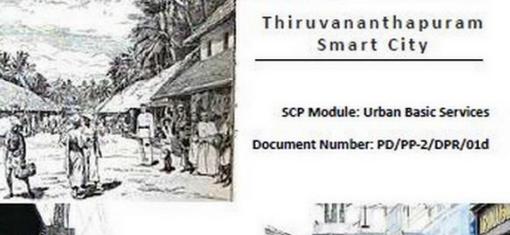
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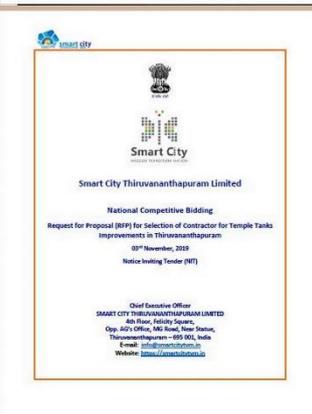


DETAILED ESTIMATE- PHASE 1 (REVISED)

SMART ROAD: UNDERGROUND DUCTING OF UTILITIES

CHALAI MARKET ROAD & MANAVEEYAM VEEDHI

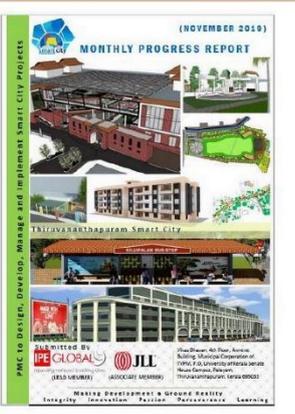
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DRAWING - EXCAVATION DETAILS

REDEVELOPMENT OF PALAYAM MARKET

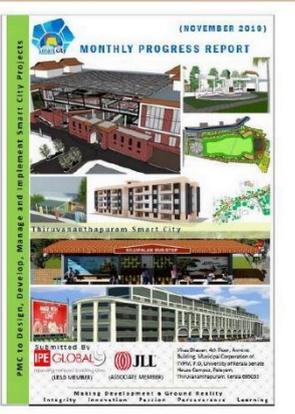
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SITUATION ANALYSIS REPORT

CHALAI WAREHOUSE & COMMERCIAL COMPLEX

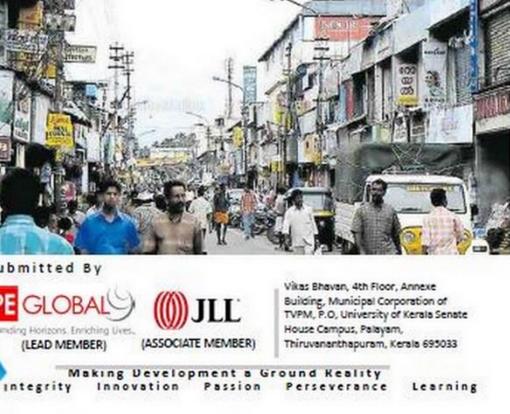
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MONTHLY PROGRESS REPORT

(NOVEMBER 2019)

THIRUVANANTHAPURAM SMART CITY

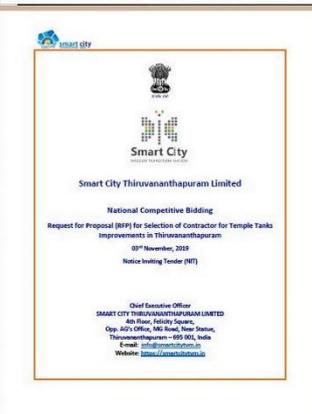


DETAILED ESTIMATE- PHASE 1 (REVISED)

SMART ROAD: UNDERGROUND DUCTING OF UTILITIES

CHALAI MARKET ROAD & MANAVEEYAM VEEDHI

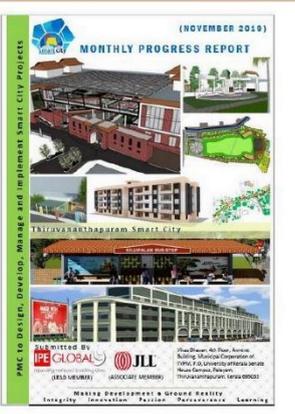
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DRAWING - EXCAVATION DETAILS

REDEVELOPMENT OF PALAYAM MARKET

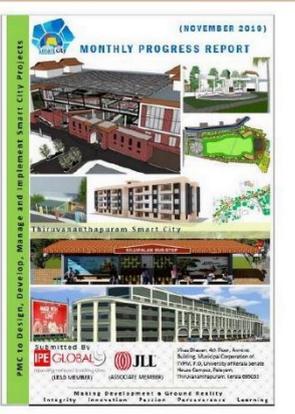
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SITUATION ANALYSIS REPORT

CHALAI WAREHOUSE & COMMERCIAL COMPLEX

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DOCUMENT NUMBER - PMC/PP/DPR/08a



MONTHLY PROGRESS REPORT

(NOVEMBER 2019)

THIRUVANANTHAPURAM SMART CITY



DETAILED ESTIMATE- PHASE 1 (REVISED)

SMART ROAD: UNDERGROUND DUCTING OF UTILITIES

CHALAI MARKET ROAD & MANAVEEYAM VEEDHI

Thiruvananthapuram Smart City
SCP Module: Urban Basic Services
Document Number: PD/PP-2/DPR/01d



DRAWING - EXCAVATION DETAILS

REDEVELOPMENT OF PALAYAM MARKET

PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER - PD/PP/DPR/08g



SITUATION ANALYSIS REPORT

CHALAI WAREHOUSE & COMMERCIAL COMPLEX

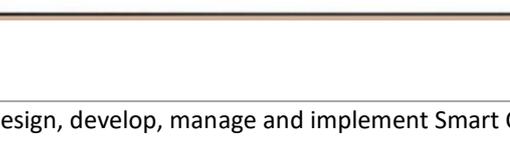
PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER - PMC/PP/DPR/08a



MONTHLY PROGRESS REPORT

(NOVEMBER 2019)

THIRUVANANTHAPURAM SMART CITY

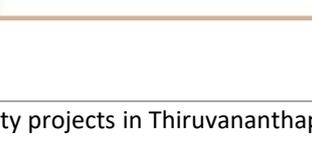


DETAILED ESTIMATE- PHASE 1 (REVISED)

SMART ROAD: UNDERGROUND DUCTING OF UTILITIES

CHALAI MARKET ROAD & MANAVEEYAM VEEDHI

Thiruvananthapuram Smart City
SCP Module: Urban Basic Services
Document Number: PD/PP-2/DPR/01d



DRAWING - EXCAVATION DETAILS

REDEVELOPMENT OF PALAYAM MARKET

PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER - PD/PP/DPR/08g



SITUATION ANALYSIS REPORT

CHALAI WAREHOUSE & COMMERCIAL COMPLEX

PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER - PMC/PP/DPR/08a



MONTHLY PROGRESS REPORT

(NOVEMBER 2019)

THIRUVANANTHAPURAM SMART CITY

PMc to Design, Develop, Manage and Implement Smart City Projects

DETAILED PROJECT REPORT (Revised)
ADAPTIVE TRAFFIC CONTROL SYSTEM
 (ROAD & JUNCTION IMPROVEMENT)

PROJECT DOMAIN: URBAN BASIC SERVICES
 DOCUMENT NUMBER - PMc/PD/PP/DPR/04

Thiruvananthapuram Smart City

Submitted By
IPe GLOBAL (LEAD MEMBER) **JLL** (ASSOCIATE MEMBER)

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Making Development a Ground Reality
 Integrity Innovation Passion Perseverance Learning

PMc to Design, Develop, Manage and Implement Smart City Projects

DETAILED PROJECT REPORT (Revised)
INTEGRATED CITY MANAGEMENT CONTROL CENTRE (ICMCC)

PROJECT DOMAIN: ICT-PM City
 DOCUMENT NUMBER - SCTL/PMc/PP/DPR/06

Thiruvananthapuram Smart City

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DETAILED PROJECT REPORT (DRAWINGS, ESTIMATE, QUOTATIONS)
HERITAGE TRAILS AND WALKS PROJECT- PART 1
 (CURATION, ICT AND SIGNAGE)

PROJECT DOMAIN: CULTURAL IDENTITY AND HERITAGE
 DOCUMENT NUMBER - PMc/PD/PP/DPR-06

Thiruvananthapuram Smart City

Submitted By
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Smart City Thiruvananthapuram Limited

System Integrator for Traffic & Safety Command Control Centre (TSCCC) and Adaptive Traffic Control System (ATCS)

13th December, 2019
 Notice Inviting Tender (NIT)

Chief Executive Officer
SMART CITY THIRUVANANTHAPURAM LIMITED
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 Thiruvananthapuram - 695 001, India
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 Website: <http://smartcitythiruvananthapuram.com>

PMc to Design, Develop, Manage and Implement Smart City Projects

REHABILITATION FACILITY FOR PALAYAM VENDORS'

PROJECT DOMAIN: LAND USE EFFICIENCY
 DOCUMENT NUMBER - PMc/PD/PP/FR-10

Thiruvananthapuram Smart City

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PMc to Design, Develop, Manage and Implement Smart City Projects

DETAILED ESTIMATE - PHASE II-B REVISED
SMART ROAD UNDERGROUND DUCTING OF UTILITIES
Chalai Bye Roads-(TMC roads)

Thiruvananthapuram Smart City

SCP Module: Urban Basic Services
 Document Number: PD/PP-2/DPR/03d

Submitted By
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PMc to Design, Develop, Manage and Implement Smart City Projects

ADDENDUM REPORT (Shortfall Documents) Palayam SWM

UPGRADATION OF EXISTING DECENTRALISED PROCESSING FACILITIES IN SMART CITY ADD AREA

PROJECT DOMAIN: URBAN INFRASTRUCTURE
 DOCUMENT NUMBER - PD/PP-06

Thiruvananthapuram Smart City

Submitted By
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PMc to Design, Develop, Manage and Implement Smart City Projects

FEASIBILITY REPORT
MULTI LEVEL CAR PARKING AT PALAYAM-A BLOCK

PROJECT DOMAIN: URBAN BASIC SERVICES
 DOCUMENT NUMBER - SCTL/PMc/PP/FR-10a

THIRUVANANTHAPURAM SMART CITY

Submitted By
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PMc to Design, Develop, Manage and Implement Smart City Projects

DETAILED PROJECT REPORT (REVISED)
REDEVELOPMENT OF PALAYAM MARKET

PART 2- ESTIMATION & QUOTATION
 PROJECT DOMAIN: LAND USE EFFICIENCY
 DOCUMENT NUMBER: PD/PP/DPR/08b

Thiruvananthapuram Smart City

Submitted By
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 Integrity Innovation Passion Perseverance Learning

Smart City Thiruvananthapuram Limited

Selection of System Integrator for Traffic & Safety Command Control Centre (TSCCC) and Adaptive Traffic Control System (ATCS)

13th December, 2019
 Notice Inviting Tender (NIT)

Chief Executive Officer
SMART CITY THIRUVANANTHAPURAM LIMITED
 4th Floor, Felicity Square,
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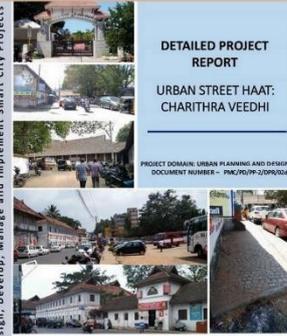
Smart City Thiruvananthapuram Limited

National Competitive Bidding
Selection of Contractor for Redevelopment of Palayam Market at Palayam, Thiruvananthapuram
21st December, 2019
Notice Inviting Tender (NT)

Chief Executive Officer
SMART CITY THIRUVANANTHAPURAM LIMITED
8th Floor, Facility Square,
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Email: info@smartcitythiruvam.in
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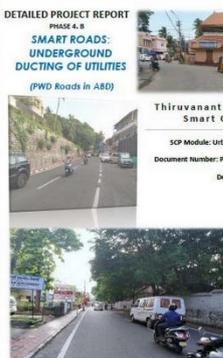
DETAILED PROJECT REPORT
URBAN STREET HAAT: CHARITHRA VEEDHI

PROJECT DOMAIN: URBAN PLANNING AND DESIGN
DOCUMENT NUMBER - PMC/PD/PP-2/FR-04



Submitted By
IPGLOBAL (LEAD MEMBER) **JLL** (ASSOCIATE MEMBER)

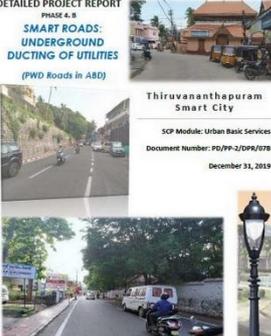
Vikas Bhavan, 4th Floor, Annexe Building, Municipal Corporation of TVPM, P.O. University of Kerala Senate House Campus, Palayam, Thiruvananthapuram, Kerala 695033



SMART ROADS: UNDERGROUND DUCTING OF UTILITIES
(PWD Roads in ABD)

Thiruvananthapuram Smart City

SCP Module: Urban Basic Services
Document Number: PD/PP-2/DPR/078
December 31, 2019



Submitted By
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Smart City Thiruvananthapuram Limited

National Competitive Bidding
Selection of Contractor for Supply, Installation, Testing & Commissioning and Operation and Maintenance of PIC Puzzle Multi Level Car Parking in Basement of Palayam Market, Thiruvananthapuram
20th December, 2019
Notice Inviting Tender (NT)

Chief Executive Officer
SMART CITY THIRUVANANTHAPURAM LIMITED
8th Floor, Facility Square,
Opp. ACP Office, MG Road, Near Statue,
Thiruvananthapuram - 695 001, India
Email: info@smartcitythiruvam.in
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SMART ROADS: UNDERGROUND DUCTING OF UTILITIES
(PWD Roads in ABD)

Thiruvananthapuram Smart City

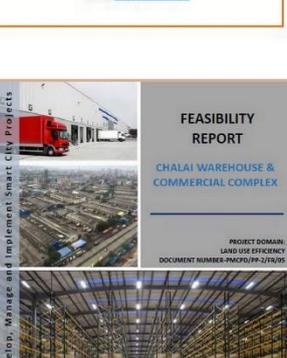
SCP Module: Urban Basic Services
Document Number: PD/PP-2/DPR/078
December 31, 2019



Submitted By
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SMART ROADS: UNDERGROUND DUCTING OF UTILITIES
(PWD Roads in ABD)

Thiruvananthapuram Smart City

SCP Module: Urban Basic Services
Document Number: PD/PP-2/DPR/078
December 31, 2019



Submitted By
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Making Development a Ground Reality
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Redesign of Bus Stops with Wi-Fi Hotspot Facilities - Phase 2
(Along KRFB Road)

CIVIL & ELECTRICAL WORKS

PROJECT DOMAIN: ROAD IMPROVEMENTS & TRANSPORT PLANNING
DOCUMENT NO. - SCT/PMC/PD/DPR-077/19



Submitted By
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FEASIBILITY REPORT
CHALAI WAREHOUSE & COMMERCIAL COMPLEX

PROJECT DOMAIN: LAND USE EFFICIENCY
DOCUMENT NUMBER: PMC/PD/PP-2/FR/05



Submitted By
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Smart City Thiruvananthapuram Limited

National Competitive Bidding
Selection of Contractor for Redevelopment of Palayam Market, PIC Puzzle Multi Level Car Parking in Basement and Pre-fabricated Structure and Maintenance of PIC Puzzle Multi Level Car Parking Facilities at Palayam, Thiruvananthapuram
21st December, 2019
Notice Inviting Tender (NT)

Chief Executive Officer
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REVISED DETAILED PROJECT REPORT
VENDING ZONES PROJECT: RKV ROAD

PROJECT DOMAIN: SOCIO-ECONOMIC INCLUSIVENESS
DOCUMENT NUMBER - PMC/PD/PP/DPR/028



Submitted By
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FEASIBILITY REPORT
Transit Node at East Fort

PROJECT DOMAIN: URBAN BASIC SERVICES
DOCUMENT NUMBER - PMC/PD/PP-2/FR-06



Submitted By
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Integrity Innovation Passion Perseverance Learning



DETAILED PROJECT REPORT (REVISED)
COMMAND AND CONTROL CENTRE (CIVIL)

PROJECT DOMAIN: URBAN BASIC SERVICES
DOCUMENT NUMBER - PMC/PD/PP/DPR/076



Submitted By
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4.1 Key Projects/Progress/Review Presentations:

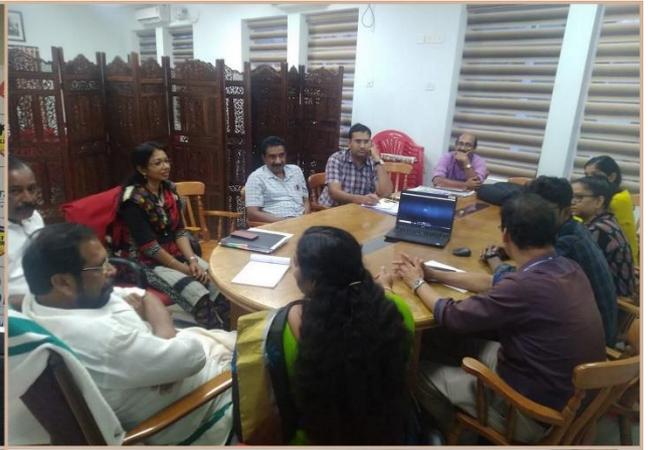
During the month of December 2019, PMC team had following key progress/project presentations:

Table 8: List of presentations in the month of December 2019.

| S.N | Date | Stakeholder/Department | Project Name | Key Agenda |
|-----|-----------|-------------------------------|---------------------------------|--|
| 1 | 06-Dec-19 | Sh Bala Kiran, IAS, CEO, SCTL | ITMS | TVM Smart City-Draft RFP ITMS-06.12.2019 |
| 2 | 06-Dec-19 | Sh Bala Kiran, IAS, CEO, SCTL | Heritage Trail Walks | AS Committee |
| 3 | 10-Dec-19 | Sh Bala Kiran, IAS, CEO, SCTL | ITMS | TVM Smart City-Draft RFP ITMS-10.12.2019 |
| 4 | 11-Dec-19 | Sh Bala Kiran, IAS, CEO, SCTL | Redevelopment of Palayam Market | PALAYAM VENDORS' REHAB FACILITY - Review |
| 5 | 13-Dec-19 | Sh Bala Kiran, IAS, CEO, SCTL | ICCC | AS Committee |
| 6 | 17-Dec-19 | Sh Bala Kiran, IAS, CEO, SCTL | ICCC | Design Finalization |
| 7 | 17-Dec-19 | Sh Bala Kiran, IAS, CEO, SCTL | Heritage Trail Walks | Revised signage design |

Picture 3: Few glimpses from Project Meetings (in the month of December 2019)





5 LETTERS SUBMITTED:

During the month of December 2019, for support required from SCTL, team mobilization to project office, deliverables submitted, concerns related to project planning, development and implementation, following letters were submitted to SCTL by PMC. Details of letters are indicated below:

Table 9: Details of letters submitted by PMC in the month of December 2019

| S.N | Letter No | Date | Subject | Address to |
|-----|----------------------------|-----------|--|------------------------------------|
| 1 | PMC/PD/PP-2/SAR/06 | 02-Dec-19 | Submission of Project deliverable - Situation Analysis Report- Warehouse facilities with ancillary activities at Chalai- Chalai warehouse with commercial complex (under LAND-USE EFFICIENCY Module in SCP). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 2 | PMC/PD/PP/DPR/08f | 02-Dec-19 | Submission of Drawing of Excavation Details - Redevelopment of Palayam Market (under Land Use Efficiency Module in SCP) | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 3 | SCTL/PMC/IMPL/Bus-Stops/28 | 02-Dec-19 | Redevelopment of Bus Queue Shelters at 6 Identified Locations – Contractor’s Running Account No. 1, Approval of rates for Quantities exceeding 25% of BoQ | Dr. Sanoop Gopikrishna GM- SCTL |
| 4 | SCTL/PMC/IMPL/Bus-Stops/29 | 02-Dec-19 | Redevelopment of Bus Queue Shelters at 6 Identified Locations – Contractor’s Running Account Bill No. 1 | Dr. Sanoop Gopikrishna GM- SCTL |
| 5 | SCTL/PMC/IMPL/PT-Ph1/17 | 02-Dec-19 | Upgradation of Public Toilets at 6 identified locations – Contractor’s Running Account No. 1, Approval of rates for Quantities exceeding 25% of BoQ | Dr. Sanoop Gopikrishna GM- SCTL |
| 6 | SCTL/PMC/PD/PP-2/RFP/02a | 03-Dec-19 | SUBMISSION OF REVISED NOTICE INVITING TENDER AND REQUEST FOR PROPOSAL FOR TENDER: - Heritage Conservation - (Tanks – Sreekanteswaram & Puthenchantha) (under CULTURAL IDENTITY & HERITAGE Module in SCP). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 7 | PMC/PD/PP/DPR/08g | 03-Dec-19 | Submission of Architectural Drawing Details - Redevelopment of Palayam Market (under Land Use Efficiency Module in SCP) | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 8 | SCTL/PMC/IMPL/Bus-Stops/30 | 03-Dec-19 | Redevelopment of Bus Queue Shelters at 6 Identified Locations (Phase 1) – 1st Extension of Time | Dr. Sanoop Gopikrishna GM- SCTL |
| 9 | SCTL/PMC/IMPL/Bus-Stops/31 | 04-Dec-19 | Redevelopment of Bus Queue Shelters at 6 Identified Locations – Approval of Extra item rates | Dr. Sanoop Gopikrishna GM- SCTL |
| 10 | PMC/PD/PP/DPR/11 | 04-Dec-19 | Submission of Detailed Project Report - Upgradation of Public Health Centres (PHCs) (under Socio-Economic Inclusiveness Module in SCP). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 11 | PMC/PD/PP/DPR/08h | 05-Dec-19 | Submission of Structural Drawing (Roof Truss & Bridge) - Redevelopment of Palayam Market (under Land Use Efficiency Module in SCP) | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 12 | PMC/PD/PP-2/DPR/01d | 05-Dec-19 | Submission of Revised Estimates and Drawings – Underground ducting of utilities: Smart Road – Chala Market Road & Manaveeyam Veedhi (Urban Basic Services SCP Module) | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 13 | PMC/PD/PP-2/DPR/03c | 05-Dec-19 | Revised Estimate - Phase - 2 – Underground ducting of utilities: Smart Road | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 14 | SCTL/PMC/IMPL/Solar/01 | 06-Dec-19 | Sustainable Campuses - (Solar Rooftop) - Documents to be submitted prior to Commencement of Work | Dr. Sanoop Gopikrishna GM- SCTL |

| S.N | Letter No | Date | Subject | Address to |
|-----|------------------------------|-----------|---|---|
| 15 | SCTL/PMC/PD/87 | 07-Dec-19 | Anantha II (Disaster Management) Project-Works proposed for Mitigation (Mayor Fund) Flood damages-Details of work carried out-Reg. | Dr. Sanoop Gopikrishna GM- SCTL |
| 16 | SCTL/PMC/PD/88 | 07-Dec-19 | Monthly Progress Report - November 2019 | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 17 | SCTL/PMC/PD/89 | 09-Dec-19 | Study on Flooding core area of Capital –On Water Shed basis by Translational research and Professional Leadership Centre (TPLC), GEC, Barton Hill -Sharing of Report-Personal discussions-compliance-Reg. | Dr. Sanoop Gopikrishna GM- SCTL |
| 18 | PMC/PD/PP-2/SAR/06a | 09-Dec-19 | Revised Situation Analysis Report-Warehouse facilities with ancillary activities at Chalai- Chalai warehouse with commercial complex (under LAND-USE EFFICIENCY Module in SCP). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 19 | IPE- SCTL/PMC/PD/DPR-06c | 09-Dec-19 | Addendum Report (Shortfall Documents Palayam) SUBMISSION: 'Decentralised Solid Waste Management in Smart City ABD area' (Fast Track Phase-1 Project). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 20 | PMC/TM/65 | 09-Dec-19 | Team mobilization to project office –Ms. Pournami Narayanan (Other Staff- Time Based Input – Urban Planner) | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 21 | SCTL/PMC/IMPL/PT-Ph1/18 | 09-Dec-19 | Upgradation of Public Toilets at 6 locations - Delay in Completion – Final Notice | Dr. Sanoop Gopikrishna GM- SCTL |
| 22 | SCTL/PMC/IMPL/Info-kiosks/18 | 09-Dec-19 | Construction of buildings for fixing Information Kiosks at 2 locations, Gandhi Park and TMC Sub: Delay in Completion of Work – Final Notice | Dr. Sanoop Gopikrishna GM- SCTL |
| 23 | PMC/PD/PP-2/DPR/03d | 10-Dec-19 | Revised Estimate (Corporation Roads) - Phase – 2B – Underground ducting of utilities: Smart Road | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 24 | PMC/PD/PP/DPR/08i | 10-Dec-19 | Submission of Revised Estimate (Civil) - Redevelopment of Palayam Market (under Land Use Efficiency Module in SCP) | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 25 | SCTL/PMC/PD/90 | 10-Dec-19 | Smart Road Project – CBR Testing of Soil samples – Regarding | Head of the Department (Civil) College of Engineering Trivandrum |
| 26 | SCTL/PMC/EXE/Bus-Shelter/02 | 10-Dec-19 | Redesign of Bus Stops – Monthly Progress Report (Execution) for October 2019 and November 2019 | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 27 | PMC/PD/PP/DPR/09b | 11-Dec-19 | Submission of Revised Draft Detailed Project Report- Integrated City Management Control Center (ICMCC) | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 28 | SCTL/PMC/PD/PP/RFP-05a | 12-Dec-19 | SUBMISSION OF REVISED DRAFT REQUEST FOR PROPOSAL FOR TENDER: Priority Projects - Traffic & Transportation - (Intelligent Transport, variable Message Signboards & Smart Parking) and Safety & Security - (CCTV Camera Surveillance System & Street Lighting with Control System) alongwith Adaptive Traffic Control System. | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 29 | PMC/PD/PP2/DPR/06d | 12-Dec-19 | Submission of Project deliverable – Revised Detailed Project Report for TS- Adaptive Traffic Control System | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 30 | SCTL/PMC/PD/FR-10a | 16-Dec-19 | FEASIBILITY REPORT SUBMISSION (Palayam – A – Block): 'Multi Level Car Parking (MLCP) | Sh. P. Bala Kiran (IAS), CEO, SCTL |

| S.N | Letter No | Date | Subject | Address to |
|-----|------------------------------|-----------|---|------------------------------------|
| 31 | SCTL/PMC/PD/PP/RFP-05b | 19-Dec-19 | Submission of Final RFP - Traffic & Transportation - (Intelligent Transport, variable Message Signboards & Smart Parking) and Safety & Security - (CCTV Camera Surveillance System & Street Lighting with Control System) alongwith Adaptive Traffic Control System. | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 32 | SCTL/PMC/IMPL/Info-kiosks/19 | 19-Dec-19 | Construction of buildings for fixing Information Kiosks at 2 locations, Gandhi Park and TMC Sub: Termination of Contract | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 33 | SCTL/PMC/IMPL/PT-Ph1/19 | 19-Dec-19 | Upgradation of Public Toilets at 6 locations Sub: Termination of Contract | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 34 | PMC/TM/66 | 20-Dec-19 | Team mobilization – Input Based (Task 1&3) Support Staff Replacement – Engineering Associate (IT) – Mr. Abhishek R. Sharma | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 35 | PMC/PD/PP/FR/10 | 20-Dec-19 | Submission of Feasibility Report - Rehabilitation Facility for Palayam Vendors' | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 36 | SCTL/PMC/PD/PP/DPR-06g | 20-Dec-19 | REVISED DETAILED PROJECT REPORT SUBMISSION – Heritage Trails & Walks project (under Cultural Identity & Heritage Module in SCP). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 37 | SCTL/PMC/PD/91 | 21-Dec-19 | Reply - Comments on ICMCC DPR - Incomplete DPR | Dr. Sanoop Gopikrishna GM- SCTL |
| 38 | SCTL/PMC/PD/PP/RFP-06 | 21-Dec-19 | SUBMISSION OF DRAFT REQUEST FOR PROPOSAL FOR TENDER: Selection of Contractor for Redevelopment of Palayam Market, Pit Puzzle Multi Level Car Parking in Basement and Pre-Fabricated Structure and Maintenance of Pit Puzzle Multi Level Car Parking Facilities at Palayam, Thiruvananthapuram | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 39 | SCTL/PMC/IMPL/Solar/02 | 24-Dec-19 | Design, Supply, Installation, Erection, Testing & Commissioning, Operation & Maintenance of Grid -Tied Roof Mounted Solar PV Power Plant on Various Buildings in Thiruvananthapuram - Observations on the Documents submitted prior to Commencement of Work | Dr. Sanoop Gopikrishna GM- SCTL |
| 40 | SCTL/PMC/PD/DPR-07/P2f | 26-Dec-19 | DPR SUBMISSION: Redesign of Bus Stops with Wi-Fi Hotspot Facilities' (PH-II Along KRFB Road) | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 41 | PMC/PD/PP/DPR/10a | 26-Dec-19 | Submission of Revised Detailed Project Report - VENDING ZONES IN SMART CITY ABD AREA (under Socio-Economic Inclusiveness Module in SCP). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 42 | SCTL/PMC/PD/RFP-11 | 27-Dec-19 | Submission of DRAFT BIDDING DOCUMENTS: 'Multi Level Car Parking (MLCP) cum Commercial Complex (Supply, Installation, Testing & Commissioning and Operation and Maintenance of Pit Puzzle Multi Level Car Parking in Basement of Palayam Market, Thiruvananthapuram) in Smart City ABD area' | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 43 | PMC/PD/PP-2/DPR/02d | 27-Dec-19 | Submission of Revised Detailed Project Report - Urban Street Haat - (Charithra Veedhi) (under CULTURAL IDENTITY & HERITAGE Module in SCP). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 44 | SCTL/PMC/PD/PP/RFP-06a | 27-Dec-19 | SUBMISSION OF DRAFT REQUEST FOR PROPOSAL FOR TENDER: Redevelopment of Palayam Market | Sh. P. Bala Kiran (IAS), CEO, SCTL |

| S.N | Letter No | Date | Subject | Address to |
|-----|---------------------|-----------|--|------------------------------------|
| 45 | PMC/PD/PP/DPR/10b | 28-Dec-19 | Submission of Revised Detailed Project Report - VENDING ZONES - Vending zone for rain cover Revised design (Roof Plan & Section) | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 46 | PMC/PD/PP/DPR/07d | 28-Dec-19 | Revised Detailed Project Report (Civil) Submission: 'Setting up Command and Control Centre for Pan City ICT Component (under PAN City Module in SCP)' | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 47 | PMC/PD/PP-2/FR/05 | 31-Dec-19 | Feasibility Report Submission - Warehouse facilities with ancillary activities at Chalai-Chalai warehouse with commercial complex (under LAND-USE EFFICIENCY Module in SCP). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 48 | PMC/PD/PP-2/FR/06 | 31-Dec-19 | Submission of Project deliverable - Feasibility Report- Integrated Transit node (East Fort Bus Stand) (under LAND-USE EFFICIENCY Module in SCP). | Sh. P. Bala Kiran (IAS), CEO, SCTL |
| 49 | PMC/PD/PP-2/DPR/07b | 31-Dec-19 | Submission of Detailed Project Report - Phase - 4B (PWD Roads) - Underground ducting of utilities: Smart Road - (Urban Basic Services SCP Module) | Sh. P. Bala Kiran (IAS), CEO, SCTL |

6 STATUS OF PROJECT NOCs RECEIVED AND PENDING:

Details of Smart City ABD project sites and smart roads NoCs (No Objection Certificates) status are indicated in below table.

Table 10: Status of project NoCs for ABD Projects (as on 31st December 2019)

| S.No | PROJECT NAME | LOCATION | DEPARTMENT | WARD NO | STATUS OF NOC | DATE |
|------|---|---|---|---------|---------------|------|
| 1 | MLCPs cum Commercial Complexes (4 No.s) | 1.Palayam market (1.35 Acres) | TRIDA | Ward 27 | NO | |
| | | 2. Sri Chithra Thirunal Park (0.6 Acres)- Located in front of the Sre Chithra Park and adjacent to the Taluk Offices | TMC | Ward 81 | NO | |
| | | 3. Chalai (2.5 Acres)- Located along the Attakulangara Bypass and opposite to the Karimadom Colony. | KSRTC | Ward 71 | NO | |
| | | 4. Near the Railway Station and Bus stand (0.64 Acres)- Located Opposite to the Thampanoor Railway station building and adjacent to the flyover leading to Chenthitta | TMC | Ward 71 | NO | |
| 2 | Cultural streets - (Manveeyam Veedhi) | Manaveeyam Veedhi - Palayam | TMC, PWD, KELTRON, KSEB, KWA, Tourism Dept and DTPC, BSNL | Ward 27 | NO | |
| 3 | ICCC | Trivandrum Corporation | TMC | Ward 27 | NO | |

| S.No | PROJECT NAME | LOCATION | DEPARTMENT | WARD NO | STATUS OF NOC | DATE |
|--------------|---|-----------------------------------|---|--|---|---|
| 4 | OAT at Putharikandam Maidanam | Chalai | TMC | Ward 71 | YES* To confirm whether this NOC covers construction of features other than OAT, | 05.04.2019 |
| 5 | Redevelopment of Palayam Market | Palayam | TMC, TRIDA, Town Planning Dept, Town Vending Committee, Arts and Heritage Commission, Fire Dept, Pollution Control Board, KSEB, KWA, PWD, Mining and Geology Dept | Ward 27 | NO | |
| 6 | Reconstruction of Existing Public Toilets | Beside Padmanabha Theatre, Chalai | TMC | Ward 71 | YES | 12.06.2019 |
| | | Near New Theatre, Thampanoor | TMC | Ward 81 | YES | 12.06.2019 |
| | | East Fort North Bus Stand | TMC | Ward 80 | YES | 12.06.2019 |
| 7 | Upgradation of Existing Public Toilets | TMC Boundary | TMC - LAND OWNER Sulabh - O&M Agency | Ward 27 | YES | 05.04.2019 |
| | | Putharikkandom | | Ward 71 | YES | 05.04.2019 |
| | | Thampanoor | | Ward 81 | "NOC FROM TMC BUT SULABH IS STILL OCCUPYING AND NO HANDOVER OF SITE" | 05.04.2019 |
| | | Vanchiyoor | | Ward 82 | "NOC FROM TMC BUT SULABH IS STILL OCCUPYING AND NO HANDOVER OF SITE" | 05.04.2019 |
| | | KSRTC Outgate | | KSRTC - LAND OWNER KTDFC - O&M Agency | Ward 81 | "NOC FROM KSRTC BUT KTDFC IS STILL OCCUPYING AND NO HANDOVER OF SITE" |
| KSRTC Ingate | Ward 81 | YES | 28.11.2018 | | | |
| 8 | Phase 1: Linked Green Activity Zones- Integrated Development - Installation of Open Gym Equipment and Children's play equipment | Shri Chithira Thirunal Park | TMC | Ward 81 | YES | 27.03.2019 |
| | | Sreekanteswaram Park | TMC | Ward 81 | YES | 27.03.2019 |
| | | Gandhi Park | TMC | Ward 71 | YES | 27.03.2019 |
| | Phase 2: Linked Green Activity Zones- Integrated | Sree Kandeswaram Park | TMC | Ward 83 | NO | |
| | | Ponara Sreedhar Park | TMC | Ward 81 | NO | |

| S.No | PROJECT NAME | LOCATION | DEPARTMENT | WARD NO | STATUS OF NOC | DATE |
|-----------------------------------|--|---|---|---------|--|------------|
| | Development of Parks | | | | | |
| | Phase 3 : Linked Green Activity Zones- Integrated Development of parks | Gandhi Park | TMC | | NO | |
| | | Shri Chithira Thirunal Park | TMC | Ward 81 | NO | |
| | | Children's Park on LMS Vellayambalam Road | KWA | | NO | |
| 9 | Sustainable Campuses - Rainwater Harvesting - Phase 1 | Thiruvananthapuram Municipal Corporation Office | TMC | Ward 27 | NO | |
| | | Government Women's College | Government Women's College | Ward 28 | NO | |
| 10 | Sustainable Campuses - Solar Rooftop Phase 1 | Government College for Women | Government College for Women | | YES | 07.09.2019 |
| | | Kerala University Library | University of Kerala | | YES | 25.10.2018 |
| | | State Central Library | State Central Library | | YES | 14.09.2018 |
| | | Government Central High School | Government Central High School | | YES | 12.09.2019 |
| | | Kerala Legislative Assembly | Kerala Legislative Assembly Secretariat | | YES | 21.11.2018 |
| | Sustainable Campuses - Solar Rooftop Phase 2 | Bus Terminal Complex | KTDFC | | YES | 02.04.2019 |
| Travancore Dewasom Board Building | | Kerala Dewasom Recruitment Board | | YES | 14.02.2019 (TDE) 09.07.2019 (Kerala Dewasom Recruitment Board) | |
| Fire and Rescue Head Office | | Fire and Rescue Head Office | | YES | 02.11.2019 NoC signed by Director General, Fire and Rescue Services | |
| 11 | Heritage Trails and Walks- Façade, Wall Painting and Floor Marking | KTDFC Main Head Office | KTDFC | | NO | |
| | | Manaveeyam Veedhi | KRFB,PWD, Tourism Department, Department of Arts and Crafts, State Archeological Department, Repective Heritage Building Owners | Ward 27 | NO | |
| | | Kanakakunnu palace | | | NO | |
| | | Napier Museum | | | NO | |
| | | Matree Memorial Church | | | NO | |
| | | Kerala State Lesgislative Assembly | | | NO | |
| | | Chandra Shekhar Nair Stadium | | | NO | |
| | | St.Joesph's Metropolitan Church | | | NO | |
| | | Juma Masid | | | NO | |
| | | Connemara Market | | | NO | |
| | | VJT hall | | | NO | |
| Secretariat | NO | | | | | |
| 12 | Vending zones | Locations not identified | | | | |
| 13 | Last Mile Connectivity - E Autos | KSRTC Thampanoor prepaid auto stand | MVD, KRFB | Ward 81 | NO | |
| | | Thampanoor Central Railway station prepaid auto stand | MVD, Railway | Ward 71 | NO | |
| | | Gandhi Park prepaid auto stand | MVD, PWD | Ward 71 | NO | |
| | Last Mile Connectivity - E Autos - | Manaveeyam veedhi | PWD | Ward 27 | NO | |
| | | In front of museum | KRFB | Ward 27 | NO | |

| S.No | PROJECT NAME | LOCATION | DEPARTMENT | WARD NO | STATUS OF NOC | DATE |
|-------------------------------------|---|--|-----------------|---------|---------------|---|
| | Public Bike Sharing | In front of Kalyan Silks | TMC | Ward 27 | NO | |
| | | Martyrs column | KRFB | Ward 27 | NO | |
| | | University College | PWD | Ward 27 | NO | |
| | | Women's College back gate | TMC | Ward 29 | NO | |
| | | Panavila (Kalabhavan Mani road) | TMC | Ward 29 | NO | |
| | | In front of Gandhi Bhavan | PWD | Ward 28 | NO | |
| | | KSRTC Terminal | KSRTC | Ward 81 | NO | |
| | Last Mile Connectivity - E Autos - Public Bike Sharing | Thampanoor Corporation parking | TMC | Ward 81 | NO | |
| | | Inside Gandhi Park | TMC | Ward 71 | NO | |
| | | Near Taluk office road/ Sree Chithira Thirunal Park | TMC | Ward 80 | NO | |
| | | Ayurveda College Junction | KRFB | Ward 82 | NO | |
| | | In front of Sreekandeshwaram temple | KRFB | Ward 83 | NO | |
| | | Statue Junction | KRFB | Ward 81 | NO | |
| | | Near Killipalam bus stop | PWD&NH | Ward 71 | NO | |
| Near Shri Shankaracharya university | TMC | Ward 82 | NO | | | |
| 14 | Phase 1 Redesign of Bus Stops with Wi-Fi Hotspot Facilities | Women's College bus stop | PWD | Ward 28 | NO | |
| | | Panavila bus stop | KRFB | Ward 29 | YES | 01.12.2018 |
| | | Killipalam bus stop along model boys school | PWD-NH | Ward 43 | YES | 19.08.2019 |
| | | Killipalam bus stop opp. model boys school | PWD-NH | Ward 71 | YES | 19.08.2019 |
| | | Railway station bus stop | KRFB,KSRTC | Ward 71 | YES | 16.01.2019 (KSRTC) 11.10.2019 (KRFB) |
| | | Ayurveda College bus stop | KRFB | Ward 82 | YES | 01.12.2018 |
| | Phase 2 Redesign of Bus Stops with Wi-Fi Hotspot Facilities | Vazhuthacaud Bus Stop near Police HQ | PWD, Prateeksha | Ward 29 | NO | |
| | | Vazhuthacaud Bus Stop near Near Juma Masjid | PWD | Ward 29 | NO | |
| | | Kalabhavan Bus Stop | PWD | Ward 29 | NO | |
| | | Vazhuthacaud Bus Stop near Near Annie Mascrene Square- Thycaud | PWD,Prateeksha | Ward 28 | NO | |
| | | Mettukada Junction Bus Stop - Thycaud | PWD | Ward 28 | NO | |
| | | Thycaud Bus Stop near W& C Hospital | PWD,MLA | Ward 28 | NO | |
| | | Kanakakunnu palace -1 | KRFB | Ward 27 | NO | |

| S.No | PROJECT NAME | LOCATION | DEPARTMENT | WARD NO | STATUS OF NOC | DATE |
|------|---|---|----------------|---------|---------------|------------|
| | | Kanakakunnu palace -2 | KRFB | Ward 27 | NO | |
| | | Public Office Building | KRFB | Ward 27 | NO | |
| | | Museum | KRFB,TMC | Ward 27 | NO | |
| | | LMS | KRFB,MLA | Ward 27 | NO | |
| | | Bakery Junction | KRFB,MLA | Ward 27 | NO | |
| | | Palayam | KRFB,MLA | Ward 27 | NO | |
| | | Saphalyam | KRFB | Ward 27 | NO | |
| | | Statue North | KRFB,MLA,TRDCL | Ward 82 | NO | |
| | | Statue South | KRFB,MLA | Ward 82 | NO | |
| | | Overbridge Junction | KRFB | Ward 81 | NO | |
| | | Model School | KRFB,TRDCL | Ward 81 | NO | |
| | | East Fort | KRFB,PWD,KSRTC | Ward 71 | NO | |
| | | Government Hospital Junction | KRFB | Ward 82 | NO | |
| | | Kerala University | KRFB | Ward 27 | NO | |
| | | Bakery Junction | PWD | Ward 27 | NO | |
| | | VJT Hall | PWD | Ward 27 | NO | |
| 15 | Integrated Social Housing Complex- Slum HHs | Chengalchola | TMC | Ward 81 | NO | |
| | | Poundukulam | TMC | Ward 28 | NO | |
| | | Chhirakulam | TMC | Ward 82 | NO | |
| 16 | Interactive Information Kiosks and Display Boards | Corporation Campus | TMC | Ward 27 | YES | 27.03.2019 |
| | | Gandhi Park | TMC | Ward 71 | YES | 27.03.2019 |
| | | KSRTC Bus Terminal | KTDFC | | YES | 24.07.2019 |
| 17 | Drinking Water Fountain | Museum Bus Stop in LMS Vellayambalam Rd | PWD | Ward 27 | NO | |
| | | Inside Museum main gate | KRFB | Ward 27 | NO | |
| | | Manaveeyam Veedhi Road | PWD | Ward 27 | NO | |
| | | Bus shelter near women's college | PWD | Ward 28 | NO | |
| | | Mettukada junction, Near parking area | PWD | Ward 27 | NO | |
| | | Women & Child Hospital in Thycaud | PWD | Ward 28 | NO | |
| | | New Amenity centre at Chalai | PWD | Ward 71 | NO | |
| | | Smart bus shelter at Killipaalam | PWD | Ward 43 | NO | |
| | | Inside Gandhi Park, MG Rd | KRFB, PWD | Ward 71 | NO | |

| S.No | PROJECT NAME | LOCATION | DEPARTMENT | WARD NO | STATUS OF NOC | DATE |
|------|--|--|--|---------|--|-----------------------|
| | | Inside Sub Registrar office premises, S Street Rd | PWD | Ward 80 | NO | |
| | | Near Fort Hospital, Thakaraparambu Rd | KRFB | Ward 80 | NO | |
| | | Inside GH premises | PWD | Ward 82 | NO | |
| | | Trivandrum Municipal Corporation premises | KRFB | Ward 27 | NO | |
| | | Palayam Market entrance | KRFB | Ward 27 | NO | |
| | | Inside Model school premises | PWD | Ward 28 | NO | |
| | | Inside Sree Nila theatre | TMC | Ward 28 | NO | |
| | | Central Railway Station 2, Thampanoor Junction | KRFB | Ward 81 | NO | |
| | | Thampanoor- Integrated with smart bus shelter | TMC, KRFB | Ward 71 | NO | |
| | | East Fort Bus Stand 1, MG Rd | KRFB | Ward 71 | NO | |
| | | East Fort Bus Stand 2, MG Rd | KRFB, PWD | Ward 71 | NO | |
| | | Bus stop Ayurvedic college jn. | KRFB | Ward 82 | NO | |
| | | Smart bus shelter at Panavila | KRFB, TMC | Ward 29 | NO | |
| | | Inside Government Secretariat premises | KRFB | Ward 81 | NO | |
| | | Inside University College | PWD, KRFB | Ward 27 | NO | |
| | | Bus stop opposite to Zam Zam | KRFB | Ward 27 | NO | |
| 18 | Upgradation of Anganwadis and Public Health Centers | Centre No.63- Rajaji Nagar, Chegalchoola (Anganwadi) | TMC and Women & Child Development Department (ICDS) | Ward 81 | YES | 23.02.2019 (ICDS) |
| | Centre No.61 Thampanoor UP School (Anganwadi) | Ward 81 | | YES | 22.07.2019 (TMC) | |
| | Centre No 60. Fort Sanskrit School (Anganwadi) | Ward 80 | | YES | 22.07.2019 | |
| | | Rajaji Nagar - Thampanoor (PHC) | District Medical Officer- Thiruvananthapuram and TMC | Ward 81 | YES (From TMC) Not yet from DMO.TVM | 28.10.2019 (From TMC) |
| 19 | Heritage Conservation (Temple Tank) | Puthenchantha Balasubrahmanya Temple Pond | Travancore Devaswom Board,TMC,KWA,KSEB,BSNL | Ward 81 | YES | 01.07.2019(From TDB) |
| | | Sree Kandeswaram Pond | | Ward 83 | YES | 01.07.2019(From TDB) |
| 20 | Urban Street Haat - Charithra Veedhi | Charithra Veedhi | TMC, KSRTC, Handicrafts Development Corporation of Kerala Limited, Department of Tourism, State Archelogy Department, Department of Cultural Affairs, KSEB | Ward 80 | NO | |
| 21 | Integrated Centralised Command Control Center (ICCC) | Corporation campus of Trivandrum | TMC, KWA, KSRTC, IT Mission/IKM | Ward 27 | YES (From TMC only) | 28.10.2019 (From TMC) |

Table 11: Status of NoCs for Smart Roads in ABD area (as on 31st December 2019)

| S.NO | LOCATIONS PHASEWISE | WARD | DEPARTMENT | STATUS OF NOC | | DATE |
|---------------------------|--|-------------|------------|---------------|----|------------|
| | | | | YES | NO | |
| PHASE 1 - 1.20 KM | | | | | | |
| 1 | Manaveeyam Road | Ward No. 27 | PWD | YES | | 07.09.2019 |
| 2 | East Fort - Killipalam (Chalai Market Road) | Ward No. 71 | PWD | YES | | 07.09.2019 |
| PHASE 2 - 7.71 KM | | | | | | |
| 1 | Kothuval Street | Ward No. 71 | TMC | YES | | 16.05.2019 |
| 2 | KK Road | Ward No. 71 | TMC | YES | | 16.05.2019 |
| 3 | Marakkada Road | Ward No. 71 | TMC | YES | | 16.05.2019 |
| 4 | Pazhayasalai Road | Ward No. 71 | TMC | YES | | 16.05.2019 |
| 5 | Pumping Station Road | Ward No. 71 | TMC | YES | | 16.05.2019 |
| 6 | C V Raman Pillai Road (Althara Jn. to Mettukada Jn.) | Ward No. 27 | PWD | YES | | 07.09.2019 |
| 7 | Mettukada Jn to Chenthitta Jn. | Ward No. 27 | PWD | YES | | 07.09.2019 |
| 8 | Killipalam Jn. To Attakulangara Jn | Ward No. 71 | PWD | YES | | 07.09.2019 |
| 9 | Aryasala Road | Ward No. 71 | PWD | YES | | 07.09.2019 |
| 10 | Kalyan Hospital to Therakom | Ward No. 71 | PWD | YES | | 07.09.2019 |
| 11 | Mettukada Jn to Chenthitta Jn. | Ward No. 27 | PWD | YES | | 07.09.2019 |
| 12 | DDE Office Jn. to Killipalam Jn. - NH Division | Ward No. 43 | PWD | YES | | 07.09.2019 |
| 13 | Chenthitta Jn. To DDE Jn. - NH Division | Ward No. 43 | PWD | YES | | 07.09.2019 |
| PHASE 3 - 16.05 KM | | | | | | |
| 1 | WestNada Azhikoota Road | Ward No. 80 | PWD | YES | | 07.09.2019 |
| 2 | Court Jn to General Hospital Jn. | Ward No. 82 | PWD | YES | | 07.09.2019 |
| 3 | Museum Nandavanam Road | Ward No.27 | TRDCL | NO | | |
| 4 | Palayam Jn. to MelaPazhavangadi Jn | Ward No.27 | TRDCL | NO | | |
| 5 | Underpass to Bakery Junction | Ward No.27 | TRDCL | NO | | |
| 6 | Azhikoota Jn.to Kothalam Jn. | Ward No.80 | TRDCL | NO | | |
| 7 | Corridor 3 : Museum-Bakery Jn-Thampanoor-OverBridge (incl Flyover & Underpass) | Ward No.81 | TRDCL | NO | | |
| 8 | Vanross Oottukuzhy Road | Ward No.81 | TRDCL | NO | | |
| 9 | Corridor 7: Vanross-Oottukuzhy-Secretariat | Ward No.81 | TRDCL | NO | | |
| 10 | Thakaraparambu Road | Ward No.83 | TRDCL | NO | | |
| 11 | Powerhouse Road | Ward No.71 | TRDCL | NO | | |
| 12 | MelePazhavangadi Jn. to Attakulangara Jn. | Ward No.80 | TRDCL | NO | | |
| 13 | Punnapuram Jn. to Uppidamoodu Bridge | Ward No.83 | TRDCL | NO | | |
| 14 | RR Lamp-CDAC Junction | Ward No.27 | TRDCL | NO | | |
| 15 | Palayam Jn. to RR Lamp | Ward No.27 | TRDCL | NO | | |
| 16 | Fort Hospital to Thakaraparambu Road | Ward No.83 | TRDCL | NO | | |
| 17 | SreeKanteswaram Park to Uppidamoodu Bridge | Ward No.83 | TRDCL | NO | | |
| 18 | Uppidamoodu Bridge to Court Jn. | Ward No.83 | TRDCL | NO | | |
| 19 | Eanchakkal Fort Hospital Road | Ward No.83 | TRDCL | NO | | |
| 20 | General hospital to Palayam Jn. | Ward No.27 | TRDCL | NO | | |
| 21 | Attakulangara to Azhikoota Jn. | Ward No.80 | TRDCL | NO | | |

| PHASE 4 -23.68 KM | | | | | |
|-------------------|--|-------------------|-----|-----|------------|
| 1 | Observatory Lane | Ward No.27 | TMC | YES | 16.05.2019 |
| 2 | Lenin Nagar Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 3 | CHH Lenin Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 4 | Nandavanam Palayam Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 5 | Public Library Nandavanam Road | Ward No.27 | PWD | YES | 07.09.2019 |
| 6 | Thycaud Police Ground Road | Ward No.28 | TMC | YES | 16.05.2019 |
| 7 | Keezhe Thampanoor Road | Ward No.28 | TMC | YES | 16.05.2019 |
| 8 | Jagathy Kannettumukku Valiasala Road | Ward No.43 | TMC | YES | 16.05.2019 |
| 9 | Kothalam Jn. To West Fort | Ward No.80 | TMC | YES | 16.05.2019 |
| 10 | Dharmalayam Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 11 | Pazhavangadi - Uppidammodu | Ward No.82 and 83 | TMC | YES | 16.05.2019 |
| 12 | Thamman Street | Ward No.80 | TMC | YES | 16.05.2019 |
| 13 | Ayya Vadhiyar Road | Ward No.80 | TMC | YES | 16.05.2019 |
| 14 | Kothalam Road | Ward No.80 | TMC | YES | 16.05.2019 |
| 15 | Taluk Office Road | Ward No.80 | TMC | YES | 16.05.2019 |
| 16 | Chothupurai Street | Ward No.80 | TMC | YES | 16.05.2019 |
| 17 | Palla Theervu | Ward No.80 | TMC | YES | 16.05.2019 |
| 18 | West Nada | Ward No.80 | TMC | YES | 16.05.2019 |
| 19 | Deekshithar Street | Ward No.80 | TMC | YES | 16.05.2019 |
| 20 | Kallampalli Street | Ward No.80 | TMC | YES | 16.05.2019 |
| 21 | Fort East Fort Road | Ward No.80 | TMC | YES | 16.05.2019 |
| 22 | Road Inside Fort | Ward No.80 | TMC | YES | 16.05.2019 |
| 23 | Road Inside Fort | Ward No.80 | TMC | YES | 16.05.2019 |
| 24 | Road Inside Fort | Ward No.80 | TMC | YES | 16.05.2019 |
| 25 | Road Inside Fort | Ward No.80 | TMC | YES | 16.05.2019 |
| 26 | Road Inside Fort | Ward No.80 | TMC | YES | 16.05.2019 |
| 27 | Road Inside Fort | Ward No.80 | TMC | YES | 16.05.2019 |
| 28 | Padmavilasam Street | Ward No. 83 | TMC | YES | 16.05.2019 |
| 29 | Road Inside Fort | Ward No.80 | TMC | YES | 16.05.2019 |
| 30 | Justice Sankaranarayana Street | Ward No.83 | TMC | YES | 16.05.2019 |
| 31 | Pazhavangadi - Uppidammodu | Ward No.82 and 83 | PWD | YES | 07.09.2019 |
| 32 | Forest Office Junction - Bakery Junction Road | Ward No.29 | PWD | YES | 07.09.2019 |
| 33 | Drainage Road Connecting Observatory to Nandavanam | Ward No.27 | PWD | YES | 07.09.2019 |
| 34 | Spencer Bakery - Vazuthacaud | Ward No.29 | PWD | YES | 07.09.2019 |
| 35 | Karunakaran Sapthathi Road | Ward No.27 and 81 | PWD | YES | 07.09.2019 |
| 36 | SS Kovil Road | Ward No.81 | PWD | YES | 07.09.2019 |
| 37 | Rose House Panavilla Road | Ward No.28 and 29 | PWD | YES | 07.09.2019 |
| 38 | Around Residency | Ward No.28 | PWD | YES | 07.09.2019 |
| 39 | Bakery Womens College Road | Ward No.29 | PWD | YES | 07.09.2019 |
| 40 | Pazhavangadi - Uppidammodu (Canal Road) | Ward No.82 and 83 | PWD | YES | 07.09.2019 |
| 41 | Manjalkulam Road | Ward No.81 | PWD | YES | 07.09.2019 |
| 42 | Aristo Road | Ward No.28 | PWD | YES | 07.09.2019 |
| 43 | Punnen Road | Ward No.81 | PWD | YES | 07.09.2019 |
| 44 | Pulimoodu Residency Road | Ward No.81 | PWD | YES | 07.09.2019 |
| 45 | Overbridge Collectorate Uppidammodu Junction | Ward No.82 | PWD | YES | 07.09.2019 |

| | | | | | |
|-----------------------|--|-------------------|-----|-----|------------|
| 46 | Pulimoodu-Uppidamoodu (Ambujavilasam Road) | Ward No.82 | PWD | YES | 07.09.2019 |
| 47 | Ayurveda College - Old GPO Kunnumpuram | Ward No.82 | PWD | YES | 07.09.2019 |
| 48 | Statue-General Hospital-Vanchiyoor | Ward No.82 | PWD | YES | 07.09.2019 |
| 49 | Ayurveda College - Chettikulangara | Ward No.82 | PWD | YES | 07.09.2019 |
| 50 | Kochar Road to DDE Office Junction | Ward No.43 | PWD | YES | 07.09.2019 |
| 51 | West Fort-Ponnapuram-Kaithamukku Road | Ward No.80 and 83 | PWD | YES | 07.09.2019 |
| PHASE 5 - 23KM | | | | | |
| 1 | Bodheswaran Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 2 | CHH Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 3 | Forest Office Lane | Ward No.27 | TMC | YES | 16.05.2019 |
| 4 | Forest Office Lane | Ward No.27 | TMC | YES | 16.05.2019 |
| 5 | CHH Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 6 | Forest Office Lane E | Ward No.27 | TMC | YES | 16.05.2019 |
| 7 | Observatory Lane | Ward No.27 | TMC | YES | 16.05.2019 |
| 8 | Link Road Number 1 | Ward No.27 | TMC | YES | 16.05.2019 |
| 9 | Link Rd Number 2 | Ward No.27 | TMC | YES | 16.05.2019 |
| 10 | Vanross Jacobs Junction Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 11 | Puneen Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 12 | Forest Office Lane | Ward No.81 | TMC | YES | 16.05.2019 |
| 13 | Palayam Market Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 14 | Vanross Jacob Junction Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 15 | Palayam Nandavanam Panchapura Road | Ward No.27 | TMC | YES | 16.05.2019 |
| 16 | Forest Office to Bakery Junction | Ward No.29 | TMC | YES | 16.05.2019 |
| 17 | Forest Office to Bakery Junction | Ward No.29 | TMC | YES | 16.05.2019 |
| 18 | New Theatre Road | Ward No.28 | TMC | YES | 16.05.2019 |
| 19 | Forest Office to Bakery Junction | Ward No.27 | TMC | YES | 16.05.2019 |
| 20 | Oottukuzhy Panavilla Road | Ward No.28 | TMC | YES | 16.05.2019 |
| 21 | Gandhi Bhavan Road | Ward No.28 | TMC | YES | 16.05.2019 |
| 22 | Aristo Junction Thampanoor Road | Ward No.28 | TMC | YES | 16.05.2019 |
| 23 | Shanti Nagar Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 24 | Kattor Road | Ward No.28 | TMC | YES | 16.05.2019 |
| 25 | Oottukuzhy Bakery Junction Road | Ward No.29 | TMC | YES | 16.05.2019 |
| 26 | S & J Road | Ward No.29 | TMC | YES | 16.05.2019 |
| 27 | Womens College Road | Ward No.29 | TMC | YES | 16.05.2019 |
| 28 | Nandavanam Road | Ward No.29 | TMC | YES | 16.05.2019 |
| 29 | Valiasala Street | Ward No.43 | TMC | YES | 16.05.2019 |
| 30 | Chentita Street | Ward No.43 | TMC | YES | 16.05.2019 |
| 31 | Chinnachalai Street | Ward No.43 | TMC | YES | 16.05.2019 |
| 32 | Sree Chitra Road | Ward No.43 | TMC | YES | 16.05.2019 |
| 33 | Mithranandapuram Lane | Ward No.80 | TMC | YES | 16.05.2019 |
| 34 | Eanchakal West Fort Road | Ward No.80 | TMC | YES | 16.05.2019 |
| 35 | Housing Board Thampanoor Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 36 | Thyvilla Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 37 | Santhi Nagar Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 38 | Statue Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 39 | Seceratarariat East Residents Association Road | Ward No.81 and 29 | TMC | YES | 16.05.2019 |

| | | | | | |
|----|---|-------------------|-----|-----|------------|
| 40 | Mele Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 41 | Sreemoolam Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 42 | Prashanti Nagar Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 43 | Mele Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 44 | Santhi Nagar Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 45 | Santhi Nagar Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 46 | Purna Lane | Ward No.81 | TMC | YES | 16.05.2019 |
| 47 | Shanti Nagar Press Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 48 | Shanti Nagar Press Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 49 | SIDCO Back Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 50 | Joint Road SS Kovil Thampanoor Road | Ward No.81 | TMC | YES | 16.05.2019 |
| 51 | Sunny Meads Lane | Ward No.27 | TMC | YES | 16.05.2019 |
| 52 | Sunny Meads Lane | Ward No.27 | TMC | YES | 16.05.2019 |
| 53 | Pulimoodu Residency | Ward No.81 | TMC | YES | 16.05.2019 |
| 54 | Mathruboomi Road | Ward No.82 | TMC | YES | 16.05.2019 |
| 55 | Tutors Lane, GPO Ln | Ward No.82 | TMC | YES | 16.05.2019 |
| 56 | Uppalam Road | Ward No.82 | TMC | YES | 16.05.2019 |
| 57 | Ex.Mayor R.Balakrishnan Road | Ward No.82 | TMC | YES | 16.05.2019 |
| 58 | Ex Mayor R Balakrishnan Nair Road | Ward No.82 | TMC | YES | 16.05.2019 |
| 59 | Chirakkulam Road | Ward No.82 | TMC | YES | 16.05.2019 |
| 60 | District Employment Excahnge Road | Ward No.82 | TMC | YES | 16.05.2019 |
| 61 | Uppalam GPO Lane Road | Ward No.82 | TMC | YES | 16.05.2019 |
| 62 | Chirakulam Road | Ward No.82 | TMC | YES | 16.05.2019 |
| 63 | Dr Chandrasekaran Nair Road | Ward No.83 | TMC | YES | 16.05.2019 |
| 64 | VJT Hall Flyover Road | Ward No.27 | PWD | YES | 07.09.2019 |
| 65 | SMSM Institute Government Press Road | Ward No.81 | PWD | YES | 07.09.2019 |
| 66 | Palayam Nandavanam Panchapura Road | Ward No.27 | PWD | YES | 07.09.2019 |
| 67 | Mettukada Jn. to Kochar Road | Ward No.28 and 43 | PWD | YES | 07.09.2019 |
| 68 | Thycaud House Keezhe Thampaboor Road | Ward No.28 | PWD | YES | 07.09.2019 |
| 69 | Oottukuzhy Housing Board Road | Ward No.28 | PWD | YES | 07.09.2019 |
| 70 | Kannettumukku Mettukada | Ward No.28 and 43 | PWD | YES | 07.09.2019 |
| 71 | New Theatre Road | Ward No.28 | PWD | YES | 07.09.2019 |
| 72 | Kripa Theatre-Ajantha Theatre-Central Theatre Road | Ward No.71 | PWD | YES | 07.09.2019 |
| 73 | Kripa Theatre-Ajantha Theatre-Central Theatre Road | Ward No.71 | PWD | YES | 07.09.2019 |
| 74 | Karippukoikkal Street | Ward No.80 | PWD | YES | 07.09.2019 |
| 75 | Statue General Hospital Uppidamoodu (Chirakulam) Road | Ward No.82 | PWD | YES | 07.09.2019 |
| 76 | Spencer Gashouse Jn | Ward No.27 | PWD | YES | 07.09.2019 |

Status of NoCs for ADAPTIVE TRAFFIC CONTROL SYSTEM (ATCS) in ABD area (as on 31st December 2019)

| S.N | Locations | Ward Number | Department | Status of NOC | Remarks |
|-----|------------------------|-----------------------|---------------------------|--|-----------------------------------|
| 1 | Medical College Jn | Ward Number 17 | KRFB,PWD,KERALA POLICE | YES ; FROM POLICE DEPARTMENT (23.09.2019) | Pending from other departments |
| 2 | GG Hospital | Ward Number 16 | | | |
| 3 | Pottakkuzhi | Ward Number 17 | | | |
| 4 | Pattom | Ward Number 17 | | | |
| 5 | Plamoodu | Ward Number 25 | | | |
| 6 | PMG | Ward Number 25 | | | |
| 7 | Mascot Hotel | Ward Number 25 | | | |
| 8 | War Memorial | Ward Number 27 | | | |
| 9 | Palayam | Ward Number 27 | | | |
| 10 | VJT Hall | Ward Number 27 | | | |
| 11 | Statue South | Ward Number 81 | | | |
| 12 | Statue Middle | Ward Number 81 | | | |
| 13 | Statue North | Ward Number 81 | | | |
| 14 | Pulimoodu | Ward Number 81 | | | |
| 15 | Ayurveda College | Ward Number 82 | | | |
| 16 | Overbridge | Ward Numbers 81,82,83 | | | |
| 17 | Pazhavangadi | Ward Number 80 | | | |
| 18 | East Fort | Ward Number 80 | | | |
| 19 | Vettimurichakotta | Ward Number 80 | | | |
| 20 | Attakulangara | Ward Number 80 | | | |
| 21 | Peroorkkada | Ward Number 31 | | | |
| 22 | Ambalamukku | Ward Numbers 31,24 | | | |
| 23 | Kowdiar | Ward Numbers 24,23 | | | |
| 24 | Vellayambalam | Ward Number 23,24,27, | | | |
| 25 | Keltron House | Ward Number 27 | | | |
| 26 | Museum | Ward Number 27 | | | |
| 27 | Corporation | Ward Number 27 | | | |
| 28 | L M S Jn | Ward Number 27 | | | |
| 29 | Althara Jn | Ward Number 27 | | | |
| 30 | SMC Jn | Ward Number 29 | | | |
| 31 | Vazhuthacaud | Ward Number 29 | | | |
| 32 | Xanadu(Womens College) | Ward Number 28,29 | | | |
| 33 | Panavila | Ward Number 28,29 | | | |
| 34 | Model School | Ward Number 28 | | | |
| 35 | Thampanoor | Ward Number 81 | | | |
| 36 | RMS Jn, Thampanoor | Ward Number 81 | | | |
| 37 | Asan Square | Ward Number 27 | | | |
| 38 | AKG Center Jn | Ward Number 26,27 | | | |
| 39 | General Hospital | Ward Number 82,94 | | | |
| 40 | Pattoor | Ward Number 82,94 | | | |
| 41 | Nalumukku | Ward Number 85 | | | |
| 42 | Pallimukku | Ward Number 93,94 | | | |
| 43 | Petta | Ward Number 93 | | | |
| 44 | Chackai | Ward Number 86 | | | |
| 45 | Killipalam | Ward Number 71,43 | | | |
| 46 | Choorakkattupalayam | Ward Number 71 | | | |
| 47 | Uppidamoodu | Ward Number 82,83 | | | |
| 48 | Vanchiyoor | Ward Number 82 | | | |
| 49 | Bakery | Ward Number 29,27 | | | |
| 50 | Jagathy | Ward Number 44 | | | |
| 51 | Edappazhinji Jn | Ward Number 29,22 | | | |

7 DEPARTMENTS/ORGANISATIONS CONSULTED

For better existing situation assessment, feasibilities, addressing key concerns, planning and designing of smart city projects under PMC scope, till the month of December 2019, PMC team consulted following departments for their inputs and support to PMC team in implementation of Thiruvananthapuram Smart City projects.

Table 12: Key Contacts of Departments/Organisations Consulted till December 2019.

| Sn | Name | Designation | Department |
|----|---------------------------------|---|--|
| 1 | A K Moideen | Minister | Ministry of LSGD |
| 2 | Durga Sankher Mishra | Secretary | Ministry of Housing and Urban Affairs |
| 3 | P Balakiran IAS | CEO | SCTL |
| 4 | Adv. V K Prashanth K. Sreekumar | Mayor | Thiruvananthapuram Municipal Corporation (TMC) |
| 5 | Lokanath Behera (IPS) | DGP – State Police Chief | Police Department |
| 6 | A.Padmakumar Ex.MLA | President | Dewasom Board |
| 7 | Aadhithya R IPS | Deputy Commissioner of Police, Law & Order, Traffic | Kerala Police |
| 8 | Rajesh Kumar Singh | Principial Secretary | PWD |
| 9 | Anand Singh IAS | Secretary | PWD |
| 10 | G Kamala Vardhana Rao IAS | Principial Secretary | PWD |
| 11 | Kori Sanjaykumar Gurudin IPS | Deputy Inspector General of Police | Kerala Police |
| 12 | M Sivasankar IAS | IT Secretary | Electronics & IT Department |
| 13 | V S Shivakumar | MLA | Kerala Legislative Assembly |
| 14 | A Rasjad M | AE-Construction | Kerala State Warehousing Corporation |
| 15 | Afsal | Assistant Engineer | KSEB |
| 16 | Aisha Becker | Councillor | Palayam Ward Concillor |
| 17 | Ajayakumar S | AEE | KSEB |
| 18 | Ajith | Chief Engineer (Vigilance) | Kerala Public Works Department (KPWD) |
| 19 | Ajith | Chief Engineer | Thiruvananthapuram Development Authority (TRIDA) |
| 20 | Ajith Jose | AE, Palayam Section | Kerala Water Authority - Palayam Division |
| 21 | Ajith Kumar | Programme Director | ANERT |
| 22 | Ajith Ravindran | CE | TRIDA |
| 23 | Ajitha | Executive Engineer | KWA |
| 24 | Alangovan | TAC Member | Transport |
| 25 | Anand Jalakam | KWA consultants | ABD funded water supply project |
| 26 | Anil Kumar | Exec. Director | Kerala State Road Transport Corporation (KSRTC) |
| 27 | Anil Kumar | ACP - (North) | Kerala Police Department |
| 28 | Anita Deepti | Nodal Officer | ICDS - Women & Child Development Department |
| 29 | Anitha Puthiyapurayil | EE | KWA |
| 30 | Anju W C | Deputy Town Planner | RTP, DTCP |
| 31 | Anoop | A.E (Kuriathy) | Kerala Water Authority (KWA) |
| 32 | Anoop | Administrative In Charge | University library |
| 33 | Anoop Roy | Health Inspector | Thiruvananthapuram Municipal Corporation (TMC) |
| 34 | Arun Chandran | Scientist | National Transportation Planning And Research Centre |
| 35 | Asha | Executive Engineer, REES | Kerala State Electricity Board (KSEB) |
| 36 | Asha Rani | Deputy Electrical Inspector | Electrical Inspectorate, Trivandrum |
| 37 | Ashokan PU | Librarian | State Central Library |
| 38 | B. Ganesh | | Sieger Parking |
| 39 | Babu | Ward Councillor | Vanchiyoor |
| 40 | Beena | CE | PWD |
| 41 | Bhoopesh | Conservation Engineer | Kerala State Archelogy Department |
| 42 | Bijish Ben | P.S to Commissioner | Central Excise & Customs Commissionerate |
| 43 | Biju | Exec. Engineer (GIS) | Kerala Public Works Department (KPWD) |
| 44 | Bina | Heritage Consultant | |
| 45 | Bindu | Sr. Env.Engg | Environmental Sensor (PAN City Project) |
| 46 | Bindu | Official | Minor Irrigation Department |

| Sn | Name | Designation | Department |
|-----|------------------------------|---|---|
| 47 | Biswanath Sinha | Principal Secretary | Govt. Secretariat |
| 48 | Boban | Executive Engineer | Thiruvananthapuram Municipal Corporation (TMC) |
| 49 | Bose | ACP (Telecommunications) | Police Control Room |
| 50 | C. K Jiji | Deputy Chief Engineer | LSGD |
| 51 | CT Ajithkumar | Project Manager | Agency for Non-conventional Energy and Rural Technology |
| 52 | Darlene Carmelita D'Cruz | Chief Engineer | PWD |
| 53 | Deepa L S | Secretary | Thiruvananthapuram Municipal Corporation (TMC) |
| 54 | Deepthi Bhanu | CEO | KRFB |
| 55 | Dilip | Urban Infra Expert | SMMU – AMRUT |
| 56 | Dinesh | Town Planner | Thiruvananthapuram Development Authority (TRIDA) |
| 57 | Dinesh | Stakeholder | Nizhalattom, Humans, Idom, Pallium |
| 58 | Dr Anil | Faculty | CET |
| 59 | Dr Chithra | Director | KSITM |
| 60 | Dr. Arun | District Programme Manager | National Urban Health Mission (NUHM) |
| 61 | Dr. G Vijayalekshmi | Principal | Government Women College, |
| 62 | Dr. M Beena, IAS | CEO | Smart City Thiruvananthapuram Limited (SCTL) |
| 63 | Dr. Shekhar Lukose Kuriakose | Member Secretary | Kerala State Disaster Management Authority |
| 64 | Dr.Elangovan | Director, TAC Member | Kerala Road Safety Authority (KRSA) |
| 65 | Dr.Manju V.S | Lab in Charge | CET |
| 66 | Dr.Sheela A.M | Senior Environmental Engineer | Kerala State Pollution Control Board |
| 67 | Dr.Venu (IAS) | Secretary | Museum Department |
| 68 | Ebin Kisto | Urban Planner | AMRUT |
| 69 | Geetha Nazir | Stakeholder | Nizhalattom, Humans, Idom, Pallium |
| 70 | Geethakumari | Dy.CE Rtd (KSEB) | Kerala Start up Mission |
| 71 | Gillitos | Dy.S.P. (Telecom) | Telecom |
| 72 | Gireesh | Urban Infrastructure specialist | TMC |
| 73 | Giri George | Chief Town Planner | Department of Town & Country planning |
| 74 | Gopa Kumar S.P. | Division Head,Keltron Communication Project Group | KELTRON |
| 75 | Gopakumar | Official | Minor Irrigation Department |
| 76 | Gopalakrishna Pillai | GM | KRFB |
| 77 | Gopesh | Conservation Engineer | Archeology Department |
| 78 | Hameed | Senior Engineer, Signal Division | KELTRON |
| 79 | Hari | (PHEE) | Kerala Water Authority |
| 80 | Hari kumar | Technical Assistant (N - Div) | Kerala Water Authority (KWA) |
| 81 | Hari Kumar | Director | ANERT |
| 82 | Hari N.R | TA | KWA |
| 83 | Harikrishanan | Exec. Engineer (IT) | Kerala Water Authority (KWA) |
| 84 | Harikumar | Director | Agency for Non-conventional Energy and Rural Technology |
| 85 | Harikumar | Asst. Executive Engineer | Public Work Department- Road Sub Division |
| 86 | Harikumar | Assistant Engineer | KWA |
| 87 | Ilankovan | Director | Kerala Road Safe Authority |
| 88 | In-charge | Mosquito Control Dep | TMC-Health |
| 89 | ISWAYA | CA to ADIC (G) | District Industries Centre |
| 90 | J Jayakumar | Senior Town Planner | Town Planning Department |
| 91 | J. Mohan | | IT Mission |
| 92 | Jacob | Addl. Under Secretary | Kerala Legislative Assembly |
| 93 | Jai Kumar | Sanitation Expert | Suchitwa Mission |
| 94 | Jain Raj | Headmaster | Central High School |
| 95 | Jaya Kumar | ITPI Secretary | Town Planning Department |
| 96 | Jaya Lakshmi | Councilor | Thampanoor Ward |
| 97 | Jayachandra K | Superintending Engineer | Thiruvananthapuram Municipal Corporation (TMC) |
| 98 | Jayakumar | Senior Town Planner | Office of the CTP, DTCP |
| 99 | Jayan Babu | Chairman | TRIDA |
| 100 | Jeevan Raj | CEO | KRFB |

| Sn | Name | Designation | Department |
|-----|--------------------|------------------------------------|---|
| 101 | Jinraj | PA to Mayor | TMC |
| 102 | Jospeh | Chief Engineer | Vaidyuti Bhavan |
| 103 | Jyothi Mary Chacko | PA TO EE - Assistant Exe. Engineer | EE,MI Division |
| 104 | Kala | AEXE REES | Kerala State Electricity Board (KSEB) |
| 105 | Karunakaran | Energy Expert | Smart City Kochi PMC |
| 106 | KGP Namboothiri | Executive Engineer, TRAC | Kerala State Electricity Board (KSEB) |
| 107 | Krishan Kumar | Senior Head | Green Army |
| 108 | Krishnakumar | Oversear | PWD-NH |
| 109 | Kumaran | Director(Distribution) | KSEB |
| 110 | Leena | Assistant Engineer | TMC Engineering wing |
| 111 | Leena Kumari | Superintending Engineer | Kerala Water Authority (KWA) |
| 112 | M K Zulfiquer | ACP- (South) | Kerala Police Department |
| 113 | M V Rajan | Corporation Engineer | TMC |
| 114 | M.P. Dinesh IPS | Managing Director | KSRTC |
| 115 | Maju Balakrishnan | Executive Engineer | Water Resources Department (Minor Irrigation) |
| 116 | Manilal | AEE | PWD |
| 117 | Manjunath S | SP,Railway | Police Telecommunication Department - |
| 118 | Manoj | Assistant Engineer | Corporation Engg. Dept. |
| 119 | Manoj | Health Inspector | Thiruvananthapuram Municipal Corporation |
| 120 | Manoj Abraham | ADGP | Police Department |
| 121 | Manoj B | Mission Coordinator | KSITM |
| 122 | Mary | AE | Thiruvananthapuram Municipal Corporation |
| 123 | Mary Edne Paul | First Grade Oversser | Thiruvananthapuram Municipal Corporation |
| 124 | Maya | Deputy Librarian | University Library |
| 125 | Misha SV | Project Manager | IKM |
| 126 | Mohammed Ashraf | SE | TMC |
| 127 | Mohd. Sharff | Executive Director (Operations) | KSRTC |
| 128 | Muthukumar | Assistant Engineer | KWA |
| 129 | Nameer. M | Assistant Engineer | LSGD |
| 130 | Nandakumar | Stakeholder | Nizhalattom, Humans, Idom, Pallium |
| 131 | Nixon | Astt. Engineer | Kerala Water Authority (KWA) |
| 132 | P K Shobhana | Librarian | University library |
| 133 | P Kumaran | Director KSEB IT & Distribution | KSEB |
| 134 | P. Bala Kiran, IAS | CEO | Smart City Thiruvananthapuram Limited (SCTL) |
| 135 | Palayam Rajan | Chairperson | Town Planning Standing Committee |
| 136 | Pradeep | Nodal Officer | Transport Commissioner Office, MVD, Vazhuthacand |
| 137 | Prakash | Stakeholder | Manaveeyam, Tereverokottam, Indus Cycle Embassy |
| 138 | Pramod | Executive Engineer | TRIDA |
| 139 | Prasad | Executive Engineer | KSEBL South Division |
| 140 | Praveen | Exec. Engineer- Operation | Kerala Water Authority (KWA) |
| 141 | Praveen Kumar | Regional Manager | Kerala State Warehousing Corporation |
| 142 | Praveen N.R | AE | KSEB |
| 143 | Preetha | AEE(TA) | PWD - Roads and Bridges Division |
| 144 | Pritwiraj | EDPC | Kerala State Road Transport Corporation (KSRTC) |
| 145 | Priyalal | Former Engineer of LSGD | AMRUT |
| 146 | Prof.Bindu KR | Civil Engineer | CET |
| 147 | Prof.Gireesh | Professor & Head | Soil Department, CET |
| 148 | Raghuthamoon | Stakeholder | Manaveeyam Tereverokottam |
| 149 | Ragini | Temple Administrative Officer | Travancore Devaswom Board |
| 150 | Rajasree Ajith | Director | KITS |
| 151 | Rajesh | Town Planner | CTP -Office |
| 152 | Rajesh | Senior Town Planner | Town Planning Department |
| 153 | Rajesh D | EE | TMC |
| 154 | Rajesh | Project Manager | Agency for Non-conventional Energy and Rural Technology |
| 155 | Rajesh | AEE | PWD-NH |
| 156 | Raji | Assistant Engineer | PWD-NH |
| 157 | Raju V Nair | Asst. Vice President | Thiruvananthapuram Road Development Company Limited |

| Sn | Name | Designation | Department |
|-----|----------------------|----------------------------------|--|
| 158 | Ramachandran | AE | KSDFC |
| 159 | Ramakrishnan | Scientist | National Transportation Planning And Research Centre |
| 160 | Ramesh | Councillor, Chalai Road | Chalai market |
| 161 | Ramya | CMM | NULM |
| 162 | Rana KP | | Department of Tourism |
| 163 | Ravi Chander | CE,IT | KSEB |
| 164 | Rejeevan | Deputy CE | LSGD |
| 165 | Reji | Director | Kerala State Archelogy Department |
| 166 | Remya | Project Coordinator | NULM |
| 167 | Retheesh | Stakeholder | Nizhalattom, Humans, Idom, Pallium |
| 168 | RIjulal | Health Inspector | Health Deptt. |
| 169 | Rishikesh | CEO | Techno Park CCC |
| 170 | Rosy | PA to Principal General Manager | Central Telephone Exchange |
| 171 | S S Sindhu | Chairperson | Welfare Standing Committee Chairperson |
| 172 | S. Abu | Superintendent | Natural History Museum |
| 173 | S. Prasad | EE | KSEB |
| 174 | S.Ebin Sam | Junior Scientist | National Transportation Planning And Research Centre |
| 175 | S.V.P Jithendriyan | Assistant Database Administrator | KWA |
| 176 | S Dilip Kumar | Regional Manager | Kerala State Warehousing Corporation |
| 177 | Sabarish | Head-e- Governance, KSITM | IT Mission |
| 178 | Sagi Somlar | (AE) | Kerala Water Authority |
| 179 | Sajan | Team Leader | SMMU – AMRUT |
| 180 | Sajitha | Asst. Engineer | Public Work Department- Road Sub Division |
| 181 | Saju R | Assistant Engineer | KSEB |
| 182 | Saju. S | Engineer | Major Irrigation |
| 183 | Sambasiva Rao -IAS | IT Mission Director | IT Mission |
| 184 | Sangeeth R | Executive Engineer | Dewasom Board |
| 185 | Sanil Kumar | Executive Engineer | Swadesh Darshan |
| 186 | Sankara Narayanan | D.E. | BSNL |
| 187 | Santhosh | Managing Director | PRATHEEKSHA BUS SHELTERS KERALA LIMITED |
| 188 | Santhosh | Head | Kerala Fiber Optic Network (K-FON) |
| 189 | Santhosh Kumar R.V. | EE | KWA |
| 190 | Santhosh Kumar Soman | Senior Consultant | GOI IT Data Centre |
| 191 | Santosh | AGM | BSNL |
| 192 | Sateesh | Planning Officer | Department of Tourism |
| 193 | Satheesh Kumar | Executive Engineer | KWA |
| 194 | Savitha K.S | Deputy Director | KSERC |
| 195 | Sayed | Technical Officer | NATPAC |
| 196 | Shaheem | Director-in-Charge | NATPAC |
| 197 | Shali | Deputy Superintending Engineer | PWD - Roads and Bridges Division |
| 198 | Shanda | JTO | BSNL |
| 199 | Shekhar | Member Secretary | State Emergency Operations Centre (SEOC) |
| 200 | Shiji | Secretary | TRIDA |
| 201 | Shivasuthani Pillai | ACP | Kerala Police Control Room |
| 202 | Shreejith | | Clean Kerala Company Limited |
| 203 | Shyam | IT Head | TMC |
| 204 | Shyamala | Advertisement Revenue Officer | TMC |
| 205 | Sindhu | Sub Engineer-Cantonment | KSEB |
| 206 | Sini | First Grade Overseer | TMC |
| 207 | SKP Ramesh | Ward Councillor-Chalai | TMC |

| Sn | Name | Designation | Department |
|-----|----------------------|---|--|
| 208 | Soma Shekharan | Principal | University College |
| 209 | Sreedevi | Engineer | Life Mission |
| 210 | Sreejith | Urban Planner | TMC |
| 211 | Sreekumar | Chief Engineer | KWA |
| 212 | Sri. Aadhithya R IPS | Deputy Commissioner of Police, Law & Order, Traffic | Kerala Police |
| 213 | Subail B S | Assistant Mission Coordinator | KSITM |
| 214 | Sujith S | Liasion Officer | Kerala State Warehousing Corporation |
| 215 | Sunder | CPM Local Secretary | Chalai |
| 216 | Suraj | Technical Assistant (S - Div) | Kerala Water Authority (KWA) |
| 217 | Suresh | Lab in Charge | CET |
| 218 | Suresh | Ward Councillor-East Fort | TMC |
| 219 | Suresh Babu | Project Manager | Kerala State Coastal Area Development Corporation Ltd (KSCADC) |
| 220 | Suresh Chandran | SE | KWA |
| 221 | Suresh Kumar | ACP | Traffic Police Control Room |
| 222 | Suresh Kumar | In-Charge (Mosquito Project) | Health Department |
| 223 | Suresh Kumar | General Manager | Kerala State Coastal Area Development Corporation Ltd (KSCADC) |
| 224 | Susan | Deputy Chief Engineer | KSEBL South Division |
| 225 | T.K. Jose | Additional Chief Secretary | LSGD |
| 226 | Teena Bhaskar | | Department of Tourism |
| 227 | Thankappan | Chief Engineer | Environmental Sensor (PAN City Project) |
| 228 | Thomas Isaac N | Board Secretary | KWA |
| 229 | Unni | EE | TMC-Major Irrigation |
| 230 | Unnikrishnan | AE | TMC |
| 231 | Unnikrishnan Nair | Superintending Engineer | PWD - Roads and Bridges Division |
| 232 | V Ratheeshan IAS | Executive Officer and Member Secretary | Sree Padmanabhaswamy Temple |
| 233 | V V Thomas | SE | PWD |
| 234 | V.K Joseph | Chief Engineer | KSEBL |
| 235 | Vasa T. | AEE | KSEB |
| 236 | Venugopal | Junior Engineer | District Employment Exchange |
| 237 | Venugopal | DGM | KSRTC |
| 238 | Vijay Kumar | DE, SDF, Electrical | DRM Office |
| 239 | Vijaya Lakshmi | Principal (HoD) | Government College for Women |
| 240 | Vijayalekshmi | Thampanoor Ward Councillor | Thampanoor Ward Councillor |
| 241 | Vimal K V | Assistant Engineer Contonement Section | KSEB |
| 242 | Vineeth V S | Field Engineer | KRFB |
| 243 | Vinod | Junior Health Inspector | Thiruvananthapuram Municipal Corporation |
| 244 | Vipin | AE, South Section | KWA- Palayam Division- Sub Division Chalai |
| 245 | Vishnu | Head Master | Thampanoor U.P. School |
| 246 | Vishnu | AEE (Operation) | Kerala Water Authority (KWA) |
| 247 | | Director | TRIDA |
| 248 | | Quality Control -Executive Engineer | KWA |

8 STAKEHOLDER CONSULTATION BY PMC TEAM

Along with continuous interactions with SCTL team, PMC team had consultation with key stakeholders pertaining to smart city projects like Hon'ble Mayor, MLA, CEO (SCTL), DIG (Police), TMC, KWA, KSEB, NATPAC, TRIDA, Thiruvananthapuram Municipal Corporation and other key stakeholders for inputs and support in implementing smart city projects in Thiruvananthapuram.

Table 13: Stakeholder Consultations by PMC team in the month of December 2019

| SN | Date | Stakeholder/ Designation | Name of Contact | Project / Key Agenda | PMC Team Member |
|----|------------------|--|---|---|--|
| 1 | 02 December 2019 | TMC - Mayor and other members | Shri P Balakiran and others | Linked Green Activity Zones(Open Gym) | Remi Krishna |
| 2 | 02 December 2019 | LSGD - Dy Chief Engineer | Mr.Rejeesh | Redevelopment of Palayam Market | Abraham, Kartika, Shameena |
| 3 | 03 December 2019 | CET- Faculty | Mr.Gireesh | Redevelopment of Palayam Market | Shameena, Abraham |
| 4 | 03 December 2019 | CEO - KRFB | Mr.Jeevaraj | Underground Ducting of Utilities | Jamal, Anil Kumar Sharma,Sabin, Sindhu |
| 5 | 04 December 2019 | TMC - Mayor,Health Inspector | Shri K Sreekumar, Anoop Roy | Vending Zones | Pournami |
| 6 | 04 December 2019 | SCTL- GM (Operations) | Dr.Sanoop Gopikrishna | Progress Review Meeting | Ranabir |
| 7 | 04 December 2019 | TMC -SE | Mr.Mohd Ashraf | Redevelopment of Palayam Market | Shameena |
| 8 | 05 December 2019 | TMC - EE,SE | Mr.Ashraf, Mr.Rajesh | Redevelopment of Palayam Market | Shameena,Kartika |
| 9 | 06 December 2019 | Government Engineering College Barton Hill - Faculty | Dr Suja Nair | Anantha - Phase II (Disaster Management) | Vineeth, P Sreekumaran Nair |
| 10 | 06 December 2019 | TMC-Mayor | Shri K Sreekumar | Vending Zones | Jamal Abdul Rasheed, Anil Kumar Sharma, Pournami |
| 11 | 06 December 2019 | SCTL - CEO | Shri P Balakiran | Adaptive Traffic Control System (ATCS) | Anil Kumar Sharma, Rajeev, Abraham,Ranabir |
| 12 | 06 December 2019 | LSGD - Dy.CE | Mr.Rejeevan, Mr.Sunil | Urban Street Haat-Charithra Veedhi | Shameena, Esakiaapan, Sabin |
| 13 | 06 December 2019 | TMC - EE, SE LSGD - Dy.CE | Mr.Ashraf, Mr.Rajesh, Mr.Rejeevan | Urban Street Haat-Charithra Veedhi | Kiran, Sindhu, Shilpa, Sabin |
| 14 | 07 December 2019 | LSGD - Dy.CE | Mr.Rejeevan | Redevelopment of Palayam Market | Shameena, Esakiappan |
| 15 | 09 December 2019 | TS Committee | TS Committee members | Underground Ducting of Utilities | Sindhu, Anil Kumar Sharma, Sabin, Jamal |
| 16 | 09 December 2019 | TS Committee | TS Committee members | Urban Street Haat - Charithra Veedhi, Vending Zones | Pallabi, Pournami, Kiran |
| 17 | 10 December 2019 | TMC- Mayor, Dy. Mayor, TS Committee Members | Shri K Sreekumar, Adv Rakhi Ravikumar, TS Committee members | Urban Street Haat - Charithra Veedhi | Kiran, Pallabi |
| 18 | 10 December 2019 | TRDCL- Project Manager | Mr.Gireesh | Adaptive Traffic Control System (ATCS) | Ravi |
| 19 | 10 December 2019 | KRFB-CEO | Mr.Jeevaraj | Underground Ducting of Utilities | Shilpa,Anil Kumar Sharma,Sindhu, Sabin |
| 20 | 10 December 2019 | SCTL-CEO | Shri P Balakiran | Upgradation of Anaganwadi and UPHCs | Vineeth |

| SN | Date | Stakeholder/ Designation | Name of Contact | Project / Key Agenda | PMC Team Member |
|----|------------------|---|---|---|--|
| 21 | 10 December 2019 | SCTL - CEO | Shri P Balakiran | TSCCC and Adaptive Traffic Control System (ATCS) | Rajeev,Ranabir |
| 22 | 12 December 2019 | TMC-Mayor, Welfare Standing Committee Chairperson, Secretary, ity Project Officer, Project Officer and Others | Shri K Sreekumar, S.S.Sindhu, Smt Deepa L S,Sasi Kumar,G S Ajikumara and others | Vending Zones | Pournami,Pallabi,Satheesh |
| 23 | 12 December 2019 | SCTL - CEO | Shri P Balakiran | Underground Ducting of Utilities | PMC Team Memebers |
| 24 | 13 December 2019 | KRFB-Field Engineer | Mr.Vineeth | Adaptive Traffic Control System (ATCS) | Ravi |
| 25 | 13 December 2019 | KRFB-CEO | Mr.Jeevraj | Underground Ducting of Utilities | Anie Justus, Sabin |
| 26 | 16 December 2019 | TS Committee | TS Committee members | Underground Ducting of Utilities | Jamal,Sindhu,Ravi,Sabin |
| 27 | 16 December 2019 | SCTL - Manager(PMM) | Jerry Jose | Redevelopment of Bus Shelters with Wi-Fi Hotspot facilities | Sabin,Vishnu |
| 28 | 17 December 2019 | KRFB-CEO,GM | Mr.Jeevraj, Mr.Gopalakrishna Pillai | Underground Ducting of Utilities | Anie Justus |
| 29 | 17 December 2019 | KSEB-Director(Distribution) | Mr.Kumaran | Underground Ducting of Utilities | Nithin,Ravi,Jama I,Anil Kumar Sharma,Alok,Kunal,Sindhu |
| 30 | 17 December 2019 | SCTL-GM(Operations),Manager (UD) | Dr.Sanoop Gopikrishna,Vishnu Venugopal | Integrated Transit Node (East Fort) | Vineeth,Pallabi, Kartika |
| 31 | 17 December 2019 | SCTL-CEO | Shri P Balakiran IAS | ICCC | Pallabi,Abraham ,Ranabir |
| 32 | 17 December 2019 | SCTL-CEO | Shri P Balakiran IAS | Adaptive Traffic Control System (ATCS) | Abraham,Ranabir,Rajeev,Pallabi |
| 33 | 18 December 2019 | KWA-SE | Suresh Chandran | Underground Ducting of Utilities | Sabin, Sindhu,P Sreekumaran Nair |
| 34 | 18 December 2019 | Kerala State Warehousing Corporation-Zonal Manager, Regional Manager, Liaison Officer,AE-Construction | Praveen Kumar,S Dileep Kumar,Sujith S, A Rasjad M | Warehouse facilities with ancillary activities at Chalai - Chalai warehouse with commercial complex | Pallabi,Kiran,Pournami |
| 35 | 18 December 2019 | SCTL-GM (Operarion),Manager-UP,Manager (PMM) | Dr.Sanoop Gopikrishna,Vishnu Venugopal,Jerry Jose | Multi Level Car Parking Cum Commercial Complex at Thampanoor | Rajeev, Anie Justus, Shameena, Nithin |
| 36 | 20 December 2019 | KSEB-AE | Mr.Vimal | Vending Zones | Nithin,Anooj |
| 37 | 20 December 2019 | PWD- | | Underground Ducting of Utilities | Sabin,Alagar |
| 38 | 20 December 2019 | BSNL-AGM | Santhosh Kumar | All IT Projects | Alok,Kunal |
| 39 | 21 December 2019 | TMC-EE | Mr.Rajesh | Underground Ducting of Utilities | Sindhu,Sabin,Shilpa |
| 40 | 24 December 2019 | Kerala Police-Deputy Commissioner of Police, Law & Order, Traffic | Aadhithya R IPS | TSCCC | Vineeth |
| 41 | 24 December 2019 | TS Committee | TS Committee members | Redevelopment of Palayam Market | Anooj |
| 42 | 24 December 2019 | SCTL-Manager(UD) | Vishnu Venugopal | Progress Review Meeting | Nilanjan, Pallabi |
| 43 | 24 December 2019 | SCTL-CEO | Shri P Balakiran | Underground Ducting of Utilities | P Sreekumaran Nair,Sindhu |
| 44 | 26 December 2019 | East Fort Ward Councillor | Mr.Suresh | Agraharam | Satheesh |
| 45 | 27 December 2019 | SCTL-CEO | Shri P Balakiran | Progress Review Meeting | Pallabi,Kiran,Pournami,Nilanjan |
| 46 | 30 December 2019 | TS Committee | TS Committee members | Underground Ducting of Utilities | Sabin,Sindhu,Alagar,Shilpa |

| SN | Date | Stakeholder/ Designation | Name of Contact | Project / Key Agenda | PMC Team Member |
|----|------------------|---|------------------|---|-----------------|
| 47 | 30 December 2019 | SCTL-CEO | Shri P Balakiran | Smart Mosquito Density System | Jamal,Alok |
| 48 | 30 December 2019 | TMC-Chairperson(Town Planning Standing Committee) | Palayam Rajan | Redevelopment of Bus Shelters with Wi-Fi Hotspot facilities | Ravi,Shilpa |

9 PROJECT SITE VISITS BY PMC TEAM

PMC team visited different project sites in the ABD area to assess existing status of smart city projects, their existing scenario in terms of status of infrastructure, provision of basic amenities, existing issues and problems. Site surveys were conducted for preparation of situation analysis, feasibility reports and Detailed Project Reports and for projects that are to be tendered. In addition to our routine project site visits, we have also engaged local vendor for carrying out detailed surveys like topographic surveys, passenger count, parking count, volume count etc. based on project need and priority. There were joint site visits long with SCTL team, Mayor, Technical Sanction Committee members and other officials for project feasibilities. Below table indicates list of site visits by PMC team in the month of December 2019.

Table 14: Project Site Visits by PMC team in the month of December 2019

| S. N | Date | PMC Team | Site visit locations | Project Name |
|------|------------|---|-------------------------------|---|
| 1 | 02-12-2019 | Vineeth,P Sreekumaran Nair, Kartika | East fort | Integrated Transit Node (East Fort Bus Stand) |
| 2 | 02-12-2019 | Remi Krishna, Dr. Sanoop Gopikrishna, Jerry Jose | Sreekanteswaram Park | Linked Green Activity Zones (Open Gym) |
| 3 | 04-12-2019 | Remi Krishna, Kiran, Pournami, Jamal | Attakulangara | Warehouse facilities with ancillary activities at Chalai - Chalai warehouse with commercial complex |
| 4 | 04-12-2019 | Remi Krishna, Kiran, Pournami, Jamal | Sreekanteswaram | Linked Green Activity Zones (Open Gym) |
| 5 | 04-12-2019 | Remi Krishna, Kiran, Pournami, Jamal | Fort School Thampanoor | Upgradation of Anganwadis and Public Health Centers |
| 6 | 04-12-2019 | Kabeer | Kerala Legislative Assembly | Sustainable Campuses (Solar Rooftop) |
| 7 | 04-12-2019 | Shilpa, Sindhu | Chala Warehouse | Warehouse facilities with ancillary activities at Chalai - Chalai warehouse with commercial complex |
| 8 | 04-12-2019 | Remi Krishna, Jerry Jose, Gayathri | Anganwadi Sites | Upgradation of Anganwadis and Public Health Centers |
| 9 | 05-12-2019 | Remi Krishna, Sabin, Vishnu | Open Gym Sites | Linked Green Activity Zones (Open Gym) |
| 10 | 05-12-2019 | Krishna Kurup | Thampanoor Ingate | Upgradation of Existing Public Toilets |
| 11 | 06-12-2019 | Pournami, Anil Kumar Sharma, Jamal | RKV Road | Vending Zones |
| 12 | 06-12-2019 | Remi Krishna, Shameena, Vishnu, Sabin | Anganwadi Sites | Upgradation of Anganwadis and Public Health Centers |
| 13 | 06-12-2019 | Sindhu, Kiran, Sabin, Shilpa | Charithra Veedhi | Urbn Street Haat- Charithra Veedhi |
| 14 | 10-12-2019 | Remi Krishna, Nithin, Krishna Kurup | Thampanoor | Upgradation of Anganwadis and Public Health Centers |
| 15 | 10-12-2019 | Jamal, Pallabi, Kiran, Gayathri Gopinath, Dr.Sanoop Gopikrishna | Charithra Veedhi | Urbn Street Haat- Charithra Veedhi |
| 16 | 10-12-2019 | Remi Krishna, Krishna Kurup | Fort School , Rajaji Nagar | Upgradation of Anganwadis and Public Health Centers |
| 17 | 10-12-2019 | Remi Krishna, Krishna Kurup | TMC | Upgradation of Existing Public Toilets |
| 18 | 11-12-2019 | Krishna Kurup, Remi Krishna, Salija | Statue Junction | Redevelopment of Bus Shelters with Wi-Fi Hotspot Facilities (Ph-III) |
| 19 | 12-12-2019 | Krishna Kurup, Remi Krishna, Salija | Bus Shelter Phase 3 locations | Redevelopment of Bus Shelters with Wi-Fi Hotspot Facilities (Ph-III) |
| 20 | 12-12-2019 | Remi Krishna, Kiran | Thampanoor | Upgradation of Anganwadis and Public Health Centers |

| S. N | Date | PMC Team | Site visit locations | Project Name |
|------|------------|--|-------------------------------|--|
| 21 | 12-12-2019 | Remi Krishna, Krishna Kurup | Sreekanteswaram Park | Linked Green Activity Zones (Open Gym) |
| 22 | 13-12-2019 | Vishnu | Killipalam | Redevelopment of Bus Shelters with Wi-Fi Hotspot Facilities |
| 23 | 13-12-2019 | Kartika,Rakesh | Killipalam | Redevelopment of Bus Shelters with Wi-Fi Hotspot Facilities |
| 24 | 16-12-2019 | Joseph,Esakiappan,Shameena | Bus Shelter Phase 3 locations | Redevelopment of Bus Shelters with Wi-Fi Hotspot Facilities (Ph-III) |
| 25 | 16-12-2019 | Vishnu | Killipalam | Redevelopment of Bus Shelters with Wi-Fi Hotspot Facilities |
| 26 | 17-12-2019 | Esakiappan | Model school junction | Redevelopment of Bus Shelters with Wi-Fi Hotspot Facilities |
| 27 | 17-12-2019 | Vishnu,Krishna Kurup | TMC | Upgradation of Existing Public Toilets |
| 28 | 17-12-2019 | Krishna Kurup | TMC,Putharikandom | Upgradation of Existing Public Toilets |
| 29 | 18-12-2019 | Ravi,Shilpa | West Nada | Renovation of Shri Anantha Padmanabhaswamy Temple Precinct |
| 30 | 18-12-2019 | Vishnu,Krishna Kurup | Killipalam | Redevelopment of Bus Shelters with Wi-Fi Hotspot facilities |
| 31 | 19-12-2019 | Krishna Kurup, Abraham | Water Kiosk Locations | Drinking Water Fountains |
| 32 | 20-12-2019 | Shilpa,Ravi | West Nada | Renovation of Shri Anantha Padmanabhaswamy Temple Precinct |
| 33 | 20-12-2019 | Vishnu,Krishna Kurup | Putharikandom | Upgradation of Existing Public Toilets |
| 34 | 21-12-2019 | Shameena,Vishnu,Remi Krishna,Krishna Kurup | Thampanoor | Upgradation of Anganwadis and Public Health Centers |
| 35 | 23-12-2019 | Remi Krishna,Vishnu,Algar | Thampanoor | Upgradation of Anganwadis and Public Health Centers |
| 36 | 25-12-2019 | Vineeth, Gayathri Gopinath | Water Kiosk Locations | Drinking Water Fountains |
| 37 | 26-12-2019 | Vishnu | Thampanoor | Redevelopment of Bus Shelters with Wi-Fi Hotspot facilities |
| 38 | 27-12-2019 | Shilpa,Ravi | East Nada | Renovation of Shri Anantha Padmanabhaswamy Temple Precinct |
| 39 | 27-12-2019 | Vishnu | Thampanoor | Redevelopment of Bus Shelters with Wi-Fi Hotspot facilities |
| 40 | 28-12-2019 | Vishnu,Shameena,Nithin | Thampanoor | Redevelopment of Bus Shelters with Wi-Fi Hotspot facilities |

Colours denote Joint Site visit

Picture 4: Few glimpses of our project site visits in the month of December 2019.





In addition to site visits, topographic surveys for specific projects are being conducted. Details of surveys conducted in the month of December 2019 are indicated in below table.

Table 15: Brief list of Surveys done in the month of December 2019.

| S.N | Project Name | Stretch Name / Location | Survey Date | Description of Survey |
|-----|---------------------|----------------------------------|-------------|-----------------------|
| 1 | Smart Road - Ph - V | Forest Office Lane | 06.12.19 | Topo Survey |
| 2 | Smart Road - Ph - V | Forest Office Lane | 06.12.19 | Topo Survey |
| 3 | Smart Road - Ph - V | Forest Office Lane | 07.12.19 | Topo Survey |
| 4 | Smart Road - Ph - V | Forest Office Lane E | 12.12.19 | Topo Survey |
| 5 | Smart Road - Ph - V | Forest Office to Bakery Junction | 12.12.19 | Topo Survey |
| 6 | Smart Road - Ph - V | Forest Office to Bakery Junction | 16.12.19 | Topo Survey |
| 7 | Smart Road - Ph - V | Forest Office to Bakery Junction | 16.12.19 | Topo Survey |
| 8 | Smart Road - Ph - V | Gandhi Bhavan Road | 20.12.19 | Topo Survey |
| 9 | Smart Road - Ph - V | Lenin Nagar Road | 23.12.19 | Topo Survey |
| 10 | Smart Road - Ph - V | Link Rd Number 2 | 27.12.19 | Topo Survey |
| 11 | Smart Road - Ph - V | Link Road Number 1 | 30.12.19 | Topo Survey |
| 12 | Smart Road - Ph - V | Bodheswaran Road | 30.12.19 | Topo Survey |

10 DATA/REPORTS COLLECTED:

PMC collected data in form of reports, maps, drawings etc. for assessing current scenario, situation analysis assessment, feasibility studies and department proposals and targets etc. PMC team collected following data in the month of December 2019 from stakeholders:

Table 16: Data/Reports Collection by PMC team in the month of December 2019.

| S.N | Date | Stakeholders/ Designation | Project | Data Collected list |
|-----|------------------|---|---|--|
| 1 | 02 December 2019 | Survey Team | Warehouse facilities with ancillary activities at Chalai - Chalai warehouse with commercial complex | Bore hole log for Attukulangara Site - Warehouse project |
| 2 | 05 December 2019 | PWD - Kerala | MLCPs cum Commercial Complexes (4 Nos) | Order for construction of MLCP in Public Office |
| 3 | 05 December 2019 | Centre for Continuing Education, College of Engineering, Trivandrum | Warehouse facilities with ancillary activities at Chalai - Chalai warehouse with commercial complex | Draft Report Geotechnical Investigation Report of Parking Plaza and Commercial Block at Chalai, Thiruvananthapuram |
| 4 | 17 December 2019 | PWD | Sustainable Campuses (Solar Rooftop) | PWD White Topping Revised Rates |
| 5 | 20 December 2019 | TRIDA | Redevelopment of Palayam Market | List of vendors to be rehabilitated |

11 TEAM MOBILISATION:

We have already mobilized all our input based in the PMC team at project office in Thiruvananthapuram. Additionally, we mobilized members of the design and support team, details are indicated in below table.

Table 17: Team Mobilisation till 31st December 2019.

| S No | Type | Designation | Team Member | Mobilization Date |
|------|--------------------------------|---------------------------|---------------------|-------------------|
| 1 | Key Professional / Input Based | Team Leader | Harshad Dhande | 13-Jun-18 |
| | | | Jamal Abdul R | 11-Sep-18 |
| 2 | Key Professional / Input Based | Dy Team Leader | Gopesh Shrivastava | 25-Jul-18 |
| | | | Anil Kumar Sharma | 02-Jul-19 |
| 3 | Key Professional / Input Based | Infrastructure Specialist | VA Ruthramurthy | 20-Jul-18 |
| | | | P. Sreekumaran Nair | 23-Jan-19 |
| 4 | Key Professional / Input Based | Procurement/Legal Expert | Amitava Basu Sarkar | 21-Jul-18 |
| | | | Rajeev Sharma | 16-Jan-19 |
| 5 | Key Professional / Input Based | Transport Planner | Arun Savi | 13-Jun-18 |
| | | | Ravi Nandawan | 25-Feb-19 |

| S No | Type | Designation | Team Member | Mobilization Date |
|------|--------------------------------|------------------------------------|---------------------|-------------------|
| 6 | Key Professional / Input Based | Urban Designer | Pallabi Gupta Roy | 25-Feb-19 |
| 7 | Key Professional / Input Based | e-Governance/-ICT Specialist | Alok Sharma | 13-Aug-18 |
| | | | Diwakar Singh | 03-Jan-19 |
| | | | Alok Kumar | 25-Feb-19 |
| | | | | |
| 8 | Key Professional / Input Based | Energy Management Specialist | Ahmed Kabeer | 13-Jun-18 |
| 9 | Key Professional / Input Based | Documentation/ Knowledge | Ranabir Dey | 03-Jul-18 |
| 10 | Key Professional / Input Based | Social Development Specialist | Satheesh Chandran | 03-Jan-19 |
| 11 | Key Professional / Input Based | Associate Engineer- Infrastructure | Alagarsamy A.R | 13-Aug-18 |
| 12 | Key Professional / Input Based | Associate Engineer Infrastructure | Sindhu K V | 10-Oct-18 |
| 13 | Key Professional / Input Based | Associate Engineer Infrastructure | Shameena A | 16-Jan-19 |
| 14 | Key Professional / Input Based | Support Engineer (IT) | Sauhard Sanghi | 18-Jun-18 |
| | | | Kunal Goswami | 20-May-19 |
| 15 | Key Professional / Input Based | Finance Officer | Nilanjan Mitra | 03-Dec-18 |
| 16 | Support Team / Input Based | Construction Manager | Dinesh Sharma | 16-Aug-18 |
| | | | Anie Justus | 23-Jan-19 |
| 17 | Support Team / Input Based | Assistant Construction Manager | Sabin V. S | 22-Oct-18 |
| 18 | Support Team / Input Based | Landscape Architect | Swati Dixit | 18-Dec-18 |
| 19 | Support Team / Input Based | Engineering Associate (Infra) | Karthika K.N. | 23-Jan-19 |
| 20 | Support Team / Input Based | Engineering Associate (Infra) | A. Esakkiappan | 14-Aug-18 |
| 21 | Support Team / Input Based | Engineering Associate (IT) | Saina Narayanan | 20-Dec-18 |
| 22 | Other Staff / Input Based | Urban Planner (Project Manager) | Imran Basha | 22-May-18 |
| 23 | Other Staff / Input Based | Associate Engineer | Shilpa PV | 13-Aug-18 |
| 24 | Other Staff / Input Based | Surveyor | Joseph George | 01-Aug-18 |
| | | | Suneel Kumar | 23-Jun-18 |
| 25 | Design and Development | Urban Planner | Kiranchand Vayyatt | 21-Jan-19 |
| | | | | |
| 26 | Design and Development | ICT System/Solutions Architect | K.V. Reddy | 24-Sep-18 |
| | | | Abhishek Sharma | 15-Jul-19 |
| 27 | Design and Development | Solid Waste Management Expert | Dr. Bharat Bhushan | 20-Jun-18 |
| 28 | Design and Development | Transportation Planner / Engineer | Jaffer Sharieff | 28-Jun-18 |
| 29 | Design and Development | Transaction Advisor for PPP | Rajeev Sharma | 23-Sep-18 |
| 30 | Design and Development | GIS & Remote Sensing Expert | Sandeep Lama | 23-Jun-18 |
| 31 | Design and Development | Heritage Conservation Expert | Nilan Cooray | 21-Nov-18 |
| 32 | Design and Development | Utility Engineer | Shameena A | 02-Jul-18 |
| 33 | Design and Development | Application Analyst | Pradeep Singh Uppal | 30-Apr-19 |
| 34 | Design and Development | Urban Planner | Sushmita R | 22-Oct-18 |
| | | | Pournami Narayanan | 04-Nov-2019 |
| 35 | Design and Development | Associate Engineer | Vishnugopal | 05-Mar-19 |
| 36 | Design and Development | Surveyors | Salija Mol | 29-Sep-18 |
| 37 | Additional Resources | Project Associate | Jasmine Kaur | 22-May-18 |
| | | | Praseeda M | 22-Oct-18 |
| 38 | Additional Resources | Associate Architect | Asish De | 25-May-18 |
| | | | Vineeth Gopinathan | 15-May-19 |
| 39 | Additional Resources | Office Manager | Renjith | 05-Jun-18 |
| | | | Raj Narayanan | 01-Aug-18 |
| 40 | Additional Resources | MIS Specialist | Pratip Ghosh | 06-Jul-18 |
| 41 | Additional Resources | Associate Architect | Malavika A R | 20-Jul-18 |
| | | | Manisha Reddy | 01-Mar-19 |
| 42 | Additional Resources | Draftsman | Anitha | 29-Aug-18 |
| 43 | Additional Resources | Architect/Urban Designer | Abraham | 27-Sep-18 |
| 44 | Additional Resources | Associate | Meenakshi R | 01-Dec-18 |
| 45 | Additional Resources | Draughtsman | Sreekumar A | 03-Dec-18 |
| 46 | Additional Resources | Urban Designer | Sudeshna Sarkar | 10-Dec-18 |
| 47 | Additional Resources | Structural Draftsman | Rakesh S B | 05-Feb-19 |
| 48 | Additional Resources | Support Engineer | Nithin Murli | 25-Mar-19 |
| 49 | Additional Resources | Architect | Midhun | 06-Jun-19 |

| S No | Type | Designation | Team Member | Mobilization Date |
|------|----------------------|--------------------------------|---------------------|-------------------|
| 50 | Additional Resources | Architect | Benjoy C Joy | 10-Jun-19 |
| 51 | Additional Resources | Architect | Dona Ann John | 12-Jun-19 |
| 52 | Additional Resources | Architect | Monisha Vallivila K | 15-Jun-19 |
| 53 | Additional Resources | Site Engineer | A Krishna Kurup | 19-Jun-19 |
| 54 | Additional Resources | Site Engineer | Remi Krishna S L | 19-Jun-19 |
| 55 | Additional Resources | Draftsman | Jeevan Kumar.G.K | 19-Jun-19 |
| 56 | Additional Resources | Civil Engineer (Transport) | Davesh Sharma | 09-Jul-18 |
| 57 | Additional Resources | SWM – Support | Lekha Thakkar | 26-Nov-18 |
| 58 | Additional Resources | Transport Engineer | Ansh Chopra | 23-Jan-19 |
| 59 | Additional Resources | Consultant: Solid Waste Mgmt | Abhishek | 20-Jun-18 |
| 60 | Additional Resources | Solid Waste Management | Ekta Gupta | 20-Jun-18 |
| 61 | Additional Resources | Architect | Jamal M A | 05-Oct-18 |
| 62 | Additional Resources | Subject Matter Expert | Pratik Dave | 10-Oct-18 |
| 63 | Additional Resources | Landscape Architect | Amit Jain | 09-Jul-18 |
| 64 | Additional Resources | Project Intern: Urban Designer | Meenakshi | 02-Jun-18 |
| 65 | Additional Resources | Project Intern: Urban Designer | Deepshika | 02-Jun-18 |
| 66 | Additional Resources | Electrical Design Engineer | Anooj Kamal | 02-Sept-19 |

*Duly signed attendance sheet has been annexed with this report.

ANNEXURE

