SMART CITY THIRUVANANTHAPURAM LIMITED

SCTL/TECH/3696/2024J(IT)2   24.10.2024

Expression of Interest (EOI)

A. General

Smart city Thiruvananthapuram Ltd. (SCTL) is a special purpose vehicle, incorporated under the Companies act for the implementation of the Smart city Mission (Central Scheme) in Thiruvananthapuram. Enhancement of the quality of life of Urban population through the integration of selected smart initiatives including Infrastructure is the prime achievement of this project. Out of 100 cities across the country Kerala got 2 cities viz. Cochin and Thiruvananthapuram for this transformation process. E-Governance and citizen services, waste management, water management, urban mobility, energy management, citizen safety and the surveillance, sustainable development, etc. are the core sectors focused for integration of Smart services. The mission works on a competitive move where city's performance is constantly monitored by the Smart City mission.

B. Purpose of EoI

The Smart City Thiruvananthapuram Limited (SCTL) intends to have a web & mobile-based Project Management Software to handle the entire life-cycle of the project from the Administrative sanction till the closure of the contract. The proposed solution should have a minimum but not limited to of the following modules:

- Project Module (Creation, BoQ, Scheduling, Monitoring)
- Bill of Quantity, Resources, and Micro-scheduling
- Project Monitoring and daily updation through Mobile application
- Inspection and Hindrance Notifying module
- MIS reporting (alerts on slippage of schedule, physical progress, financial progress, CPM/PERT, various charts & reports, etc.)
- Measurement Module - Daily Measurements, Combined Measurement (milestone based/ group based / etc.)
- Financial Progress Monitoring and Fund utilization

The brief functionality requirements are given in Annexure 1. The firm can add additional modules and functionalities to meet the entire requirement of Project Management Software.

Note: The entire work has to be completed and the software shall be operational within 2 months from the date of Letter of Award.
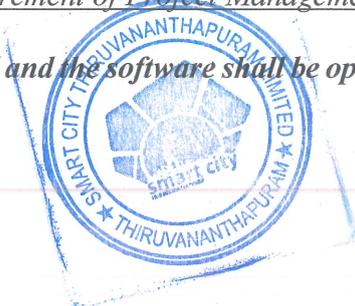
C. EoI Submission

The interested firm shall submit their expression of interest with details- the solution document, schematic drawings, Architecture, and other supporting technical documents to the below address on or before 04th November 2024 17:00 Hrs

The submission must be in sealed two cover with labelling – Technical Proposal in one cover and Financial Proposal in other cover.

Interest firm shall have experience preferably in the development of Project Management Software and should have developed and installed for at least 1 Government clients in India, The details have to be furnished along with the Technical proposal EoI.

The SCTL will arrange a technical presentation based on the EoI submitted and the schedule and venue for conducting the presentation will be intimated later. The real data (one of the ongoing projects) will be shared with the firm to demonstrate the functionalities.

Chief Executive Officer
Smart City Thiruvananthapuram Ltd. (SCTL)

BRIEF FUNCTIONALITY REQUIREMENTS

S/n	Module	Functionality Description
1	Project Module	1. Should be able to create the Project with a minimum of the following details: • Project Name • Project Description • Location details (Constituency, Local Body, Geo Info) • Administrative Sanction (AS) Details • Technical Sanction (TS) Details • Funding Agency & Project Category • Upload all project related document 2. Defining multiple roles and designations covering Contractors, Consultants, and Clients. 3. Mapping of the officials to the projects and subprojects/activities and defining the workflow pattern
2	Bill of Quantity, Resources, and Micro-scheduling	1. Project Scheduling and BoQ creations (Work Breakdown Structure), based on the tender condition and timeline 2. Update BOQ task and subtask (Micro-scheduling) 3. Milestones configuration and adherence checking 4. Schedule/timeframe for each activity and sub-activities 5. Import facility for BoQ
3	Project Monitoring and daily updation through Mobile application	1. Field officials should able to update the daily progress through the mobile application 2. Progress status with photograph and GIS location data 3. Comparison based on the actual and planned progress and the delays 4. Graphical representation shall be generated based on the actual physical progress being updated daily through the mobile app. 5. Bill Monitoring (Amount, date , visa-a-visa, and sanctioned amount, date, deductions, etc.) 6. Physical and Financial Progress Monitoring and in comparative bar chart

S/n	Module	Functionality Description
		7. Notification/message to concerned officials
4	Inspection and Hindrance Notifying module	1. Scheduling of the Inspection 2. Notification to the respective officials 3. Adding the comments/observations and inspection reports 4. Hindrance at the site is to be raised through the mobile app with an escalation mechanism. 5. Entry for hindrance clearances
5	Measurement Module	1. Daily measurements in the prescribed format 2. Combined measurements based on milestone/groups for invoice preparation and scrutiny 3. Abstract preparation for payment processing
6	MIS reporting	4. The dashboard should be based on the user roles 5. Various types of management reports with filtering like progress started, not-started, Progress (10%, 25%, 50%, 75%, 100%, etc.), completed, terminated, etc., district-wise, constituency, etc. 6. Graphical and tabular reports (CPM and PERT) with identified critical activities 7. Physical Work Related 8. Hindrance related 9. Bill Related 10. Export Facility for PDF and Excel forms 11. All kinds of alerts (task slippage, delays in days with reference to the schedule, task dependencies, etc.) are to be generated and provided to the respective logins 12. Project time period extension based on the site hindrances & the time taken to address it and earlier extensions granted. 13. Project Completion Report, Completion cost, etc.

Chief Executive Officer

Smart City Thiruvananthapuram Ltd. (SCTL)