



REQUEST FOR PROPOSAL

IMPLEMENTATION OF Intelligent Traffic Solution (ITS)

FOR

THE ADMINISTRATIVE CAPITAL FOR URBAN DEVELOPMENT

1. Introduction

1.1. New Capital City Overview

The new capital city of Egypt is to be located 45 kilometers (28 miles) east of Cairo and just outside the second greater ring road in a currently largely undeveloped area halfway to the seaport city of Suez. The city will become the new administrative and financial capital of Egypt, housing the main government departments and ministries, as well as foreign embassies. On 700 square kilometers (270 square miles) total area, it would have a population of eight million people, though it is estimated that the figure could rise to ten million. Officially, one major reason for undertaking that project is to relieve congestion in Cairo, one of the world's most crowded cities, with forecast for its population to double in the next few decades.

The city is targeted to be a smart and sustainable city that uses information and communication technologies (ICTs) and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social, environmental as well as cultural aspects.

1.2. Smart City Strategy

The new capital will become the world's largest smart city. ACUD strategy towards a smart city implementation focus on five pillars:

- Safe city: Build the highest standards of security to ensure the safety of citizens and businesses.
- Connected city: Build a reliable, high-speed, efficient, sustainable national communication infrastructure to connect economic elements and create revenue streams.
- Integrated city: Build a unified information-sharing platform to share resources across machines, people, departments, promoting economic growth.
- Digital city: Build fully automated and customer-centric services to ensure better operation and higher rates of satisfaction.
- Role model city: Build a state of art city that can be replicated in other cities across Egypt.

By considering best practices in global smart cities as well as the status of Cairo, this project puts forward the "Smart Capital" framework. Which consists of four layers: applications and services, data center, active network, passive network.

2. RFP Objective

ACUD intends to select a master system integrator (MSI) / consortium to participate in the design, development, implementation, maintenance and integration of the smart ITS solution starting from the date of awarding the contract and until five years after the go live date. This RFP contains the scope of work that will be assigned to the MSI as part of this project.

The MSI will design and develop an integrated ITS solution for ACUD with the focus on the below tracks:

- Traffic Management

- Law enforcement and violations detection
- Bus stations
- Parking lots
- Non-motorized infrastructure
- EV charging
- Control rooms finishing

The MSI is required to provide the following as part of this assignment:

- Design of the above tracks (by certified experienced consultant as part of the consortium).
- Procurement of the required devices/ licenses.
- Implementation and installation of the required systems.
- Technical operation and maintenance for 5 years from the Go Live date.

3. Scope of Services

MSI (along with its consortium partners) will be responsible to analyze user needs, develop system requirements, design, implement, test, measure and validate, and maintain the intelligent traffic system. The scope of work for the MSI will comprise development of Smart City system under following tracks:

- Bus Stations (The scope of the bidder shall include only the design of the bus stations and its interworking with traffic lights. The scope also includes setting the stations locations, however the execution is out of scope).
- Parking lots (only design, as the execution is out of scope)
- Traffic lights and pedestrian and bicycle activated signals
- Integration with public transportation means
- Bicycle pods and Non-motorized Transport (NMT) infrastructure
- EV Charging (The scope of the bidder shall include only the design of the EV Charging units and setting the units locations, however the execution is out of scope).
- Law enforcement and traffic violations detection
- Fleet management using the national RFID scheme
- Traffic analysis
- IT resources
- Control room preparation

The scope includes software / hardware development and implementation, Information Technology (IT) and required Non IT infrastructure procurement, deployment, implementation and maintenance. The implementation period for this RFP is approximately 1 year. The maintenance phase will be for a period of five years after Go-Live. MSI needs to design, implement and operate the ITS project on turnkey basis. MSI needs to do the appropriate solution design and sizing for the project as per the scope of work and other terms and conditions of the RFP. In case MSI has not considered any component/service, which is necessary for the project requirement, the same needs to be brought by the MSI at no additional cost to ACUD.

4. Fact Sheet

Ser#	Item	Description
1	Method of Selection	The method of selection is based on price performance techniques. The contract will be awarded to the bidder who gets the highest score when applying the formula (0.75 x Technical score + 0.25 x Financial score)
2	Availability of RFP Documents	Available at ACUD premises
3	Tender document fee(Non-refundable and Not – exempted)	<p>USD 10,000 Deposited to bank Misr account details below:</p> <p>Account Number: 4760 120 0000 55555</p> <p>Currency: USD</p> <p>Company name: Administrative Capital for Urban Development</p> <p>Or with certified check addressed to: شركة العاصمة الادارية للتنمية العمرانية</p> <p>Swift code :BMISEGCXXXX</p>
4	Bid Security/Earnest Money Deposit (EMD)	US \$(2,000,000) or equivalent by Egyptian pound according to central bank of Egypt exchange rate by bank guarantee from local Egyptian bank (as per format attached)
5	Bid validity	Bid must remain valid up to 180 (One Hundred & Eighty) days from the actual date of submission of the Bid.
6	Currency of Bid	The bidders may quote their price in <u>US DOLLAR</u> or <u>EG Pounds</u> and will receive payment in <u>EG Pounds</u> only according to central bank of Egypt exchange rate at the date of payment.
7	Name and Address for Correspondence	Eng. Mohamed Khalil , ACUD; EGYPT
8	Date of submission for technical and financial offers	13 th June, 2021.