

REQUEST FOR EXPRESSIONS OF INTEREST (CONSULTING SERVICES – CONSULTING INDIVIDUALS)

COUNTRY: Federal Democratic Republic of Ethiopia

NAME OF PROJECT: Transport System Improvement Project (TRANSIP)

Credit No.:5816

Assignment Title: Enterprise Architect for Federal Transport Authority (FTA)

The Government of the Federal Democratic Republic of Ethiopia *has received* financing from the World Bank toward the cost of the Transport Systems Improvement Project (TRANSIP), and intends to apply part of the proceeds for consulting services.

The consulting services (“the Services”) include:

- (a) high level design, development and maintenance of the Enterprise Architecture (EA), preparation of terms of reference and bidding documents for the hiring of an architect firm for the preparation of detail specifications and the architecture design of the systems; and
- (b) following up and supervising the architectural firm until the detailed design is completed.

The Project consists of the following activities which will be implemented in 11 Regions and 74 Zonal Offices.

Activity A: Establishing Driver licensing System: enables Driving License Issuing Authority to securely process the driver licensing business processes and print driving license in a standard multilingual supported and secured format by using powerful image capturing and processing capabilities. This system will also be integrated with driving schools management solutions.

Activity B: Establishing Vehicle Registration and Inspection System: which automates Vehicle verifications and Registration process coordinated, and makes it a very smooth, effortless and secure process. This system handles the vehicle registration and vehicle related transactions and provides certificate printing and delivery capabilities. This system will also be integrated with Inspection centers and vehicles Inspection vans.

Activity C: Establishing Penalty management system: This activity includes penalty collection and recording mechanism. The system will be a **penalty point** system in which a **driver's** licensing authority issues cumulative **points to drivers** on conviction for road traffic offenses. The aim of penalty points is to influence and improve driver behavior and address the unacceptable levels of death and serious injury on our roads. This system also integrates with traffic police system and equipment.

Activity D: Establishing Road Accident Data management system: This system is expected to provide on-demand real-time input and retrieve accident and managing of road accident information in an integrated manner.

Activity E: Establishing the Network Infrastructure which connects seventy-four (74) Zonal offices, nine (9) Regions and two (2) City administration offices with the data centers via the WoredaNet.

Activity F: Central Help Desk Ticket System: A central help desk ticket system will be implemented to provide online support center to provide technical support, record and track issues of the systems for future improvement, and to ensure a smooth operation of the systems across federal, regional, and zonal levels.

I. Hence, the main objectives of the technical assistance are:

1. To link the business objectives, strategies, and processes of the organization to its IT strategies,
2. To deliver high level EA that supports the upmost efficient, integrated and secure IT environment to meet the business needs/requirements. This will involve building a comprehensive Information Technology (IT) infrastructure architecture and platform.
3. To prepare TOR and bidding document that enables hiring of an architect firm for the designing of an integrated and comprehensive traffic and transport management information system that incorporates establishing of Driver licensing System, Vehicle Registration and Inspection System, Penalty management system, Road Accident Data management system, Network Infrastructure and Central Help Desk Ticket System.
4. To supervise the firm during design of the system; and develop a road map for future system integration.
5. To guide the FTA technical team on systems development and knowledge transfer. The Consultant will also support the alignment of the vision of business strategy of the FTA. To do this, this individual consultant will provide direct support and guidance to the technology teams across the Project.

This assignment will be split in to two parts:

Part 1 of the Assignment constitutes

1. Design and deliver IT Strategy and EA with a logical and physical design of the EA components based on the approved Strategy;
2. Develop high quality architectural artifact which clearly explains the enterprise architecture and decisions behind it. Make sure that all artifacts are approachable and useable by the target stakeholders. These will include architectural domain models across business, information, application and technology domain.
3. Prepare TOR and bidding documents for the hiring of architect firm, which will engage in the design and supervision of the development and installation of the IT systems, and facilitate the bidding process according to the guidelines of the World Bank Group.
4. Ensure the usability of shared infrastructure and applications to reduce costs and improve information flow. Ensure projects not to duplicate functionality or diverge from each other or between business and IT strategies.
5. Provide assistance to the Project implementation unit and others by sharing information related to the projects.
6. Conduct and/or actively participate in the meetings related to the designated project/s, both locally and internationally, with clients and/or partners.

7. Share best practices, lessons learned and constantly updates the technical system architecture requirements based on technologies, and knowledge related to recent, current and up-coming vendor products and solutions.
8. Prepare and participate in the preparation of implementation strategy of the underlying project.
9. Full participation in the meetings of Technical Evaluation Committees (TEC) to be constituted in the Project team and technical steering committee for processing / evaluating the technical and financial proposals for their finalization in line with guidelines of the World Bank Group; and

Part 2 of the Assignment constitutes

Part 2 of the assignment will commence upon successful completion of Part 1 and satisfactory performance of the assignment by the Consultant. The Consultant will carry out the following tasks, during part 2 of the assignment:

1. Oversee and supervise the overall design of the entire IT systems to meet the envisaged business enterprise architecture, and maintain close link with the vendors for smooth and timely completion of the work.
2. Support the project team in the implementation strategy to ensure the works are carried out in a manageable manner and according to international professional practice;
3. Recommend and participate in the analysis, evaluation and development of enterprise long-term strategic and operating plans to ensure that the EA objectives are consistent with the enterprise's long-term business objectives.

The total duration of Technical Assistance Services for part one of this assignment will take 3.5 months and part two of this assignment will take 24 months.

The expected time of commencement will be December 2016.

The Federal Transport Authority (FTA) now invites eligible individual consultants to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The short listing criteria are: Experience and Qualification requirements

a) Skills/Experiences

1. Proven experiences in EA, including the development of roadmaps
2. Experiences of system architecture including the development of, and adherence-to, architecture principles and standards
3. Experiences of IT strategy and Government formulation, Standards, Procedures and Policies formulation.
4. At least 7 years' experiences in IT design and architecture at enterprise level.
5. Experiences of risk assessment and management across both IT and Business domains
6. Excellent stakeholder management skills and selling of the architectural vision.
7. Demonstrable knowledge of architecture governance through the use of enterprise architecture artifacts including principles, policies, views, viewpoints and building blocks
8. Experiences as a technical lead for major technology implementation projects.

b) Qualifications

1. Master's degree in Computer Science, Information Systems, Business Information system or equivalent discipline
2. Experiences across technical domains, e.g. enterprise software architecture and design, enterprise resource planning (ERP), network, storage, server, help desk, data centre, and telecommunications.
3. TOGAF (The Open Group Architectural Framework) or similar Certified .
4. The candidate shall submit two recommendation letters and three references from beneficiaries for whom the consultant has previously been engaged in relevant assignments.

The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's [*Guidelines: Selection and Employment of Consultants under IBRD Loans & IDA Credits & Grants by World Bank Borrowers*](#), January 2011 (Revised July 2014) ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.

The selection of individual consultant will be conducted in accordance with the procedures set out in the World Bank's [*Guidelines referred to above*](#).

Further information can be obtained (collect the terms of reference) at the address below during office hours: from 09:00 A.M to 12:30 A.M hours and from 2:00 P.M to 5:00 P.M hours, Monday to Thursday and 09:00 A.M to 11:30 A.M and 2:00 P.M to 5:00 P.M on Friday.

The Expression of Interest along with documentary evidences must be delivered in written form to the address below on or before Nov 22, 2016, 4:00P.M.

Attention:

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Project Implementation Unit Head,
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**Transport System Improvement Project
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