



## Republic Geodetic Authority

### REQUEST FOR EXPRESSIONS OF INTEREST CONSULTANCY SERVICES

**Republic of Serbia**  
**Real Estate Management Project (REMP)**  
**Project ID No. P147050**

**Assignment Title:** Quality Review of Integrated System of Real Estate Cadastre Implementation (with Special Reference to Phase 3)

**Reference No.** SRB-REMPAF-9020YF-CQS-CS-22-219

The Republic of Serbia / Republic Geodetic Authority have received financing from the World Bank toward the cost of the Real Estate Management Project, and intend to apply part of the proceeds for consulting services.

The main objective of this Quality Review is to review and assess whether the Integrated System of Real Estate Cadastre (ISREC), developed under the “Real Estate Management Project” meets all non-functional requirements, including source code quality, system integration, system performance, security and others.

The firm (hereinafter: Consultant) will serve as a support to the RGA during implementation of the ISREC as well as review of contract management, QAQC aspects (related to the analysis, design, development, and implementation for software solutions), additional review of the business processes, database, source code, performance, etc. (all important aspects of ISREC). Additionally, the consultant must assist the RGA in avoiding pitfalls in project. The consultant will provide warnings and recommendations to the RGA, thereby increasing the chance of success.

#### **Method of implementation and specific objectives**

In order to perform all tasks, they will be divided into two segments:

##### **1. The Quality Review is focused at two entiretyies:**

**A.** Project Activities related to the establishment of a new RGA IS that provides cross-organization integration and is consists of several modules, such as Address Register, Administrative Units, DMS, ERP, BI, Real Estate Cadastre Software, Utility Cadastre, etc.;

**B.** Develop a Requirements tracking matrix for ISREC phase III contract and work with RGA team to identify which of those are met, changed, cancelled, in progress, not met. The consultant will prepare a recommendation for improvement of contract management and meeting the pending mandatory non-functional requirements with a special attention on the system performance and response time requirements, system roll out (data migration, training and support to end users, improvements of the implementation plan).

##### **2. Based on current needs of RGA, we envision the following missions:**

**A. 1 mission** - The main task is to resolve the system performance, complete source code quality review and recommendations for improvement, etc.;

**B. 2 Subsequent missions** - The main task is to review the data migration, data validation and roll out plan and suggestions for improvements, etc.

#### **Deliverables:**

The Consultant will be responsible to deliver the following:

- Review the solution architecture (ISREC).
- ISREC Phase III contract Requirements Tracking Matrix with the status of each of the contract requirements.
- Review of migration related aspects; review data and database aspects related to performance (ISREC Phase III).

- Technical quality audit of the ability of DMS (ISREC system Phase I) to provide and receive services from other systems (especially ISREC Phase III) and to use the services to interchange information.
- ISREC Phase III Performance testing report (done together with the RGA, ISREC supplier, Hardware, licenses, communication lines suppliers) with requirements for the next steps with time estimation.
- ISREC Phase III Source Code technical quality review report.
- Technical Report with recommendations for improvement of the RGA contract management.
- Plan for meeting the pending mandatory requirements with time estimation.
- Recommendations for improvement system performance, system integration (Phase I with Phase III) and basic ISREC data (available to NSDI and other external systems as services).
- Recommendations for improvement of the national roll-out plan.
- Review of submitted recommendations for improvement (done compared to the proposed).

Consultant will be responsible to deliver the following reports:

- Quality Review of ISREC.
- Mission reports.
- Recommendations for improvement.
- Final report.

### **Period of Performance**

Assignment duration is 6 months with 30 working days (covers 3 missions and home days for document review, mission preparation and reporting). The duration of the assignment may be renewable subject to satisfactory performance of the consultant and future requirements of RGA.

The assignment is expected to start in mid-May.

The detailed Terms of Reference (ToR) and Request for Expressions of Interest (REoI) for the above referenced consulting services are posted on the website of the RGA at <https://rgz.gov.rs/vesti/5068/vest/-oglas-za-anga%C5%BEovnje->

The Project Implementation Unit (PIU) of the Republic Geodetic Authority now invites eligible consulting firms (“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:

- experience and description of similar assignments
- availability of skilled staff
- CV of the IT Quality Assurance & Control Expert.

### **The requested qualifications of the Consulting Firm are the following:**

I.

10 years of international experience (proved by company references) in ICT consulting services in carrying out technical quality audits on multi-agency information systems including:

- › ISO20000 or equivalent certification
- › ISO19152 or equivalent certification
- › System analysis using automated tools
- › Software architecture analysis
- › Application performance testing

The Consultant should demonstrate proven experience in quality control, performed during the last 3 years, where the system has similar complexity and size.

In addition to the ICT project management skills, the Consultant should have experience with international cooperation projects, with emphasise on the understanding of the quality standards, monitoring and reporting.

Previous experience with QA/QC of Cadaster and property registration systems as an advantage.

### **The requested Experience and Qualifications of Consultant’s Staff are:**

II.

#### **The IT Quality Assurance & Control Expert**

*Mandatory Qualifications and skill:*

- Bachelor's degree in Computer Science, Information System or related field.

- Minimum 15 years of years of international experience with the design, development, test processes, and deployment of (geo-spatial) information system development.
- Minimum 5 years of software quality assurance/testing experience of increasing complexity with the planning, organization, and control of Software Quality Procedures for complex information system development projects and experience in developing software and associated documents.
- Minimum 15 years' experience in reviewing and analysing the system design, development and implementation especially for GIS, Land Registration and Cadastre.
- Solid experience with testing modern-based applications in an informal to semi-formal testing environment.
- Solid experience with Quality Assurance methods, standards, and tools.
- Familiarity with the underlying architecture of a modern-based application for Land Registration and Cadastre is required.

*Desirable:*

- At least one accomplished project for Cadaster and property registration systems in the area of IT Quality assurance, IT planning or IT strategy.
- To be resourceful enough to apply testing methodologies even when a formal specification is not available.
- Experience in using defect tracking and test management tools.
- Understanding of the information system development life cycle processes, and sufficient knowledge of the application of various information system development methods (e.g. waterfall, iterative).
- Solid troubleshooting and analysis skills with attention to detail and quality.
- Excellent knowledge in the English language.
- Ability to work independently as well as a member of a team.

The Consultant shall submit only one proposal, either individually or as a Joint Venture partner in another proposal. If a Consultant, including a Joint Venture partner, submits or participates in more than one proposal, all such proposals shall be disqualified. This does not, however, preclude a consulting firm to participate as a sub-consultant, or an individual to participate as a team member, in more than one proposal.

The following selection criteria with corresponding points will be used for the above positions in the evaluation procedure:

**Specific experience relevant to the assignment .....50 pts**  
**Qualifications for the assignment .....30 pts**  
**Competence for the assignment .....20 pts**

The attention of interested Consultants is drawn to paragraphs 3.14, 3.16 and 3.17 of the World Bank's Procurement Regulations for IPF Borrowers – Procurement in Investment Project Financing Goods, Works, Non-Consulting and Consulting Services (July 2016, revised November 2017, August 2018 and November 2020) (“the Regulations”) setting forth the World Bank's policy on conflict of interest.

The Consultant will be selected in accordance with the Consultant's Qualifications Based Selection (CQS) method as set out in the World Bank's Procurement Regulations for IPF Borrowers – Procurement in Investment Project Financing Goods, World, Non-Consulting and Consulting Services (July 2016, revised November 2017, August 2018 and November 2020) (“the Regulations”).

Further information can be obtained at the address below during office hours 09:00 to 15:00 hours.

Expressions of interest must be delivered in a written form to the address below or via e-mail by **May 17<sup>th</sup>, 2022, 12:00 AM.**

When submitting Expressions of interest please indicate assignment and reference number for which you are applying.

Republic Geodetic Authority  
 Project Implementation Unit  
 Bulevar Vojvode Mišića 39  
 11000 Belgrade, Republic of Serbia  
 Pisarnica, soba br.M001, prizemlje  
 Tel/Fax: +381 11 715 2600 extension 2575  
 E-mail: [nteodosijevic@rgz.gov.rs](mailto:nteodosijevic@rgz.gov.rs)