

## **REQUEST FOR EXPRESSIONS OF INTEREST**

### **CONSULTING SERVICES – INDIVIDUAL CONSULTANTS**

**Republic of Serbia**

**The Serbia Railway Sector Modernization Project (SRSM)**

**Project ID No. P170868**

**Assignment Title:**

**Individual Consultant (full time) - Civil Engineer with Railway Expertise**

**Reference No. SER-SRSM-QCBS-CS-21-04**

For the purpose of financing Serbia Railway Sector Modernization Project, Phase 1 of the MPA, IBRD and the Agence Francaise de Développement (AFD), jointly, granted to the Republic of Serbia EUR 102 million loan to support enhancing the efficiency and safety of existing railway assets and improving governance and institutional capacity of the railway sector and the Republic of Serbia intends to apply part of the proceeds to payments for consulting services to be procured under this project.

#### **Scope of Work**

The Civil Engineer with Railway Expertise of the PIU will be responsible for the following duties:

- Coordination, commenting, guiding and overseeing rail engineering design(s) and civil works;
- Providing expert advice on civil engineering issues related to the Project, including civil engineering interfaces with other rail infrastructure components (superstructures);
- Ensuring the safety and legal compliance of all design/construction work;
- Participating in drafting and reviewing the tender documents for supervision consultant;
- Liaise with the PIT, Central Fiduciary Unit (CFU) and Head of the PIU regarding technical inputs needed for preparation of Bidding Documents, Technical Specifications, Requests for Proposals, Terms of Reference, Monitoring Reports etc.
- Active participation and assistance during the tender preparation, processing, evaluation and selection;
- Review and evaluate contractors'/consultants' technical documentation, and schedule;
- Assist the Client to management of execution of work and/or service contracts ensuring their completion within defined timeframe, budget and at the required quality;
- Visit construction site to monitor progress;
- Assist the Head of the PIU in preparing the PIU Reports to the Client and World Bank Cost, Time, Resources, and Scope;
- Close cooperation with other PIU staff to be selected for support to implementation of the Project, and
- Any other task assigned by the Head of the PIU.

The Consultant shall provide full time services for the life of the Project, i.e. until December 31, 2026, with a probationary period of six (6) months. The Consultant should be available to commence no later than one month after contract signature.

**In order to be selected, the Consultant must possess, at the minimum, the following qualifications:**

- Advanced degree or minimum 5-year university degree in civil engineering or similar;
- Area of professional expertise: Railway Sector;
- Minimum 10 years of general professional experience;
- Minimum 7 years of professional experience in railway sector;

- Good knowledge and practice of the regulations and technical directives applicable to civil engineering and technical designs for railway projects;
- Experience working with or within the public sector will be an advantage;
- Experience working on IFI or EU projects will be advantage;
- Experience in preparation of tender documentation and other relevant project documentation (e.g. feasibility studies, designs, etc.) will be an advantage;
- Knowledge of local (regional) language will be an advantage;
- Good knowledge of English language;
- Computer skills: AutoCAD, Word, Excel, scheduling tools (e.g.: MS Project or similar)
- Project Management with multiple stakeholders will be an advantage;
- Self-Planning & Organizing, Problem Solving, Communication, Teamwork, Initiative.

The detailed Terms of Reference for the above referenced consulting services is posted on the website of the Ministry of Construction, Transportation and Infrastructure (MCTI) [www.mgsi.gov.rs/en/dokuments/serbia-railway-sector-modernization-srsm-project-piu](http://www.mgsi.gov.rs/en/dokuments/serbia-railway-sector-modernization-srsm-project-piu).

The Central Fiduciary Unit (CFU) of the Ministry of Finance now invites eligible individual consultants to indicate their interest in providing the Services. Interested consultants must provide Cover Letter and CV representing description of similar assignments, experience in similar conditions and availability of appropriate skills (scanned diplomas to be sent with CV).

The evaluation criteria for the assignment:

- Specific Experience relevant to the Assignment ( 60 Points)
- Qualifications and Competence relevant to the Assignment ( 40 Points)

The attention of interested Consultants is drawn to paragraph 3.16 and 3.17 of 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”) setting forth the World Bank’s policy on conflict of interest.

A Consultant will be selected in accordance with the *Open Competitive Selection of Individual Consultants* as set out in the Regulations.

Interested consultants may obtain further information from the CFU at the address below from 09:00 to 15:00 hours.

Expressions of interest **in English language** must be delivered to the e-mail address below by **September 9, 2021, 12:00 Noon**, local time.

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

Contact:	E-mail:	Address:
To:	<a href="mailto:zorica.petrovic@mfin.gov.rs">zorica.petrovic@mfin.gov.rs</a> Ms. Zorica Petrovic Procurement Specialist	Ministry of Finance Central Fiduciary Unit 3-5 Sremska St 11000 Belgrade, Serbia Tel/Fax: (+381 11) 202-15-30
Cc:	<a href="mailto:lijiljana.dzuver@mfin.gov.rs">lijiljana.dzuver@mfin.gov.rs</a> <a href="mailto:lijiljana.stojic@mgsi.gov.rs">lijiljana.stojic@mgsi.gov.rs</a>	

**Serbia Railway Sector Modernization Project**  
**TERMS OF REFERENCE**  
**For**  
**Civil Engineer with Railway Expertise**

## **Background**

The International Bank for Reconstruction and Development (IBRD) launched the Multiphase Programmatic Approach (MPA) to support the Government of Serbia in continuation of institutional, physical and operational modernization of the railway sector in an integrated manner through providing financial support to Serbia Railway Sector Modernization Project as part of the Multiphase Programmatic Approach to be implemented in three overlapping phases over the ten-year period.

For the purpose of financing Serbia Railway Sector Modernization Project, Phase 1 of the MPA, IBRD and the Agence Francaise de Développement (AFD), jointly, granted to the Republic of Serbia EUR 102 million loan to support enhancing the efficiency and safety of existing railway assets and improving governance and institutional capacity of the railway sector.

The Project includes following components:

- Component 1: Infrastructure Investments and Asset Management: Sub-Component 1.1: Reliable and Safe Railway Infrastructure (track rehabilitation, level crossings, railway station “Prokop”, Bogojevo station bypass, measurement stations), Sub-Component 1.2: Technical Documentation for the Phase 2, Sub-Component 1.3: Asset Management
- Component 2: Institutional Strengthening and Project Management: Sub-Component 2.1: Sectoral Governance, Sub-Component 2.2: Human capital, Sub-Component 2.3: Project Management and Citizen Engagement
- Component 3: Railway Modernization Enablers: Sub-Component 3.1: Intelligent Railway Systems (ITS) and Safety Management System (SMS), Sub-Component 3.2: Integrated Territorial Development and Sub-Component 3.3: Modal Shift

Project will be managed by the Ministry of Construction, Transport and Infrastructure (MoCTI) through the Project Implementation Unit (PIU) supplemented by the Project Implementation Teams (PITs) in Railway Directorate (RD) and in railway companies, respectively Serbian Railway Infrastructure (IZS), Serbia Voz (SV) and Serbia Cargo (SC). PITs will act as subordinate implementing agencies and provide technical support for specific Project subcomponents or activities of the MPA that pertain to their area of expertise. Primary responsibility for Project execution lies on PIU which will ensure that the Project development objectives are met.

Ministry of Construction, Transport and Infrastructure (the Client) intends to engage a highly qualified consultant (individual expert) to provide required services more closely described below. The successful candidate will work closely with the Client and other relevant stakeholders, primarily with the Serbian Railway Infrastructure (IZS) to ensure that the investments in railway infrastructure within the Project are managed efficiently

both technically and in compliance with the objectives of the Project Appraisal Document (PAD), the Loan Agreement, Credit Facility Agreement and the Project Operations Manual. The consultant, always aligned with the Head of the PIU and in collaboration with the other PIU staff, shall interact and liaise with a IZS PIT, contractors, consultants, World Bank, AFD, and others relevant for successful completion of the tasks. He/she will closely monitor the implementation of the activities in order to coordinate the inputs from the different actors, ensure excellent technical execution, quickly address design challenges and efficiently react to unexpected developments. The main challenge is to ensure that works, goods and services are satisfactorily completed on time, within budget, aligned with the contractual requirements and in a coherent way across components.

## **General information**

Individual Consultant Title: Civil Engineer with Railway Expertise of the PIU to support railway infrastructure investments in the Republic of Serbia, Serbia Railway Sector Modernization Project. The Consultant shall report to the Head of the PIU, linked to the MoCTI of the Republic of Serbia.

## **Position in organization**

Immediate superior: Head of the Project Implementation Unit

## **Main position objective**

Generally, the Consultant is responsible for technical support to the implementation of the Component 1: “Infrastructure Investments and Asset Management”, respectively Sub-component 1.1. Reliable and Safe Railway Infrastructure and Sub-component 1.2 Technical Documentation. Some minor activities are expected for Sub-component 3.1 Intelligent Railway System (IRS) and Safety Management System (SMS), as well.

Component 1, focuses on improving the quality and safety of railway infrastructure and enhancing rail asset management practices. The quality of the railway network will be improved through targeted renewal interventions and preparation of technical documentation for the investments in next phases of the Program. Railway safety will be improved through track renewal and also through upgrading of railway crossings throughout Serbia.

Sub-Component 1.1 Reliable and Safe Railway Infrastructure will support IZS in carrying out a program of track renewal and safety interventions to restore service performance. The investments will include renewal of critically important lines and tunnels in Belgrade city center, construction of the second stage of the main railway station in Belgrade center, and improvement of about 150 railway level crossings around the country, and establishment of the Level Crossing Safety Improvement Program. In addition, this subcomponent will finance construction of Bogojevo Station Bypass, as well as the installation of four measurement stations to monitor the condition of rolling stock, provide data to predict and prevent future failures, and help to identify maintenance needs proactively. Financing will include supervision of all works. These systems will assist IZS to better manage its network by ensuring that operators comply with operational and safety standards. Respected given, the Consultant will plan, monitor, control and provide technical expert advice on all railway infrastructure related activities in the Project to ensure achievement of Project objectives. The Consultant will be responsible for review

of designs for subsequent phases, conduct on site investigations and analyze data (maps, reports, tests, drawings and other), assess potential risks, materials and costs, provide advice and resolve creatively any emerging problems/deficiencies, monitor progress and compile reports on work execution status. These will be done in close cooperation with the Head of the PIU and the contractors and consultants, as well as the Client, and other agencies (as described in the Project Operation Manual). He/she will closely monitor the implementation of the activities in order to coordinate the inputs from the different actors, ensure excellent technical execution, quickly address design challenges and efficiently react to unexpected developments.

Subcomponent 1.2 Technical documentation; This subcomponent will support preparatory technical work to ensure the readiness of the infrastructure investment pipeline for subsequent phases of the MPA, and, as such, increase the absorption capacity of IZS. Activities to be financed will include, but will not be limited to feasibility studies and/or preliminary designs, detailed designs, environmental management plans and environmental impact assessments, and resettlement plans, if needed. All preparatory work will consider the effects of climate change and assess options for mitigation and adaptation. Works for these investments will be executed in the subsequent phases of the MPA. Responsibilities of the Consultant will include, but won't be limited to, review of designs for subsequent phases, liaise with authorities to ensure that authority approvals are gained in an efficient and timely manner, site inspections for each infrastructure investment to ensure site conditions are considered in the design process, attendance to meetings with local authorities and stakeholders if needed, monitoring and coordination of preparation of design drawings to ensure that they comply with specific standards, laws and client requirements and they are within defined timeframes and budgets, provision of engineering proposals for improvement of railway infrastructure resilience to natural hazards.

Subcomponent 3.1 IRS and SMS; This subcomponent will support (i) the initiation of structured planning of IRSs; (ii) the introduction of SMS in the railway sector; and (iii) development of the General Data Protection Regulation (GDPR) and Cybersecurity rule book. Potential support of the Consultant is expected in reviewing designs for measures that should increase railway infrastructure resilience to natural hazards.

## **Principle responsibilities**

The Civil Engineer with Railway Expertise of the PIU will be responsible for the following duties:

- Coordination, commenting, guiding and overseeing rail engineering design(s) and civil works;
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- Ensuring the safety and legal compliance of all design/construction work;
- Participating in drafting and reviewing the tender documents for supervision consultant;
- Liaise with the PIT, Central Fiduciary Unit (CFU) and Head of the PIU regarding technical inputs needed for preparation of Bidding Documents,

Technical Specifications, Requests for Proposals, Terms of Reference, Monitoring Reports etc.

- Active participation and assistance during the tender preparation, processing, evaluation and selection;
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- Close cooperation with other PIU staff to be selected for support to implementation of the Project, and
- Any other task assigned by the Head of the PIU.

### **Reporting requirements**

The Consultant will provide Monthly Progress Reports, within 5 (five) days after the end of the month for which the report is due. The report should contain at least:

- List of meetings held with brief description of objectives and conclusions;
- The status of progress, problems encountered, corrective actions needed, rationale for actions and
- any further comments relevant for the reporting period.

The Consultant shall prepare ad-hoc reports on any major issues raised during Project implementation, at the Head of the PIU, Client or Bank's request.

### **Knowledge, experience, skills and competencies**

- Advanced degree or minimum 5-year university degree in civil engineering or similar;
- Area of professional expertise: Railway Sector;
- Minimum 10 years of general professional experience;
- Minimum 7 years of professional experience in railway sector;
- Good knowledge and practice of the regulations and technical directives applicable to civil engineering and technical designs for railway projects;
- Experience working with or within the public sector will be an advantage;
- Experience working on IFI or EU projects will be advantage;
- Experience in preparation of tender documentation and other relevant project documentation (e.g. feasibility studies, designs, etc.) will be an advantage;
- Knowledge of local (regional) language will be an advantage;
- Good knowledge of English language;
- Computer skills: AutoCAD, Word, Excel, scheduling tools (e.g.: MS Project or similar)
- Project Management with multiple stakeholders will be an advantage;
- Self-Planning & Organizing, Problem Solving, Communication, Teamwork, Initiative.

## **Length of the assignment**

The Consultant shall provide full time services for the life of the Project, i.e. until December 31, 2026, with a probationary period of six (6) months.

The Consultant should be available to commence no later than one month after the contract signature. The Consultant should be available to provide services for at least 8 hours each day, Monday to Friday, for a minimum period of 40 hours per week. All leave to be allowed to the Consultant is included in the staff months of service. The Consultant will have 30 days of paid vacation leave per year. The leave for national holidays is to be considered paid.

## **Facilities to be provided by the Client**

The Client will be responsible for provision of the following:

- Fully equipped office space, with access to Internet, local telephone line, printing, photocopying and document binding;
- Access to necessary documents; and
- Where the Consultant is required to travel, to site or elsewhere in accordance with the Client's instruction, transportation costs will be borne by the Client.

## **Confidentiality**

The Consultant undertakes to maintain confidentiality on all information that is not in the public domain and shall not be involved in another assignment that represents a conflict of interest to the prevailing assignment.

## **Selection of Consultant**

The Consultant will be selected applying Open competitive method.

The Consultant is eligible and his selection does not create any conflict of interest as provided in the Bank's Procurement Regulations.