

Specific Procurement Notice

Request for Bids Plant

Design, Supply and Installation (Without Prequalification)

Employer: Ministry of Construction, Transport and Infrastructure (MCTI)

Project: Serbia Railway Sector Modernization (SRSM) Project

Contract title: Design, supply and installation of Wayside monitoring measurement stations

Country: Republic of Serbia

Loan No. 9221YF/CFA CRS 1015 02 D

RFB No: SER-SRSM-RFB-PLANT-23-46

Issued on: July 5, 2023

1. The Republic of Serbia (hereinafter called “Borrower”) has received financing from the International Bank for Reconstruction and Development (IBRD) (the “Bank”) and the Agency Francaise de Development (AFD) in the form of a loan (hereinafter called “loan”) toward the cost of the Serbia Railway Sector Modernization (SRSM) Project. The Ministry of Construction, Transport and Infrastructure (MCTI), an implementing agency of the Borrower, intends to apply a portion of the proceeds of this loan to eligible payments under the contract for which this Request for Bids is issued. For this contract, the Borrower shall process the payments using the Direct Payment disbursement method, as defined in the World Bank’s Disbursement Guidelines for Investment Project Financing.
2. The MCTI now invites sealed Bids from eligible Bidders for **Design, supply and installation of Wayside monitoring measurement stations**

Scope of the Works includes design, supply, installation and commissioning of 4 measurement stations located at strategic points in the network to prevent accidents/derailments of rail rolling stock including services related to Trainings and preparation of Operational and Maintenance Manuals (documentation). These systems will assist IZS to better manage its network by ensuring that operators comply with operational and safety standards.

Measuring stations planned for procurement will have a modular design and the ability to connect several types of measuring and diagnostic modules within the same central managing unit (hot box and hot wheel, dynamic scale, gauge (dimensions) measurement, suspended load detection, train/vehicle recognition, interface with train auto-stop device).

Modules for "hot wheel" and "hot box" will include devices that measure the temperature of the axle set, wheel, axles, and brake discs. Devices will recognize when it comes to detecting

overheated wheels due to blocked brakes at the same wheel with the devices will measure, i.e. to monitor the temperature of axle bearings and brakes without contact with the measured elements. Module for the rolling stock detection should use wheel sensors with 2 detection channels that are fully functionally independent and galvanically isolated. Due to compatibility with existing traction vehicles that operate on infrastructure, the solution will be harmonized with the CCS TSI, Index 77 - frequency management with technical parameters of train detection system - Part 2: Axle counters of SRPS EN 50617- 2.

Devices will be integrated in the central managing unit which will be deployed in standard containers for the accommodation of technical devices and systems that can meet the condition of optimal temperature necessary for the operation of electronic measuring devices which will be supplied with the necessary electrical installations of strong and weak current. The software must be installed on the computer for evaluation and data management, and it should perform the functions of evaluation, management and diagnostics of the entire system.

Locations and number of tracks for installation of measurement stations are given in the table below.

Table 1. List of locations for installation of measurement stations

#	Railway line	Station	Chainage of entry and distant signal	Number of tracks	Note
1	Beograd Centar – Stara Pazova – Šid – državna granica – (Tovarnik);	Šid	ES Qu-91: 117+384 DS PQu-91: 118+360	2	The Employer proposes to deploy measuring stations between the distant signal and the input signal, closer to the distant signal. The designer hired by the Bidder has the task of determining the exact location of deployment.
2	Beograd Centar – Mladenovac – Lapovo – Niš – Preševo – državna granica – (Tabanovce)	Preševo	ES Vu-91: 393+120 DS P Vu-91: 394+398	1	
3	Niš – Dimitrovgrad – državna granica – (Dragoman)	Dimitrovgrad	ES Mu-91: 98+499 DS PMu-91: 99+499	1	
4	Subotica – Horgoš – državna granica – (Röske)	Horgoš	ES: 156+588 DS: 157+235	1	

The expected services by Contractor:

- (i) Development of necessary technical documentations in accordance with Serbian legislation,
- (ii) Obtain necessary approvals,
- (iii) Perform all works on supply, installation, testing and commissioning of measurement stations per developed design(s);
- (iv) Provide services related to Trainings and preparation of Operational and Maintenance Manuals/documentation;

- (v) Carry out maintenance during warranty period.

During the whole process the Contractor will work together with Company for site supervision of works and technical design review of Preliminary design.

The intended commencement is April 2023, but the actual commencement date will be defined with the signature of the Contract. The duration of the contract is 9 months, from the commencement.

3. Bidding will be conducted through international competitive procurement using a Request for Bids (RFB) as specified in the World Bank's "Procurement Regulations for IPF Borrowers" dated July 2016, revised November 2017, August 2018 and November 2020 ("Procurement Regulations"), and is open to all eligible Bidders as defined in the Procurement Regulations.
4. Interested eligible Bidders may obtain further information from Central Fiduciary Unit of the Ministry of Finance and inspect the bidding documents from 09:00 to 15:00 hours at the address given below.
5. The bidding document in English only may be purchased by interested eligible Bidders upon the submission of a written application to the address below and upon payment of a nonrefundable fee of **EUR 50.00** or equivalent in Serbian Dinars (RSD) based on the selling exchange rate published by the National Bank of Serbia on the date of payment.

Domestic Bidders shall make payment to the Government Treasury Account no.:

840-745128843-36- Other budget revenues of the Republic, with reference to the model approval number 97 41601, with obligatory Purpose of payment: SER-SRSM-RFB-PLANT-23-46, payment code 253.

Foreign bidders shall make payment according to the following payment instructions:

FIELD 32A: VALUE DATE-EUR-AMOUNT

FIELD 50K: ORDERING CUSTOMER

FIELD 56A: DEUTDEFFXXX

(INTERMEDIARY) DEUTSCHE BANK AG., F/M

TAUNUSANLAGE 12

GERMANY

FIELD 57A:

(ACC.WITH BANK) NBSRRSBGXXX

NARODNA BANKA SRBIJE (NATIONAL BANK OF SERBIA-NBS)

BEOGRAD, NEMANJINA 17

SERBIA

FIELD 59: /RS3584000000000273086

(BENEFICIARY) REPUBLIC OF SERBIA-BUDGET

KRALJA MILANA BR.14

BEOGRAD

SERBIA

FIELD 70: DETAILS OF PAYMENT Ref: SER-SRSM-RFB-PLANT-23-46

Transfer costs are on bidder's account.

The document will be sent by e-mail.

6. Bids must be delivered to the address below on or before **September 8, 2023, 12:00 Noon, local time**. Electronic Bidding **will not** be permitted. Late Bids will be rejected. Bids will be publicly opened in the presence of the Bidders' designated representatives and anyone who chooses to attend at the address below on **September 8, 2023, 12:15 p.m. local time** in the premises of the CFU.
7. All Bids must be accompanied by a **Bid Securing Declaration** in the form and in compliance with the conditions indicated in the Bidding Documents.
8. Attention is drawn to the Procurement Regulations requiring the Borrower to disclose information on the successful bidder's beneficial ownership, as part of the Contract Award Notice, using the Beneficial Ownership Disclosure Form as included in the bidding document.
9. The address(es) referred to above are:

Office for inquiry and issuance of the bidding document:

Central Fiduciary Unit, Ministry of Finance
Attn: Zorica Petrović, Procurement Specialist
3-5 Sremska St, 7th floor, Room 708
Tel: +381 11 765 2587
11000 Belgrade
To: zorica.petrovic@mfin.gov.rs
Cc: ljiljana.dzuver@mfin.gov.rs
Cc: larisa.puzovic@mgsi.gov.rs

The Bid submission address is:

Central Fiduciary Unit, Ministry of Finance
3-5 Sremska St, 7th floor, Room 708
11000 Belgrade
Republic of Serbia