

## **Request for Expression of Interest**

### **CAREC Corridor 1 and 3 Connector Road Project**

The Government of the Kyrgyz Republic has applied for a loan from the Asian Development Bank (ADB) and intends to apply part of the proceeds of this loan under CAREC Corridor 1 and 3 Connector Road Project, for the consulting services for **DATA COLLECTION AND ESTABLISHING A ROAD ASSET MANAGEMENT SYSTEM**

on a component-by-component basis supported by strong institutional development, training and data collection. The initial road network to be included will include CAREC road network in the Kyrgyz Republic. The previous efforts and data of pavement, bridges and tunnels management systems will be incorporated already from the early stage. The aim is to demonstrate the benefits of the system with smaller scale pilot.

RAMS consultant is expected to be recruited by September 2017 and RAMS designed and applied by MOTR in planning of key road network by June 2020.

The Ministry of Transport and Roads (MOTR) of the Kyrgyz Republic, which is the executing agency for the project, requires the services of an experienced consulting firm (Consultant) to serve as an Engineer and undertake following responsibilities:

- (i) The comprehensive review of the data collection procedures, data management and usage of data as developed during the previous efforts conducted through World Bank's and JICA's assistance.
- (ii) Agree and prepare the detailed list of the roads (survey network) to be included into the data collection in co-operation with the MOTR.
- (iii) The one off Road Location Survey of the survey network, including the collection of the road, bridge and structure inventory and furniture data, road geometry, GPS and video data. The establishment of the location referencing system.
- (iv) The annual collection of pavement condition data on the survey network, including the collection of roughness, rutting, geometry, GPS, pavement distress, video data, traffic data, bridge data, and tunnel data for two years.
- (v) All associated equipment validation, data processing, compliance monitoring and reporting.
- (vi) Developing a centralized relational Road Data Base (RDB) to include all relevant information on survey network for maintenance planning in one location stored in a logical manner. The RDB must be scalable for future enhancements.

- (vii) Purchasing, installing and calibrating HDM-41 software as a budgeting and planning tool for the MOTR. RDB shall be used as a primary input source for the HDM-4 and special attention shall be paid to developing the interface between RDB and HDM-4.
- (viii) Establishing a Geographic Information System (GIS) to analyze and display the RAMS information.
- (ix) Training of the MOTR staff, including top management and other relevant counterparts to manage the RAMS including e.g. data collection, maintenance planning, quality assurance and data visualization after the consultancy assignment.
- (x) Providing remote support for RAMS with some visits to Kyrgyzstan after the initial establishment effort.

MOTR now invites eligible consultants to indicate their interest in providing these services.

Interested consultants must provide information indicating that they are qualified to perform the services through ADB website at: [https://uxdmz06.adb.org/OA\\_HTML/OA.jsp?OAFunc=XXCRS\\_CSRN\\_HOME\\_PAGE](https://uxdmz06.adb.org/OA_HTML/OA.jsp?OAFunc=XXCRS_CSRN_HOME_PAGE) or in hard copy directly to the address provided below.

Consultants may form associations to enhance their qualifications.

Consultants will be selected based on Quality and Cost Based Selection (QCBS) method in accordance with the *ADB's Guidelines on the Use of Consultants (March 2013)* according to the full technical proposals prepared according to the request for proposals. The services are expected to start not later than September 2017.

Interested consulting firms from ADB's member countries may obtain further information at the address below from 9-30 to 17-30 hours (Bishkek time).

Expression of Interest must be delivered to the address below not later than 11 April 2017.

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<sup>1</sup> Highway Development and Management Tool.