



UREĐENA ZEMLJA
Nacionalni program sređivanja
zemljišnih knjiga i katastra

Based on the Loan Agreement for the Integrated Land Administration System Project, IBRD no. 8086-HR, the Project Implementation Unit hereby announces:

**REQUEST FOR EXPRESSIONS OF INTEREST
(CONSULTING SERVICES – FIRMS SELECTION)**

**CONSULTING SERVICES FOR THE PRODUCTION AND ESTABLISHMENT OF THE
CARTOGRAPHIC DATABASE FOR THE SCALE OF 1:100,000 AND PRODUCTION OF THE
TM100 PRODUCT SPECIFICATIONS**

Reference No. SGA/ILAS-B4-2b/CQ/15/88

1. The Republic of Croatia has received financing from the World Bank toward the cost of the Integrated Land Administration System Project, and intends to apply part of the proceeds for consulting services.

The territory of the Republic of Croatia is fully covered by topographic maps in the scale of 1:25,000 (TM25) in analogue and digital (raster and vector) form as well as topographic data contained in the BTM (established on the basis of the CROTIS data model) for the entire territory of RoC. Based on the BTM data, the production of topographic and cartographic databases and maps in the scale of 1:50,000 and 1:250,000 has been initiated for the needs of the Ministry of Defence.

This data is the basis for establishing the databases and datasets in the scale of 1:100,000.

The objective of the consulting services (“the Services”) is to:

- a. Establish a cartographic database (CD) for the scale of 1:100,000 (CD100) and develop a corresponding specification containing the definition of the data model (written in UML). In order to manage the CDs, it is necessary to establish a cartographic information system (CIS). The CIS establishment involves the production of a system for efficiently maintaining and presenting cartographic data, and a system for the production of TM100 products.
- b. Establish GIS web services (WMS and WFS) enabling the display of the data from the cartographic database (CD100) and topographic maps (TM100).
- c. Develop the TM100 product specification and carry out the implementation of the TM100 specification by producing three sheets of the topographic map in the scale of 1:100,000 from the CD100 data. The TM100 map sheet should be produced in accordance with the new sheet division and in the new HTRS96/TM cartographic projection. The area coverage will be defined in the course of procurement procedure, in the invitation to submit the financial and technical parts of the bid.
- d. Define the elements and quality procedure for: established cartographic database and TM100. Integrate control mechanisms into the CIS.

The Consultant is planned to be engaged in the period of six months from the date of signature of the Contract.

Further information regarding the Terms of Reference are available at the website www.uredjenazemlja.hr (<http://www.uredjenazemlja.hr/default.aspx?id=21>).

2. On behalf of the State Geodetic Administration, the Project Implementation Unit 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.
3. The shortlisting criteria are:

The Consultant shall be a firm or association of consultants in the form of a joint venture or sub consultancy with following qualifications:

- [1] Approval of the State Geodetic Administration for the performance of expert geodetic works (activities) in accordance with Article 9, paras. 2.5 and 2.6 of the Law on the Performance of Geodetic Activities (OG 152/2008, 61/2011 and 56/2013).
- [2] The delegated person from the Contractor, responsible for performing the operations related to State survey and real property cadastre, shall be a licensed geodetic engineer.
- [3] The Bidder shall meet at least the following criteria:
 - familiarity with the topographic survey procedures for the needs of the State cartography along with the standardization of the data model development in the Republic of Croatia
 - practical experience in processing topologically the planimetric data and altitude view data of the photogrammetric mapping.
 - practical experience in producing State maps
 - practical experience in producing geographical information systems based on cartographic data.

In order to prove the above-mentioned, the Bidder shall enclose client references confirming successfully completed projects on the:

1. Production of the topographic information system
 - For at least one completed project
2. Production of the cartographic data model
 - For at least one completed project
3. Topological processing
 - Proof that the Bidder has participated in processing topologically the planimetric data and altitude view data of the photogrammetric mapping or rather in processing topologically data of similar nature (renewal of geodetic survey data content in order to store the data in the spatial database etc.) in at least one completed project
4. Production and design topographic maps
 - For at least one completed project

5. Production of the geographical information system

- At least one completed GIS project based on cartographic data

[4] Proof that the Bidder's key personnel shall include the experts who will be available throughout the project, as follows:

1. Experts for cartography and topographic information systems – 2 experts
 - Graduate geodetic engineer, Ph.D. in technical sciences is advantage
 - At least 10 years of experience in the field of cartography and topographic information systems in the Republic of Croatia
 - Experience in organising, leading and managing a team, reporting on the contract activities (no less than 3 contracts) carried out according to international standards (submit proof on the required experience)
2. Specialists for IT systems and GIS – 2 specialists
 - Graduate geodetic engineer / geo-information specialist and specialist in a related profession
 - At least 5 years of experience in working with IT systems in the field of spatial information in the Republic of Croatia
 - Participating in the implementation of at least 3 contracts carried out according to international standards (submit proof of participation)

Further information regarding the qualification criteria are available at the website www.uredjenazemlja.hr (<http://www.uredjenazemlja.hr/default.aspx?id=21>).

The Consultant may submit CVs of proposed experts, for information only.

It is expected that the Consultant submits information on their organizational capacity in their Expression of Interest.

The credibility of mentioned experience shall be presented in a list of project references with description of services provided (including information on contract value, contracting entity/client, project location/country, duration, assignment budget, percentage carried out by consultant in case of association of firms or subcontracting and main activities).

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 and IDA Credits & Grants] by World Bank Borrowers* (published in January 2011) ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.

4. Consultants may associate with other firms in the form of a joint venture or a subconsultancy to enhance their qualifications. The "association" may take the form of a Joint Venture or a sub consultancy. In case of a Joint Venture (JV), all members of the JV will be evaluated jointly for the purpose of short listing and shall be jointly and severally liable for the assignment and shall sign the contract in case of award is made to that JV group. Interested consultants should clearly indicate the structure of their "association" and the duties of the partners and sub consultants in their application. Unclear expression of interests in terms of "in association with" and/or "in affiliation with" and etc. may not be considered for short listing. Keeping one expression of interest per firm as principle, a consultant firm may decide whether it wishes to participate as a sub consultant or as a sole consultant or as a partner in a joint venture. Please note that a firm shall submit only one expression of interests in the same selection process either individually as a consultant or as a partner in a joint venture. No firm can be a sub consultant while submitting an expression of interests individually or as a partner of a joint venture in the same selection process. A

firm, if acting in the capacity of sub consultant in any consultant or JV, may participate in more than one consultant, but only in the capacity of a sub consultant.

5. A Consultant will be selected in accordance with the Consultants' Qualification method (CQS) set out in the Consultant Guidelines.
6. Further information can be obtained at the address below during office hours 09:00 to 16:00 hours.
7. Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by fax, or by e-mail) by **May 8, 2015**.

Contact details:

Integrated Land Administration System Project
Attn. Ms. Biljana Lerman, Procurement Specialist
Gruška 20, room 116, 10000 Zagreb, Croatia
Tel. +385 1 4886 222, 4886 228
Fax: +385 1 4886 223
E-mail: tender@zikprojekt.hr
Web site: www.uredjenazemlja.hr