PROJECT IMPLEMENTATION UNIT (PIU)
PUNJAB URBAN LAND SYSTEMS
ENHANCEMENT (PULSE)
Punjab Land Records Authority (PLRA)
Government of the Punjab
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TERMS OF REFERENCE

PUNJAB URBAN LAND SYSTEM ENHANCEMENT (PULSE)

ISLAMIC REPUBLIC OF PAKISTAN
PUNJAB PROVINCE

HIRING OF AN INDIVIDUAL CONSULTANT AS

MIS / IT Specialist

JULY 2023

Terms for Reference for MIS / IT Specialist

1. BACKGROUD INFORMATION

Board of Revenue, Punjab with the technical & financial support of World Bank is preparing Punjab Urban Land System Enhancement (PULSE) project for the establishment of a unified central database of all types of urban properties (societies / authorities / development agencies), rights and charges. The proposed system will not merely a GIS & Parcel based one but has all possible functionalities to serve as a robust platform for creation of 'Spatial Data Infrastructure' (SDI), an inevitable need of the future. The project will provide a complete and transparent record of title in land and immovable property. Digitization of remaining parts of rural land, digitization of katchi abadi record, automation of sub-registrar record rooms is also part of the project.

1.1. Beneficiary Country and Province:
Islamic Republic of Pakistan and Punjab Province.

1.2. Contracting Authority:
Under the Punjab Urban Land System Enhancement (PULSE) Project and in agreement with the World Bank, the Project Implementation Unit (PIU), Punjab Land Records Authority (PLRA), Government of Punjab is the contracting authority.

2. OBEJECTIVE

One of the core objectives of the PIU is to provide the analytical services and value-added information and solutions to Punjab Land Records Authority (PLRA) in Punjab and other users such as World Bank, donor organizations etc. in a manner that broadens and strengthens the digitization of land record on PLRA and maximizes the effectiveness of the Punjab Urban Land System Enhancement (PULSE).

The MIS / IT Specialist will provide support to the wider PIU-PLRA, PULSE team in the development of Software Applications that is part of the vision of Punjab Land Records Authority (PLRA).

3. SCOPE OF SERVICES

i. Lead the software development team in the design, development, and maintenance of software applications.
ii. Ensure that the team follows best practices in software development, including coding standards, code reviews, and testing methodologies.
iii. Collaborate with other teams, including product management and quality assurance, to ensure that software applications are delivered on time and meet the needs of stakeholders.
iv. Provide technical guidance and mentorship to team members to ensure that they have the skills and knowledge needed to deliver high-quality software.
v. Manage the project schedule and monitor progress to ensure that the team meets project milestones and deadlines.
vi. Communicate with stakeholders, including senior management and clients, to keep them informed about the progress of the project.

vii. The Consultant will be responsible to perform any other tasks assigned and entrusted by the PC-PIU.
viii. High-quality, well-documented, and maintainable code.
ix. Detailed documentation of software design, architecture, and implementation.
x. Regular progress updates and status reports.

4. DELIVERABLES

The Consultant will submit monthly reports about the Terms of Reference (TOR).

5. QUALIFICATION AND EXPERIENCE

We are seeking enthusiastic and motivated individuals, to work with us on this dynamic and engaging project, who fulfill the following criteria:

i. Minimum 16 years of education in GIS / Computer Science / IT or equivalent education from HEC recognized University / Institute.
ii. At least ten (10) years of post-qualification experience, design and management spatial database, management systems and spatial feature representatives with at least 3-years' experience in similar capacity.
iii. Proficiency in one or more modern programming languages, such as .Net Core, MVC, React/Angular, Node, C#, MS SQL Server, jQuery, etc.
iv. Experience with GIS based applications will be considered as plus.
v. Knowledge of cloud-based technology and services, such as AWS, GCP, or Azure.
vi. Knowledge of microservices architecture and containerization technologies, such as Docker.
vii. Preferable experience with software development tools such as Git, JIRA, and Agile/Scrum software development methodologies.

6. TYPE OF CONTRACT

Time-Based Contract.

7. ESTIMATED DURATION OF CONTRACT

The duration of the contract is for a period of one (01) year (extendable).

8. SELECTION METHOD

The selection will be made in accordance with the Open Competitive Selection of Individual Consultants of World Bank Procurement Regulations for IPF Borrowers", dated November 2020. The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" dated July 2016 revised November 2017 and August 2018 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.

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