



**PROJECT IMPLEMENTATION UNIT (PIU)  
PUNJAB URBAN LAND SYSTEM  
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**

**DATA CENTER, DATA MIGRATION  
AND SYSTEM MANAGEMENT SPECIALIST**

**FEBRUARY 2023**

# **Terms for Reference for Data Center, Data Migration and System Management 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).

This position is created as part of the Data Center that is to be developed by PIU-PULSE, PLRA, GoPb. The Consultant will provide support to the wider PIU team in the development of Data Center that is part of the vision of Punjab Land Records Authority (PLRA). The core responsibility of this consultant would be to assist in the process of initiation of the data center, mapping and documentation of existing systems.

## **3. SCOPE OF WORK**

- i. The Consultant will prepare a list of software applications, their hardware requirements and specifications, software requirements and licensing requirements
- ii. The Consultant will study the software applications, software architecture and identify the future needs in terms of software and hardware.
- iii. The consultant will conduct technical, financial and project planning of the proposed ICT Infrastructure.
- iv. The Consultant will design the data center requirements for the applications according to their future needs
- v. The Consultant will provide a road map for data center, software’s and solutions.
- vi. The Consultant will provide TORs of the RFPs for the Establishment and Procurement of the proposed Data Center, software and hardware.

- vii. The Consultant will provide BOQ's Technical Evaluation Criteria, Financial Criteria for the finalization of the vendor/s or firm/s for establishment of Data Center, software and hardware.
- viii. The Consultant will provide complete Human Resources requirements to run the data center and system application.
- ix. The Consultant will provide complete hardware and connectivity requirements / bandwidth requirements for smooth data center operations / ICT operations.
- x. The Consultant will provide help in establishing Disaster Site for Data Center
- xi. The Consultant will provide Technical Support and supervise ICT team in developing strategies, policies and plans concerning department's digitization initiatives
- xii. The Consultant will coordinate with stakeholders and attached departments on matters concerning IT Management and Solutions
- xiii. The Consultant will be responsible to perform any other tasks assigned and entrusted by the PC-PIU.

#### **4. DELIVERABLES**

- i. Software requirements, hardware requirements and licensing requirements of all and any new application or platform developed by the PIU.
- ii. Document with data center requirements for current and future android applications
- iii. TORs of the RFPs of establishment and procurement related to the data center and ICT equipment.
- iv. Document with HR requirements and their TORs for the data center.
- v. Review/Comments of the Strategy documents related to the digitization initiative of the PIU.
- vi. Any other deliverable based on the task assigned to the consultant by the Competent Authority.
- vii. Provide input on the technical committee meetings

#### **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. MPhil/MS Computer Science or Information Technology (IT) with 12 years relevant experience.
- ii. Experience in the establishment of Data Centers, Infrastructure, Network & system Administration, Procurement of IT equipment.
- iii. Must have international Data Center design training, CCIE (Data Center) certified (written or LAB).
- iv. Must have Analytical and Problem-Solving Skills.
- v. Experience in the Public Sector and Donor Funded Projects is preferred.
- vi. Good English Verbal & Written Communication Skills
- vii. Knowledge of local language and familiarity with project area is essential
- viii. Team player with excellent presentation and reporting skills.

**6. TYPE OF CONTRACT**

Time-Base Contract.

**7. ESTIMATED DURATION OF CONTRACT**

The duration of the contract is of two (02) years.

**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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