



Strengthening Social Protection Delivery System Sindh (SSPDSS)  
**SINDH SOCIAL PROTECTION AUTHORITY**  
**SOCIAL PROTECTION DEPARTMENT**  
**GOVERNMENT OF SINDH**

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## **Terms of Reference (ToRs)**

### **Sr. Specialist Integrated Information System**

#### **Background**

Government of Sindh (GoS), through the Sindh Social Protection Authority (SPA), is implementing the “**Strengthening Social Protection Delivery (SSPD) System in Sindh**” project with the assistance of the World Bank to strengthen social protection service delivery system and enhance accessibility and utilization of mother and child health services in selected districts in Sindh.

The project will support three components, financed through an Investment Project Financing (IPF) instrument, with US\$200 million from the International Development Association (IDA) and US\$30 million from counterpart funding. The Project components are: (a) Strengthen Sindh Social Protection Service Delivery Systems to support the modernization of systems and processes to fully operationalize the newly established Sindh SP Authority and improve its institutional capacity by strengthening the administrative, operational, policy, and planning functions and capabilities, including the development of energy efficient/climate-smart information technology (IT) systems and capacity building through the provision of technical assistance; (b) Mother and Child Support Program (MCSP) focusing on birth and first 1,000 days where risks and needs are high but programmatic responses are weak; the main objective of this component is to create demand for Maternal and Newborn Child-Health (MNCH) services and promote behavioural change to increase uptake of the MNCH services focusing on the first 1,000 days of life through the provision of CCTs in selected districts; and (c) Contingent Emergency Response with zero allocation, providing the Borrower to gain quick access to Bank financing to respond to a crisis or emergency. As part of a comprehensive disaster risk management strategy, the Contingent Emergence Response Component typically provides support for immediate rehabilitation and reconstruction needs.

#### **Objectives of the Assignment**

In order to achieve the objectives of the project, SPA, being the lead implementing agency for SSPD, is in the process of putting in place the required technical staff under the Project Directorate based in SPA’s Headquarters at Karachi. To that end, SPA requires services of a “**Sr. Specialist Integrated Information System**” to perform the below mentioned roles and responsibilities. The position will report to the CEO of the Sindh SPA.

#### **Scope of Functions**

- a. Get well acquainted with all the strategic documents for the project, including Project Appraisal Document (PAD), Project PC-I, Project Operations Manual (POM), Project

- Procurement Strategy Document (PPSD) and the Environmental and Social documents, as well as with documents related to any other initiatives undertaken by the Sindh SPA, for better understanding of various project designs, respective implementation mechanisms and associated information system related requirements.
- b. Lead all aspects of the development lifecycle of Information Services, Technology and Data Communications for Sindh SPA, from assessment, design, development, deployment and on-going enhancement, including hardware/software acquisition, software development partnerships, data management and strategic organization planning.
  - c. Lead the discussion about the design and development of an Integrated Information System and ensure that a maximally robust architecture is developed.
  - d. Lead the development of IT and data related procedures, policies and standards.
  - e. Lead the assessment of data architecture needs and specifications for the establishment of data centre.
  - f. Identify and review the legal framework for individual's right to privacy and develop mechanism to ensure the acquired data is not manipulated, damaged or illegally accessed by anyone.
  - g. Oversee the assessment of the hardware and software required to establish a state-of-the-art data center, with complete specifications, in collaboration with MIS team and IT partners.
  - h. Contribute towards and supervise the development of comprehensive document that includes all the details required for IMIS and provide oversight to the IMIS development firm/consultant in collaboration with the MIS team.
  - i. Provide technical inputs for application hosting and data storage, including co-location services.
  - j. Contribute to evaluating the most feasible location for data center and deploying the application and data center accordingly.
  - k. Oversee the design and development of ToRs for procurement of consultancy services for hardware/software accumulation.
  - l. Participate in the technical evaluation of bids, including pre-bid and negotiations meetings for various procurement activities, as and when required.
  - m. Oversee the process of product (Hardware and software) and vendor evaluations ensuring best in class technologies consistent with the project need and partners.
  - n. Provide technical, problem-solving leadership and participation for multifaceted infrastructure implementation, system upgrades and operational troubleshooting.
  - o. Provide ongoing evaluations of technology solutions and capabilities to ensure technical inputs in the development of a technology road/workplan for "Strengthening Social Protection Delivery System in Sindh" project for safe implementation of the project, that is aligned with the provincial social protection strategy.
  - p. Design, implement and maintain VMware, vSphere & V-Cloud infrastructure.
  - q. Establish relationship with the clients, partners and government databases (especially NSER and NADRA).
  - r. Identify areas of risk, monitor the current environment, and look for potential improvement areas. Communicate technological changes with appropriate governance.
  - s. Work with the rest of the MIS team to ensure end to end architectural, functional and protocol consistency.

- t. Lead the project team in IT related consultations, seminars and stakeholder mapping etc. and liaison with relevant government departments and donors.
- u. Regularly undertake field visits for smooth and uninterrupted functionality of the information systems.
- v. Perform any other task required for the successful implementation of the SSPD, as assigned by the competent authority.

### **Qualifications**

- 16 years of education in Computer Science or any related discipline from a reputed HEC-recognized university.

### **Experience**

- At least ten (10) years of software design (preferably commercial), development and deployment experience in large-scale service architectures with IT applications. Out of which at least 5 years should be on a senior level position for managing IT projects.
- Substantial experience of IT Infrastructure Design, development and deployment.
- Must be well aware of the latest IT platforms and software development technologies.

### **Skills**

- Good understanding of management practices and techniques.
- Excellent written and verbal communications

### **Duration**

The consultant shall be engaged for a period of 03 years contract initially and will be renewable on need and satisfactory performances basis.

### **Selection Process**

The selection will be made in accordance with the “World Bank Procurement Regulations for Investment Project Financing Goods, Works, Non-Consulting and Consulting Services” November 2020.