

**SINDH INTEGRATED HEALTH AND POPULATION PROJECT (SIHPP)**  
**HEALTH DEPARTMENT, GOVERNMENT OF SINDH**

**TERMS OF REFERENCES**  
**FOR THE POSITION OF IT OFFICER (PPS-09)**

**Background:**

The project envisages universal health coverage (UHC) through enhanced access to integrated reproductive, maternal, neonatal, child, adolescents, health, nutrition (RMNCAH+N) and family planning services. It is based on continuum of care approach and aims at women empowerment including women economic empowerment through skill development and micro-financing managed by a third party.

To achieve the objective of the program, following core components are taken to execute

- Component -1: Ensuring and improving RMNCAH & Nutrition (RMNCAH+N), Secondary Healthcare, FP Services Utilization and Public Health Emergencies Response.
- Component -2: Strengthen demand for and utilization of RMNCAH+N and FP Services and Women Empowerment.
- Component -3: Project Management, Monitoring and Evaluation

The project objective emphasizes to ensure the provision of minimum service delivery of Primary Healthcare, to minimize the health burden and availability of 24/7 BemONC services for the vulnerable and poor communities of Sindh. Furthermore, the Program has primary healthcare services with integrated approach for the provision of Reproductive Maternal, Neonatal, Child, Adolescent and Nutrition (RMNCAH&N) services with the focus on Family Planning and Immunization.

**Program Development Objective(s) (PDO):**

To improve the utilization and quality of RMNCAH+N services for the poor and vulnerable population, especially adolescents and women, in targeted areas of Sindh. The program will sustainably improve and build the health and economic resilience of communities in the project locations by adopting an integrated approach to address the socioeconomic determinants, effects of natural disasters, and pandemics that impact vulnerable populations, especially poor women.

**Duties and responsibilities:**

The IT Officer will be responsible for designing, developing, and maintaining Electronic Medical Record (EMR) system under the Program. It includes database-driven applications for the project. The position requires proficiency in both frontend and backend development and familiarity with modern technologies and platforms.

**Qualifications and Experience:**

- Possess Bachelor's degree in Computer Science, Software Engineering, or a related field.
- At least 3 years of professional experience as a Developer.
- Experience with the MERN stack is highly preferred.

- Proficiency in front-end and back-end technologies: JavaScript, HTML/CSS, Node.js, React, Angular, Python, Ruby on Rails, etc.
- Strong experience with relational and non-relational databases such as MySQL, PostgreSQL, and MongoDB.
- Familiarity with cloud platforms like AWS, Azure, or Google Cloud.
- Experience using Git for version control.
- Basic understanding of GIS systems.
- Knowledge of Agile methodologies (Scrum, Kanban, etc.).
- Excellent problem-solving and debugging skills.

**Key Responsibilities:**

- Contribute in Design and develop modern, scalable web-based/ Desktop applications.
- Ensure database reliability, performance, and security on local/ Cloud server.
- Collaborate with UI/UX designers and other developers.
- Implement and follow Agile development practices.
- Integrate applications with cloud platforms.
- Provide documentation and training where necessary.
- Troubleshoot and debug technical issues in a timely manner.

**Selection process:**

The subject Individual will be hired following Individual Consultant Selection method with Open-market approach, as stipulated in the World Bank Procurement regulations for IPF borrowers “Procurement Regulations” revised February 2025.