

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

**TERMS OF REFERENCES**  
**FOR THE POSITION OF DATA PROCESSING 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 DPO will design test plans, make data portals, detect bugs, and collaborate with developers to ensure a smooth, error-free user experience. He will also work on designing relevant tools and processes.

**Qualifications and Experience:**

- Bachelor's degree in Computer Science, Data Science, Statistics, or a related field.
- Minimum 3 years of experience in QA engineering and/or data engineering.
- Proficiency in automation testing tools and frameworks.
- Strong understanding of QA methodologies, tools, and processes.
- Experience with data visualization tools: Power BI, Tableau, Google Data Studio.
- Proficient in scripting languages such as Java, JavaScript, Python.
- Knowledge of statistical analysis and predictive modeling techniques.
- Prior experience working with healthcare data is a plus.

**Key Responsibilities:**

- Develop and maintain automated QA tests.
- Ensure data integrity, accuracy, and consistency.
- Perform exploratory data analysis and reporting.
- Create dashboards and visualizations for monitoring and decision support.
- Write and optimize data queries and scripts.
- Support machine learning model development, where applicable.
- Document testing procedures and data workflows.
- Coordinate with developers and analysts to resolve data-related issues.

**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.