



The Institute of Human Virology (IHVN) is a leading and reputable non-governmental organization addressing infectious and non-infectious diseases such as HIV, tuberculosis, and cancer through prevention, diagnosis, treatment, capacity building, research, care, and support services. IHVN is in partnership with local and international organizations and the different tiers of the government of Nigeria at the national, state, and local levels. The Institute aims to provide quality health services, capacity building, and research in West Africa and beyond.

We therefore:

## **Request for Proposals: SORMAS Optimization and Development**

### **Background**

The Surveillance, Outbreak Response Management, and Analysis System (SORMAS) is a collaborative initiative designed to strengthen disease surveillance, outbreak detection, and management, thereby fortifying public health infrastructure. Optimizing SORMAS is essential for enhancing disease monitoring, ensuring data quality, and improving public health response nationwide. To achieve this, IHVN through NCDC and its partners aim to advance the functionality of SORMAS in Nigeria. They are seeking qualified individuals or organizations to optimize and upgrade the platform to address key challenges, enhance usability, and ensure scalability to meet the country's evolving public health needs.

**Opening Date: 5<sup>th</sup> December, 2024**

**Closing Date: 18<sup>th</sup> December, 2024**

### **Scope of Work**

Objective: The consultant or company will collaborate with NCDC, IHVN, and other stakeholders to refine the SORMAS platform, focusing on system optimization, data integration, and user-centric enhancements.

### **Key Responsibilities**

#### **Work Stream A: System Evaluation and Optimization**

- **Comprehensive Assessment:**  
Evaluate current SORMAS platform operations to identify inefficiencies and recommend improvements.
- If the evaluation determines the system is no longer fit for purpose, propose a design for a new system to meet current and future needs.
- Ensure that any newly designed system can seamlessly integrate with SORMAS 2.0 when it becomes available.
- **Design Refinement:** Redesign Case Investigation Forms (CIFs) for better data collection and usability.
- **Comparative Analysis:** Benchmark Nigerian SORMAS against international implementations to adopt best practices.



## Work Stream B: Technical Development and Integration

- **Data Mapping:** Streamline and enhance laboratory data mapping processes.
- **Front-End Transition:** Oversee migration to React.js, ensuring continuity and effective onboarding of technical staff.
- **Back-End Optimization:** Address system bottlenecks through efficient code development and module enhancements.
- **Data Exchange:** Develop protocols to integrate SORMAS with DAVT and other systems such as DHIS2, LMIS, and AVADAR.

## Work Stream C: User Experience and Capacity Building

- **UI/UX Enhancements:** Apply human-centered design principles to improve the interface and ensure a user-friendly experience.
- **Training and Documentation:** Provide capacity-building workshops for a pool of staff and maintain updated user manuals and technical guides.

## Required Competencies

### Technical Expertise

- Proficiency in web development (HTML5, CSS3, JavaScript, React.js, Spring Boot).
- Experience with databases (MySQL, PostgreSQL) and API development (RESTful APIs).
- Familiarity with DevOps tools (CI/CD, Docker, Kubernetes).
- Knowledge of cloud platforms (AWS, Azure, GCP).
- Familiarity with agile methodologies and best practices in UX/UI design.

### Public Health Informatics

- Experience with health information systems such as SORMAS, DHIS2, or similar platforms.
- Strong understanding of data privacy and security (e.g., HIPAA compliance).

### Eligibility

Applications are open to: **Individuals:** Independent consultants with relevant qualifications and experience.

**Organizations:** Companies specializing in health information system development or related fields.

Applicants must specify whether they are applying as an individual or on behalf of an organization.

### Required Qualifications

Master's degree in public health, Health Informatics, Computer Science, or a related field. For Individuals:

Minimum of 7 years of experience in relevant domains with proven records in health informatics projects.

For Organizations: Demonstrable organizational capacity and a team with complementary expertise

### Deliverables

- Optimized and scalable SORMAS system with enhanced functionality.
- High-quality technical documentation and user guides.
- Periodic reports outlining progress, challenges, and recommendations.



## Proposal Submission

Interested parties must submit:

1. A detailed technical proposal outlining their approach.
2. A financial proposal including a breakdown of costs.
3. Evidence of qualifications:
  - For Individuals: Curriculum Vitae (CV) and a portfolio of similar work.
  - For Organizations: Company profile, team structure, and project portfolio.

## Engagement Terms

- Duration: One year, renewable based on performance.
- Location: NCDC Headquarters (Hybrid).
- Reporting: Regular updates to SORMAS Unit, IHVN and NCDC leadership.

Note: Applications are welcome for specific work streams or the complete scope.

## **Safeguarding (PSEAH):**

As an organization, IHVN takes the issue of Protection against Sexual Exploitation, Abuse and Harassment (PSEAH) seriously, because safeguarding the people we interface with in all our programmatic work is of the utmost importance to us.

IHVN engages only consultants and organizations who are suited and comply to the strict responsibility of PSEAH. By responding to the request for proposal, you agree to IHVN carrying out a background check on you/your organization with respect to SEAH records and you also confirm that not before or after being contracted will you breach the IHVN policy on PSEAH.

## **Equal employment opportunity statement**

IHVN is an equal employment employer. We do not engage in practices that discriminate against any person employed or seeking employment based on religion, gender, national or ethnic origin, age, marital status, genetic information, or any other status or characteristic protected under applicable laws.

## **Mode of Application:**

- Application letter and detailed curriculum vitae in Microsoft Word format should be forwarded to the **Assistant Director, Human Resources** through this email address: [careers@ihvnigeria.org](mailto:careers@ihvnigeria.org)
- This advert is open from **18<sup>th</sup> December, 2024**, and only shortlisted candidates will be contacted.