Jhpiego Bangladesh

Terms of Reference

For

"Hiring Consultant for upgradation of MaJan App"

Jhpiego Bangladesh

Jhpiego, an affiliate of Johns Hopkins University, was founded in 1973 in Baltimore, Maryland, USA, to create and deliver transformative healthcare solutions that save lives. In partnership with national governments, health experts, and local communities, Jhpiego builds health providers' skills and develops systems that save lives now and guarantee healthier futures for women and their families. Since its inception, Jhpiego has worked to save lives and improve health, reaching people in more than 150 countries worldwide. Currently, it runs active programs in more than 35 countries across the globe.

Background

Jhpiego has been working as an IP of UNFPA to implement SRH component of "Health and Gender Support Project in Cox's Bazar (HGSP)" funded by the World Bank. Under this project, Jhpiego likes to collaborate with the Directorate General of Family Planning (DGFP) to establish an effective web-based and mobile application for documentation of SRH care e.g.- maternity care including triple elimination program and tracking of functional referral system at 20 selected UH&FWCs in Cox's Bazar district.

Purpose

Hiring of a consulting firm to adapt the web-based of UNFPA Bangladesh (Powered by Eidy ICT Solutions Limited) that will cover modules on pregnancy care, NVD services with referral and screening test with referral tracking of triple elimination (HIV, syphilis, and Hepatitis-B) program during the ANC in 20 selected UH&FWCs of Cox's Bazar district.

Basic Information

Project Title	Achieving Universal Access to SRHR to the Host Communities of Cox's Bazar and UNFPA Supported Districts in Bangladesh.
Location	Cox's Bazar
Duration	3 months (60 working days)
Tentative Start Date	01 February 2024
Final Report Submission	30 April 2024
Type of service	Short Term Consultancy
Reports To	Program Director- SRHR, Jhpiego

Objective & Scope of Work for the Consultant:

Objective: The primary aim of the consulting firm engagement is to design, adapt/develop, and deploy a comprehensive web and mobile application system. This system is intended to facilitate real-time. Transaction and management of information across multiple locations. It will include an in-app notification system to ensure timely communication and updates.

Scope of Work

- Create a multi-layered structure for both web and mobile applications.

- Ensure the system is capable of handling real-time transactions and data flow.

A. Development of Web Application:

- Implement a multi-tiered system for user management, allowing the admin to assign roles and permissions based on program requirements.
- Develop functionalities for various user types with tailored dashboards and capabilities, including admin, manager, and national-level users.
- Integrate modules and sub-modules specific to program needs, such as handling pregnancy and delivery-related issues and triple elimination (HIV, syphilis, and Hepatitis-B) during Antenatal Care (ANC) checkups.
- Include advanced filtering options on the dashboard for date ranges, issue types, etc.
- Develop comprehensive pregnancy/delivery and triple elimination sections, including client registration, referral information, treatment status, and follow-up details.
- Implement graphical and visual data representations, such as charts for discharge status, referrals, complications, and treatment outcomes.

B. Development of Mobile Application:

- Ensure the mobile application serves as an efficient endpoint for end users.
- Facilitate smooth data transactions with the central server using APIs.
- Design user-friendly interfaces for different end users, with functionalities tailored to their roles and program needs.
- Enable the mobile application to handle and display relevant data, including geolocation information and program-specific details.

C. Deployment and Integration:

- Ensure seamless integration between the web and mobile applications.
- Implement robust data security and privacy measures.
- Conduct thorough testing to ensure system reliability and efficiency.
- Provide training and documentation for users and administrators.

D. Maintenance and Support:

- Offer ongoing support and maintenance post-deployment.
- Regularly update the system to accommodate program changes and technological advancements.
- Ensure scalability of the system for future expansions or modifications.
- The consultant will collaborate closely with stakeholders to ensure the system meets all specified requirements and adheres to high quality and functionality standards.

Deliverables with Frequency and Timeline:

Deliverables	Frequency	Timeline
Share final layout/ design of the modified web-based application MaJan	Once	1 February 2024
Complete hosting of mobile application- Upgraded MaJan	Once	15 March 2024
Final report on Upgraded MaJan hosting and deployment	Once	30 April 2024

Note:

- The duties above and responsibilities are to be performed within the timeline**.**
- Jhpiego will not provide the consultant with any hardware/equipment/device/any allowance. Therefore, s/he must have his arrangement to carry out all assignments.

Reporting & Line Management:

The consultant will be reportable to the Program Director- SRHR, Jhpiego, and will work under the direct supervision of the Program Director- SRHR, Jhpiego.

Required Qualifications, Expertise, and Competencies:

The prospective consultant must possess the following qualifications:

- Experience designing multi-tiered application architectures with distinct layers for data, business logic, and user interface.
- Proficiency in managing central databases and servers, ensuring data integrity and security.
- Expertise in integrating advanced data visualization tools and customizable dashboards for diverse data sets like healthcare statistics.
- Ability to implement real-time data transaction capabilities and in-app notification systems.
- Proficiency in incorporating geolocation features for detailed location-based data analysis and reporting.
- Rigorous testing and quality assurance protocols to ensure the reliability and accuracy of the application.
- Capability to develop systems with complex user role and permission management.
- Excellent communication and project management skills
- Demonstrated experience in writing or supporting process documentation.
- Good organizational skills, including time management and the ability to meet deadlines.
- Prior experience in healthcare-related projects, particularly in areas like maternal health, disease screening, and public health initiatives, would be advantageous.

Required Doduments:

The proposal must be included the following documents/information:
- A technical proposal (max five pages) including a work plan and short CVs (maximum three pages) of relevant key technical experts of the firm addressing the essential competencies and skills. The technical proposal must indicate the appropriate tools/ platform and approaches to perform each duty and responsibility**.
- A sample of work to demonstrate the skills.
- A financial proposal including details rate against the deliverables. The total amount must be included VAT and Income Tax will be decuted at source as per Govt. law.
- Trade License
- Tax Identification Number-TIN
- Business Identification Number-BIN

Evaluation of Proposal and Selection Process:

Selection Criteria	Weighted Scores
Financial Proposal [Financial Proposal will be evaluated on inverse proportion method, which means the lowest price offer will get the highest score]	**30%**

Technical Proposal
[Technical Criteria will be evaluated on the reverse proportion method, which means the lowest experience will get the lowest score]
Technical Criteria will be evaluated based on the following experiences/ documents-
   • Technical proposal & sample report – not more than 7 pages, 30 Points
   • Relevant Competencies and Technical Skills   20 Points
   • Relevant education -   10 Points
   • Relevant previous experience of similar assignment   10 Points
	70%

Total	**100%**

Limitations:

Admin of the app will be assigned persons of UNFPA and Jhpiego Bangladesh. Services providers and managers will have access to upload and view their data through using their ID and password as applicable.

Payment Methods:

The payment will be made in three installments as per below schedule:

Deliverables	Payment %
Share final layout/ design of the modified web-based application MaJan	30%
Complete hosting of mobile application- Upgraded MaJan	40%
Final report on Upgraded MaJan hosting and deployment	40%

- All payments by Jhpiego will be subject to the deduction of appropriate taxes/ VATs as per prevailing Government rules. The payments will be made through cheque/EFT.

Proposal submission process:

Please submit your proposal in English before **25th January 2023** to bd-procurement@jhpiego.org Please mention in the subject line"**Hiring Consultant for upgradation of MaJan App"**

Only shortlisted firms will be notified and contacted for proposal review. Proposal received after the deadline or incomplete proposal will not be considered.