

JOB DESCRIPTION

Goal

The goal of this consultancy is to develop malaria surveillance tool of real time malaria case reporting system from community and health center level for Radical Cure of plasmodium Pv and Last Mile activity.

Tasks

Update Radical Cure of plasmodium Pv tool:

1) Update mobile application (Routine reporting) on smart phone and tablet for

VMW app on smartphone

- Fix “Patient follow-up Information” module in the MIS app (No.3) disappeared
- Add offline feature to allow Village Malaria Worker (VMW) enter follow up in offline mode
- Update Follow Up form following CNM request

HC app on tablet

- Add Follow Up feature in health center (HC) to allow HC can enter Follow Up data
- Some recording items (i.e. G6PD level) and scroll-down options (i.e. treatment)
- Add Data view of Follow-up data of Day 3, Day 7 and Day 14 from VMW.

2) Update MIS

- Build dashboard with important indicators for P.vivax
- Export data to Ms Excel

3) Prepare short user guide for using the updated App and MIS. Training CNM data manager to manage and maintain the updated App.

Build new Last mile tool for village malaria worker

4) Mobile application

- to allow village malaria worker entering the census of household information within the VMW’s village such as household member information, household geo-location, household ID
- to allow VMW to track all targeted forest goer for targeted drug administration
- to allow VMW to enter weekly household fever screening and intermittent preventive treatment for forest goer
- to allow VMW to identify forest goer who is high risk of malaria infection
- to allow VMW to enter bed net that provided to household

5) Malaria Information System

- Build dashboard with important indicators for Last Mile activity

- Export data to Ms Excel for external data analysis

6) Prepare short user guide for using the updated App and MIS. Training CNM data manager to manage and maintain the new App.

Expected outputs

The consultant shall deliver the well-functioning systems for malaria routine reporting, mobile app for Pv radical cure is updated and new Mobile app for Last Mile activity is created. User guiders on how to use the systems are developed and the CNM staff are trained for managing the systems.

Timetable and Schedule of deliveries

Tasks	Deliverables	Number of Days	Estimated timing
<p>1) Update mobile application (Routine reporting) on smart phone and tablet for</p> <p>VMW app on smartphone</p> <ul style="list-style-type: none"> • Fix “Patient follow-up Information” module in the MIS app (No.3) disappeared • Add offline feature to allow Village Malaria Worker (VMW) enter follow up in offline mode • Update Follow Up form following CNM request <p>HC app on tablet</p> <ul style="list-style-type: none"> • Add Follow Up feature in health center (HC) to allow HC can enter Follow Up data • Some recording items (i.e. G6PD level) and scroll-down options (i.e. treatment) • Add Data view of Follow-up data of Day 3, Day 7 and Day 14 from VMW. 	The App updated and well- functioning	8	16-Nov-2020
<p>2) Update MIS</p> <ul style="list-style-type: none"> • Build dashboard with important indicators for P.vivax • Export data to Ms Excel 	MIS updated and well- functioning	4	24-Nov-2020

<p>3) Prepare short user guide for using the updated App and MIS. Training CNM data manager to manage and maintain the updated App.</p>	<p>one user guide is for MIS and another is for App. CNM data manager is trained.</p>	<p>1</p>	<p>28-Nov-2020</p>
<p>4) Mobile application</p> <ul style="list-style-type: none"> • to allow village malaria worker entering the census of household information within the VMW's village such as household member information, household geo-location, household ID • to allow VMW to track all targeted forest goer for targeted drug administration • to allow VMW to enter weekly household fever screening and intermittent preventive treatment for forest goer • to allow VMW to identify forest goer who is high risk of malaria infection • to allow VMW to enter bed net that provided to household 	<p>Well-functioning new mobile app</p>	<p>16</p>	<p>29-Nov-2020</p>
<p>5) Malaria Information System</p> <ul style="list-style-type: none"> • Build dashboard with important indicators for Last Mile activity • Export data to Ms Excel for external data analysis 	<p>Dashboard and data export tool are created in MIS</p>	<p>5</p>	<p>15-Dec-2020</p>
<p>6) Prepare short user guide for using the updated App and MIS. Training CNM data manager to manage and maintain the new App.</p>	<p>one user guide is for MIS and another is for App. CNM data manager is trained.</p>	<p>1</p>	<p>20-Dec-2020</p>

Qualification

- Bachelor or Master Degree in information technology, computer science, or other relevant field
- Strong Android mobile application development skills

- Strong database development skills using MySQL and Ms SQL server
- A minimum of 5-10 years' experience in computer programming like PHP, Java, Ruby or similar
- Ability to think analytically, synthesize and clearly present complex processes and issues related to the development of malaria surveillance
- Experience in Malaria or public health is desired
- Experience in Malaria Information System (MIS) is desired
- Experience of using SMS technology for data collection is desired
- Familiarity with the health system in Cambodia is desired
- Proven experience in leading consultative processes; ability to conduct/facilitate sessions related to the development of the consultation meetings.

LANGUAGES

English: Fluent (Speaking & Writing); **Khmer:** Working (optional)

Period: The work is to be concluded within 6 weeks from the signing of 15th Nov, 2020 with a total of 35 working days between 16th Nov and 20th Dec 2020.

Submission guidelines: Please submit your CV with the word "Malaria Mobile Application Consultant" in the subject and a cover letter to cnm.recruitment@gmail.com.

Cover letter required? Yes

CONTACT INFORMATION

Email: cnm.recruitment@gmail.com.