



**Solicitation #:** 3879-06-134-Consultant-01

**Issued on:** January 14, 2014

**For:** Research Team Leader Cambodia – Market Chain Analysis of the Cross-Border Rat Trade in Cambodia and Vietnam

**Submission Deadline:** 5:00 PM Cambodia Time on January 27, 2014

**Period of Performance:** February 10, 2014 – August 31, 2014

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**BACKGROUND**

The U.S. Agency for International Development (USAID) has awarded FHI 360 the Associate Award No.: GHN-A-00-09-00002-00 under Leader Award No. GPO-A-00-07-00004-00 entitled, “Global Avian Influenza and Zoonotic Behavior Change and Communication Support Activity,” or the PREVENT project. In Cambodia, Laos, Myanmar and Vietnam, PREVENT activities are also supported by the Australian Government’s Department of Foreign Affairs and Trade (DFAT), formerly known as AusAID. PREVENT focuses on using behavior change and communication to prepare for, prevent, respond to, and control avian and pandemic influenzas and emerging pandemic threats.

Rodents are carriers of more than 20 viruses that may affect humans. These viruses spread in a variety of ways, including direct contact through bites or scratches, inhalation of aerosolized excrement and contact with saliva- or excreta-soiled objects. Rice field rats are sold at markets in both Cambodia and Vietnam; observations by PREVENT staff indicated poor biosecurity and hygiene practices, with individuals involved in the trade exposed both directly and indirectly to rat bites and scratches as well as to blood, saliva, and entrails. We found no systematically collected information about the rat trade and its potential for zoonotic disease transmission, although the trade appears to be sizable and to involve high rates of risky exposure for those participating in it. The structure of the market chain and the types of people participating in the trade (traders) are unknown and as far as we can determine unstudied, apart from the paper by Khiem, et al. Specific practices and situations that create opportunities for exposure to disease have not been assessed. Vietnam’s Department of Animal Health (DAH) and the Royal Government of Cambodia’s Ministry of Health (RGC MOH) are committed to preserving the benefits of the rat trade – removal of an agricultural pest and providing a source of income and food – while addressing the potential disease risk the trade may pose to human and animal health.

PREVENT proposes A Market Chain Analysis of the Cross-border Rat Trade in Vietnam and Cambodia as a first step in a series of studies on the rodent trade. This exploratory study will provide an in-depth description of the types of rat traders, the structure of the rat trade, and

practices and situations that may pose a risk to disease emergence. This information will be used to identify possible risk reduction strategies.

## **PURPOSE**

FHI 360 wishes to hire a *research team leader in Cambodia* for up to 114 days to assist in pretesting study instruments, conducting key informant interviews, and overseeing a team of eight researchers for data collection activities.

## **STUDY**

The study is an exploratory, market chain analysis. The goal of the study is to describe the rat trade and the practices and situations that appear to put individuals and communities at risk of zoonoses from rats. The study objectives are to: a) determine typical structure/s of the rat trade network, b) create a typology of individuals involved in producing, processing, selling, collecting, or transporting of rats and rat products, and c) identify practices or situations of these individuals that may pose a risk for zoonoses.

For this study the population we are interested in enrolling and learning more about includes individuals who are knowledgeable about or directly engaged in the rat market chain – that is individuals moving the rats from their source to end users.

The study will use both qualitative and quantitative methods to address the research questions, including a survey, mapping exercise, structured observation, and in-depth interviews. Prior to implementation all data collection forms/processes will be pretested.

### Location

The study will take place in the provinces of Dong Thap and An Giang, Vietnam and Kandal and Prey Veng, Cambodia.

### Research team

To implement this study, there will be an implementation team for each country. The *research team leader in Cambodia* will be supervised and supported by two US-based co-principal investigators, a local principal investigator (PI), a RGC focal person, and PREVENT's program coordinator based in Vietnam.

The *research team leader in Cambodia* will oversee the implementation team for Cambodia consisting of – four to six field investigators, a logistics coordinator, and a data entry operator. A similar team will be led by the team leader in Vietnam.

### Language

The research will be conducted in *Vietnamese and Khmer* language. All information obtained will be translated into English.

### Timing

PREVENT anticipates that IRB submission will begin in January 2014. Researcher recruitment will likely begin in January 2014 for researcher training in late February 2014, with field work beginning shortly thereafter (subject to receiving IRB and local ethical committee approval). The

*research team leader in Cambodia* will work full time when this contract starts to set up and conduct the pretesting and again from the start of researcher training through data collection.

## **SCOPE OF WORK**

The *research team leader in Cambodia* will be expected to perform the following tasks:

1. **Preparation:** (3 days LOE)
  - a. Participate in necessary phone calls and in-person meetings leading up to the study. Review the research protocol and other relevant literature provided by FHI 360 to gain a good understanding of the rationale and plan for the study.
  - b. Participate in discussions and assist FHI 360 staff with logistical issues.
  - c. Complete research ethics training (e.g., the web-based NIH course on “Protecting Human Research Subjects”).
  
2. **Pretest the study instruments:** (10 days LOE)
  - a. Review the instruments and consent forms and provide comments on aspects which may need adaptation for local conditions.
  - b. In collaboration with PREVENT’s program coordinator organize the pretest in Cambodia.
  - c. Attend a training led by PREVENT research staff on conducting the pretest.
  - d. Conduct the pretest with at least one of the US-based Co-PIs, the local PI, the PREVENT Coordinator, and the research team leader in Vietnam.
  - e. Assist with finalizing the forward and back translation of data collection instruments and consent forms.
  - f. Participate in debriefing meeting after the pretest with RGC, DAH, and USAID.
  
3. **Training:** Attend a multi-day training, in Cambodia, to prepare for the market chain analysis. (7 days LOE)
  - a. Review and provide comments and suggestions for changes to the training materials, to help finalize them prior to training.
  - b. Work with FHI 360 staff to ensure that training venue, materials and field training sites are prepared.
  - c. The US-based Co-PIs, the *local PI*, one to two senior researchers from PREVENT, and the program coordinator will train the entire team on the study objectives and protocol, research ethics and human subjects protection protocols, and data management. Groups will be split up into two for a portion of the training to be trained on best practices to implement the instruments they will administer. The training will include field practice.
  - d. Provide personalized tutoring on data collection to individual research team members as needed.
  - e. The *local PI* will provide input to FHI 360 staff regarding the field researchers performance during the study training.

4. **Fieldwork:** (*Up to 84 days*)
  - I. **Key Informant Interviews (KII):**
    - a. The *research team leader in Cambodia* will conduct up to 15 key informant interviews in Kandal and Prey Veng, supported by the local PI, program coordinator and logistics coordinator in Cambodia.
    - b. Immediately following the interviews the *research team leader in Cambodia* will summarize the KIIs including information on dealers (name, location, description) and provide that information to the *local PI* for survey selection.
  - II. **Survey, Mapping Exercise, and Observation:** Four market chains will be mapped using chain referral, one in each study province – An Giang, Dong Thap, Kandal and Prey Veng. Each participant enrolled in the study will be asked to participate in a survey and mapping exercise. A subset of participants enrolled in the survey will be asked to participate in an observation. The *research team leader in Cambodia* will each oversee a team of field researchers (4 -6), a logistics coordinator, and a data entry operator. S/he will also coordinate with the local PI, PREVENT program coordinator, RGC, and DAH officials. Specifically, the *research team leader in Cambodia* will:
    - a. Travel to the field with the local PI and a US based PI to begin data collection. Work closely with the local PI to make sure data collection is following SOPs and nightly debriefs are conducted properly.
    - b. Oversee the work of the Cambodia research team to ensure the quality of implementation of all components of the study, including obtaining informed consent, facilitation of interviews, and adherence to data collection and storage study operating procedures.
    - c. Secure all hard copy forms and email/mail documents according to the protocol.
    - d. Check in with the local PI daily to make decisions on next steps of research and adjust plans accordingly.
    - e. Take detailed field notes of daily field implementation and debrief sessions with the Cambodia team. Use template to report to the local PI each evening.
    - f. Keep track of and document all data collection activities, as well as problems encountered in the field. If an adverse event or any breach of protocol occurs, report it immediately to the PREVENT program coordinator, local PI, and US-based Co-PIs.
    - g. Assist the local PI in tracking the number and type of participants enrolled in the IDI and Observation portion of the study as required by the study protocol.
5. **Data management and analysis:** Participate in data finalization and management. (*LOE 10 days*)
  - a. Provide all data products (questionnaires, structured observation forms, notes, and recordings) to the local PI correctly catalogued, labeled and appropriately stored.
  - b. Supervise the data entry operator to ensure structured data is entered into computer forms, ensure the quality of the data, and see that data entry is revised if necessary.
  - c. Review the translations/transcriptions provided by the external firm and provide feedback to the local PI.

- d. Respond to data queries from FHI 360 in a timely manner.
- e. Write a report summarizing field experience and debriefing notes and personal observation.

## **DELIVERABLES**

The following deliverables are to be submitted in electronic form by the *research team leader in Cambodia* to the designated FHI 360 contact person as implementation of the study progresses. The *research team leader in Cambodia* should anticipate that multiple drafts of the deliverable (revisions) may need to be produced and submitted for feedback before the deliverable can be considered final and approved as fulfilling the terms of the contract. The following deliverables are required:

1. Certificate of completion of research ethics training (e.g., the web-based NIH course on “Protecting Human Research Subjects”).
2. Submission of final forward and back translation of data collection instruments and consent incorporating agreed on pretest changes.
3. Attendance at multi-day training, in Cambodia to prepare for the market chain analysis.
4. Submission of Cambodia complete data set of the following catalogued research products:
  - a. Digital audio recordings of all recorded sessions
  - b. Notes from KII, and other original research products
  - c. Consent forms
  - d. Original questionnaires, mapping exercises, and structured observation forms
  - e. Checked electronic files of any structured data
  - f. Detailed notes from data collection activities and preliminary analysis notes in English (electronic)
  - g. Checked transcriptions/translations of all recorded sessions
5. Short report in English summarizing field work and preliminary findings.

## **SUBMISSION REQUIREMENTS**

*Research team leader in Cambodia* should provide a cover letter, current CV, biographical data form, writing sample and confirmation of availability to perform the work:

1. The CV shall contain, but not be limited to:
  - A half page statement describing the *research team leader in Cambodia*'s capability for completing the assignment and previous experience with similar activities, especially market chain analysis. Indicate experience managing a team of data collectors.
  - List of work conducted in Cambodia with dates, funder and information about study size and methods used.
  - A description of fluency level in *English, Vietnamese, and Khmer* and the type of experience using them in quantitative and qualitative research.
  - List of at least three references with contact email and phone numbers who can independently verify past work.
2. A writing sample of a paper or report
3. Attachment B - Biographical data form

4. Ability to travel to Vietnam
5. Confirmation of availability to perform the work during the anticipated period of performance indicated above (February 10, 2014 – August 31, 2014)

The *research team leader in Cambodia* is responsible for the review of Attachment A – Consultant Terms and Conditions.

The *research team leader in Cambodia* must provide full, accurate and complete information as required by this solicitation and its attachments.

### CRITERIA/QUALIFICATION FOR EVALUATION

The selection will be based on the best value/trade off (weighing price against technical factors as follows:

- **Education: 20 points**
  - Masters (required) or PhD (preferred) in related field (Animal Sciences, Agricultural Science, Anthropology, or Public Health) or combination of education and experience
- **Capabilities and experience: 50 points**
  - Experience conducting quantitative research and structured observation in Cambodia.
  - Experience overseeing field teams.
  - Experience managing data entry and processing.
  - Strong communication skills (both verbal and written).
  - Fluency in *Khmer* and ability to converse in and read and write in English required.
  - Experience report writing strongly desirable.
  - Past research experience in market/value chain analysis and/or other studies focusing on human/animal interfaces is a plus.
- **Cost: 30 points**

### SUBMISSION INFORMATION

Any questions or requests for clarification need to be submitted in writing to Mr. Le Thanh Hai, ([hlethanh@fhi360.org](mailto:hlethanh@fhi360.org)) and copy to Ms. Kathleen O'Rourke ([korourke@fhi360.org](mailto:korourke@fhi360.org)) by **5:00 p.m. Cambodia time on 20 January 2014**. Inquiries and answers to inquiries will be shared with all applicants. No telephone inquiries will be answered.

Please provide the requested information by **5:00 p.m. Cambodia time on 27 January 2014** via email to Mr. Le Thanh Hai, [hlethanh@fhi360.org](mailto:hlethanh@fhi360.org) and Ms. Kathleen O'Rourke, [korourke@fhi360.org](mailto:korourke@fhi360.org).

**NOTE:** Please **DO NOT** begin work until a contract has been signed between FHI 360 and the *research team leader in Cambodia*.

**NOTE**

1. FHI 360 will not compensate individuals for preparation of their response to this Solicitation.
2. Issuing this Solicitation is not a guarantee that FHI 360 will award a contract.
3. FHI 360 reserves the right to issue a contract based on the initial evaluation of offers without discussion.
4. FHI 360 may choose to award a contract for part of the activities in the Solicitation.
5. FHI 360 may choose to award contracts to more than one offeror for specific parts of the activities in the Solicitation.
6. FHI 360 may request from short-listed offerors a second or third round of either oral presentation or written response to a more specific and detailed scope of work that is based on a general scope of work in the original Solicitation.
7. FHI 360 has the right to rescind the solicitation, or rescind an award prior to the signing of a contract due to any unforeseen changes in the direction of FHI 360's client (the US Government), be it funding or programmatic.
8. FHI 360 reserves the right to waive any deviations by offerors from the requirements of this solicitation that in FHI 360's opinion are considered not to be material defects requiring rejection or disqualification; or where such a waiver will promote increased competition.
9. Data produced by this belongs to FHI 360 and USAID. Any distribution of data must first have written authorization from FHI 360 or its designated representative.

**ATTACHMENTS**

Attachment A – Consultant Terms and Conditions

Attachment B – Biographical Data Form

**- END OF SOLICITATION -**