REQUEST FOR EXPRESSION OF INTEREST FOR SELECTION # 1034027

Selection Information

<table>
<thead>
<tr>
<th>Assignment Title</th>
<th>Transport Crowd-Source Information and Communications Technology (ICT) Demonstration</th>
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<tbody>
<tr>
<td>Publication Date</td>
<td>25-Apr-2011</td>
</tr>
<tr>
<td>Expression of Interest Deadline</td>
<td>02-May-2011 at 11:59:59 PM (EST)</td>
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<tr>
<td>Language of Notice</td>
<td>English</td>
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</tbody>
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Selection Notice

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<tr>
<th>Assignment Country</th>
<th>PH - Philippines</th>
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<td>Funding Sources</td>
<td>The World Bank intends to finance the assignment/services under Trust Funds:</td>
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<td></td>
<td>BB - BANK BUDGET</td>
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<td>TF099345 - Urban Transport Crowd-Source ICT Demonstration</td>
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<tr>
<td>Individual/Firm</td>
<td>The consultant will be a firm.</td>
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Assignment Description

SELECTION FOR CONSULTANTS BY THE WORLD BANK
REQUEST FOR EXPRESSIONS OF INTEREST

Electronic Submissions through World Bank Group eConsultant2

ASSIGNMENT OVERVIEW

Assignment Title: 1034027 - Transport Crowd-Source Information and Communications Technology (ICT) Demonstration - Component #1: Using GPS-Enabled Mobile Phones Distributed to Taxis to Support Data Collection and Dispatch

Assignment Country: Philippines

ASSIGNMENT DESCRIPTION

The Project objective is to establish a proof-of-concept for the use of emerging ICT applications (e.g., crowd-sourcing, open-mapping, alternative uses for mobile phones) to support low-cost, simple means to collect traffic and transit data, which can be used to more effectively plan and manage local transport systems and support dispatching services for taxi and public transit companies, as well as to establish an information platform to support public participation in transport system and network development.

The project comprises three components:

#1: Using GPS-Enabled Mobile Phones Distributed to Taxis to Support Traffic Data Collection and Dispatch
#2: Platform for Public Participation, under which the project team will pilot the use of crowd-sourcing to support a 311-type platform.

#3: Using Mobile Phones to Support Jeepney Data Collection and Dispatch, under which the project team will pilot crowd-sourcing data collection methodologies as a means to establish a low-cost yet robust dispatch system, as well as to support a more transparent market for routes.

This bidding opportunity is for Component 1 of the Program: "Using GPS-Enabled Mobile Phones Distributed to Taxis to Support Data Collection and Dispatch". The objective of this project component is to provide a low-cost and sustainable means for the Cebu City Government to collect high-quality traffic data that can be used to support traffic planning and management, as well as accident response.

Under this component, in collaboration with the Metro Cebu Taxi Operator Association, GPS-enabled phones will be distributed to a sample of taxis. By tracking vehicles travel speed and location, the following parameters shall be derived temporally and spatially:

- Congestion points (and correlations with weather and special events);
- Estimated traffic volumes by corridor;
- Average travel speeds by corridor;
- Estimated congestion impact on network fuel efficiency; and
- Unusual occurrences causing traffic stoppages, such as accidents.

As an incentive for taxi companies to participate, the Program will also provide a visual interface for the participating taxi operators -- vehicle locations for use in dispatch.

Tasks under this assignment will include:

1) Existing Capacity and Resources Assessment
2) Evaluation of Technical and Implementation Options
3) Resource Needs Assessment
4) Procurement Plan
5) Mobile Device Application for Transmitting Location Data
6) Data Analysis and Visualization Tools for the Cebu City Transport Office
7) Data Analysis and Visualization Tools for Participating Taxi Companies
8) Applications for Mobile Devices
9) Data Validation Plan and Implementation
10) Proof-of-Concept Plan and Implementation
11) Sustainability and Scaling Up Plan
12) Training and Capacity Building
13) Final Report

Further details about each of these components will be provided with invitations for Requests for Proposals, to be sent to short-listed firms / partnerships.

FUNDING SOURCE

The World Bank intends to finance the assignment / services described below under the AusAid Trust Fund.

INDIVIDUAL / FIRM PROFILE

The consultant will be a firm or partnership of individuals, firms, and/or institutions, with a designated lead entity.

SUBMISSION REQUIREMENTS

The World Bank now invites eligible consultants to indicate their interest in providing the services. Interested consultants must provide information indicating that they are qualified to perform the services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc. for firms; CV and cover letter for individuals). Please note that the total size of all attachments should be less than 5MB. Consultants may
Selection and contracting will normally be made from responses to this request for expression of interest. The consultant will be selected from a shortlist, subject to availability of funding.

Interested consultants are hereby invited to submit expressions of interest.


NOTES
Candidates are invited to send expressions of interest for this and Component 3 of the Program: "Using Mobile Phones to Support Jeepney Data Collection and Dispatch", which is a separate contract funded by the Korea Trust Fund. Partnerships may be eligible to participate in both components.

Following this invitation for Expression of Interest, a shortlist of qualified firms will be formally invited to submit proposals. Shortlisting and selection will be subject to the availability of funding.

**Qualification Criteria**

1. Interested candidates should provide information showing that they are qualified in the field of the assignment. For example, interested consultants are expected to demonstrate: a) General software / application development (both web-based and mobile platform) that involves: use of vehicle location data, mapping (preferably using Google and/or OSM platforms), transport data analysis, and simple to use graphical user interfaces. b) Database development and management; c) High quality data visualization and mapping; d) Experience in traffic flow/volume modeling; and e) Ability to prepare reports and materials in standard UK/US English. f) Specific experience working on application development in multiple countries; and g) Specific experience with the successful development of applications that analyze congestion based on signals received from mobile phones.

2. Interested candidates should provide information on the qualifications of individual key staff members.

3. Interested candidates that represent partnerships should define the expected contributions from each partner.

4. Interested candidates should show evidence of work in multiple countries.

*Selection and contracting will normally be made from responses to this request for expression of interest. The consultant will be selected from a shortlist, subject to availability of funding.*