

Request for expressions of interest from local software development organisations

Background

The Tanzanian Government has formulated a digital health roadmap, building on the eHealth Strategy. The Bill and Melinda Gates Foundation expects to support the Government by contributing funding towards a portion of this plan through a five year project coordinated by PATH. Software development is one of several inputs which will be needed in order to implement this project.

PATH now wishes to establish a pool of eligible local software development organisations to which specific work can be assigned on a task order basis in support of the roadmap. This notice is a request for expressions of interest in membership of this pool. Membership of the pool does not guarantee any contract, and each software development work task order will each have a separate request for proposals, for which pool members will be eligible to apply.

Scope of work

Task orders envisaged to be issued under this mechanism are outlined below. Note that the task orders listed below are indicative only, and are subject to change.

Roadmap investment recommendation	Software development element	Estimate level of effort: 1=Small, 2=Medium, 7=Large
Enhance Government coordination of data systems and use initiatives	Development of online knowledge management tools for MOH/PORALG websites for collaborative contribution to and curation of inventories of projects and documents.	1
Computerise primary health care data	Development/adaptation of digital tools and systems for use by primary health care workers and facilities to enable client tracking, clinical decision support, medical record keeping, stock and revenue management, focused on the needs of small health facilities (eg dispensaries and health centres) and community health workers.	7
Strengthen health system performance	Enhancements to district planning tools to enable better planning and scheduling of supportive supervisions and assessments of facilities.	1
Strengthen health system performance	Development of tools for use during supervisions and assessments of health facilities which will facilitate collection of data during supervisions/assessments, and also facilitate on-site data use to formulate quality improvement action plans.	2

Roadmap investment recommendation	Software development element	Estimate level of effort: 1=Small, 2=Medium, 7=Large
Improve HMIS indicators and reporting	Enhancements to electronic HMIS, for example configuring electronic HMIS to receive data from other electronic data systems, revisions to indicators, mobile reporting features, updated data quality checks, and additional data visualizations.	2
Put in place enterprise architecture	Software refinements to key systems to make them compliant with enterprise architecture (multiple task orders)	2
Implement an administrative area registry	Development of digital platform to manage, curate and display geographical data on administrative areas such as districts, wards and villages, including making data available via APIs. Note this is broader than the health sector.	2
Implement a health worker registry	Development of an electronic registry of public and private sector health professionals, their qualifications, training, employment, location, including tools for management, curation and exchange of data and making data available via APIs.	2

Work will include participation in requirements analysis, writing technical specifications, software design and coding, software testing, software documentation, training materials preparation, training, roll-out, user support and maintenance.

Organisations will be expected to collaborate closely with the Government of Tanzania and with PATH, as well as with a range of stakeholders.

In many cases software development will involve customization of or building off of existing platforms, systems and tools in use in Tanzania or available internationally. When needed, local software organisations identified under this mechanism will be twinned with international software development organisations and will be expected to work together closely on a day to day basis despite geographic distance.

Software, code and documentation developed as part of this project will be Government owned and will normally be expected to be made available on an open-source basis, in such a way as to allow other organisations to further develop or build upon the work.

Eligibility

Expressions of interest are welcome from local organisations with proven software development expertise, including local companies, local academic institutions and local NGOs.

Expression of interest

The following should be included in an expression of interest:

- Overview of the organisation (1 page)
- Software development approaches, including approach to software project management, requirements analysis, software design, software coding, code-base management, software testing, software maintenance, software documentation, training and user support. Give examples of how these approaches are applied in practice in your organization. (3 pages)
- CVs of key personnel envisaged for different roles, including relevant skills and experience (maximum 1 page per CV, maximum 10 CVs)
- Previous and existing relevant work (3 pages)
- A table with indicative billable *daily* rates for different roles. Exclude training logistics, travel costs, and supplies related to project work. (1 page) related to project work. (1 page)

Expressions of interest should be submitted in MS Word or PDF format by email to achalamila@path.org with copy to tmunson@path.org by deadline 31MAR17.