

VACANCY ANNOUNCEMENT

Issued on 02/10 / 2020

Amendment 1 on 15/10/2020

United Nations Core Values: Integrity, Professionalism, Respect for Diversity

I. Assignment Summary	
Programme:	Sustainable Human settlements in Urban areas for Reintegration Afghanistan (SHURA)
Organizational Location	UN-Habitat, Afghanistan
Duty Station	Kabul, Afghanistan
Consultancy Title	INFORMATION MANAGEMENT SYSTEMS DEVELOPER
Grade	UNOPS /IICA II (P-3 equivalent) (output basis contract)
Starting Date	20 OCT 2020
Duration	2 work-months over 2.5 months
Finish date	30 DEC 2020
Deadline	12 OCT 2020
Amend 1:	25 OCT 2020
II. Background	
<p>The Sustainable Human settlements in Urban areas for Reintegration in Afghanistan (SHURA) program, is designed in line with the corresponding contribution Agreement, signed between the European Union, the Danish Ministry of Foreign Affairs and UN-Habitat. The Program is being implemented with the coordination authority of the Ministry of Refugees and Returnees (MORR), Ministry of Urban Development and Lands (MUDL), The Afghanistan Independent Land Authority (ARAZI), Independent Directorate for Local Governance (IDLG), the Afghanistan high-level Displacement and Return Executive Committee (DiREC) to which UN-HABITAT provides implementation outputs.</p> <p>The Nature of over-arching consultancy activities entails components as following:</p> <p>Information Management System Development for Biometric Data hosting and web-based mobile friendly AI solutions for:</p> <ol style="list-style-type: none"> 1. Biometric Profiling Registration of Assistance applicants at Registration Centre's located at Ministry of Refugee and Repatriation (MORR) 2. Biometric based vulnerability profiling and field dependency assessment of eligible Returnees and applicant IDPs at the Household (HH), pre-profiled at the RIC and channeled through secure network system. 3. Predictive Data Analysis for applicant Scoring and eligibility determination as per Presidential Decree (PD)305 4. Link of Returnee and IDP registration database to other databases (IOM, UNHCR, NSIA, ANDC, WB, CFA, ARAZI) 	

5. Data processing for generation of eligible applicants' manifest reports for selection processing.
6. RIC Database link to ARAZI Geospatial database for Land allocation indexing and deed issuances.
7. Link to SHURA/MORR/MUDL/GoIRA websites, executive dashboard for transparency and information dissemination.
8. Vulnerability, scoring, eligibility, dependency, profiling analytics and report generation.
9. Technology based registry systems maintenance, usage and upgrade capacity development and training for Government registration staff.
10. Handover of the Registry Network systems, the Database Server system and Configured Machine learning Database to government for Scale-up at national level.

III. Objective, tasks and deliverables

OBJECTIVE

The SHURA – Beneficiary Registration System as proposed, is Technology based system, for the registration and profiling of potential beneficiaries for land and housing assistance allocation requested of UN-Habitat by the Government of the Islamic Republic of Afghanistan (GoIRA). This biometric system will be used to transparently manage applicant registry information of potential beneficiaries applying for reintegration assistances by the Afghan government, that are piloted initially, under the *Sustainable Human Settlement in Urban Areas to Support Reintegration in Afghanistan (SHURA)* program. This Information management system will be available both offline and online and will be installed on government owned computers and servers to enable the collection of beneficiaries' biographic and biometric data to assist in storage, processing and assessing the eligibility of beneficiaries. Names of all eligible beneficiaries will be fed into a public electronic lottery, that will determine the final selection of beneficiaries to receive the cadastral indexed plots of available state land.;

Annexes: If the terms contained in Annexitures are incompatible with those contained in the subsequent consultancy agreement, then the latter shall govern and prevail.

Annex 1: Triaged Systems Technical Specification for guidance

Annex 2: Individual Consultant Work Plan and implementation methodology statement

Annex 3: Detailed System Development Budget

Expected outcome: Web-based Information Management, technology solution to support the outputs and outcomes mentioned above.

The solution will be accessible using standard web browsers, i.e. Chrome, Edge and Firefox via desktop PCs, Tablets and web-enabled mobile phones.

CONSULTANCY DELIVERABLES:

1. Biometric Profiling Registration system development (The SHURA App)

- a. Front-end development
- b. Back-end development
- c. Bug fixing and testing
- d. Remote Deployment support

2. Biometric-based vulnerability profiling and field dependency assessment network system.

- a. Biometric Data Security (in-transit and Storage)
- b. Biometric data uploading and Storage
- c. Vulnerability Rules Management
- d. Vulnerability Profiling & Dashboard
- e. Vulnerability Assessment & Dashboard

3. Predictive Data Analysis for applicant Scoring and eligibility Interphase

- a. Applicant Scoring Rules Management
- b. Applicant Scoring Calculation Engine
- c. Eligibility Rules management
- d. Data Analytics Engine for mapping Scoring and Eligibility
- e. Data Analytics Dashboard

4. Database systems integration System Link

- a. Returnee and IDP registration database
- b. other databases (IOM, UNHCR, NSIA, ANDC, WB, CFA, ARAZI)
- c. Cadastral land index
- d. Data Security
- e. Business Intelligence Reports

5. Information Data processing Interphase

- a. Eligible applicants' manifest reports.
- b. RIC Database link to ARAZI Geospatial database for
- c. Land allocation indexing and deed issuances.
- d. Link to SHURA/MORR/MUDL/GoiRA websites,
- e. Executive dashboard for transparency and information dissemination.

6. Predictive Analysis Algorithms

- a. Vulnerability and eligibility scoring,
- b. Dependency,
- c. Profiling analytics
- d. Report generation.

7. Technology registry systems maintenance

- a. Usage and upgrade
- b. Capacity development and training for Government registration staff

8. Handover of the Registry Network systems,

- a. Database Server system
- b. Configured Machine learning
- c. Database to the government for Scale-up at the national level.

9. Common Components

- a. Privileges and Roles Management
- b. User Management
- c. Reporting

- d. Logging and Alerts
- e. Security
 - o Database Server system and
 - o Configured Machine learning
 - o Database to government for Scale-up at national level.

IV. Competencies

- Promotes UN's core values and ethical standards (professionalism, integrity, respect for diversity)
- Displays cultural, gender, religion, race, nationality and age sensitivity and adaptability
- Capability to engage in team-based decision making and lead technical discussions
- Ability to formulate and manage work plans and a self-starter
- Good listener and responsive to views of government counterparts
- Respectful and helpful relations with UN international and national staff

V. Required Qualifications

Education	An advanced university degree (Master) in computer Science, Information Management, statistics, social sciences research, or related field or other relevant qualifications
Experience	<ul style="list-style-type: none"> • Minimum of 5 years of relevant experience in the implementation of technology development projects, • Experience in Technology Project Formulation and Implementation at scale in built environment, with Monitoring and Evaluation abilities will be an added advantage. • Experience in managing complex urban development programs, including in fragile states, providing policy and technical assistance to governments • Familiarity with the UN in Afghanistan
Knowledge and skills	<ul style="list-style-type: none"> • Ability to think analytically, and present technical concepts clearly • Ability to plan work, set priorities and complete workload under pressure • Good communication skills (verbal and written)
Personal qualities	<ul style="list-style-type: none"> • Ability to work with multidisciplinary and multicultural team • Consultative approach and willingness to learn from others
Language Requirements	<ul style="list-style-type: none"> • Fluency in written and spoken English is required

VI. Payment Schedule:

Payments shall be made on satisfactory completion or work and submission of reports as certified by the (CPM/CTA/PM) on the following schedule of deliverables:

Payment	Deliverable	Amount (%)
PHASE - 1	<ol style="list-style-type: none"> 1. Biometric based vulnerability profiling and field dependency assessment of eligible returnees and applicant IDPS at the household (HH), pre-profiled at the RIC and channeled through secure network system. 2. Predictive data analysis for applicant scoring and eligibility determination as per presidential decree (pd)305 3. link of returnee and IDP registration database to other databases (IOM, UNHCR, NSIA, ANDC, WB, CFA, ARAZI) 	30%
PHASE - 2	<ol style="list-style-type: none"> 1. Data processing for generation of eligible applicants' manifest reports for selection processing. 2. RIC database link to ARAZI geospatial database for land allocation indexing and deed issuances. 3. link to SHURA/MORR/MUDL/GOIRA websites, executive dashboard for transparency and information dissemination. 4. vulnerability, scoring, eligibility, dependency, profiling analytics and report generation. 	30%
PHASE - 3	<ol style="list-style-type: none"> 1. Technology based registry systems maintenance, usage and upgrade capacity development and training for government registration staff. 2. Handover of the registry network systems, the database server system and configured machine learning database to government for scale-up at national level. 	30%
EXIT	EXIT REPORT – SYSTEMS MAINTENANCE MANUAL	10%

VII. Travel & Logistics

International Travel

The cost of a return economy class air-ticket from the place of recruitment on least-cost, and visa fee will be reimbursed upon submission of travel claim together with the supporting documents including a copy of e-ticket, receipts and used boarding passes. Three quotations from reputable travel agents shall be submitted for UN-Habitat's clearance before purchase of tickets.

Local Transportation

Local transportation around Kabul and to the provinces will be arranged and covered by UN-Habitat.

Travel Advice/Requirements:

The **INFORMATION MANAGEMENT SYSTEMS DEVELOPER** must abide by all UN security instructions. Upon arrival he/she must attend a security briefing provided by UN-Habitat Security section. He/she should undertake Basic and Advanced Security Training as prescribed by UNDSS. Regular missions will be undertaken for which UNDSS authorization must be sought.

Reporting Arrangements: Consultant will report results to the Program Manager for program deliverables and Overall to the Country Programme Manager for UN-Habitat in Afghanistan.

How to Apply:

The application should comprise:

- Completed UN Personal History Form (P11). Please download the form (MS- Word) from UN-Habitat/ROAP-vacancy website: www.fukuoka.unhabitat.org
- A Statement of Interest (cover letter) for the position
- Summary CV (maximum 2 pages), indicating the following information:
 1. Educational Background (incl. dates)
 2. Professional Experience (assignments, tasks, achievements, duration by years/ months)
 3. Other Experience and Expertise (e.g. Internships/ voluntary work, etc.)
 4. Expertise and preferences regarding location of potential assignments
 5. Expectations regarding remuneration

All applications should be submitted to:

UN-Habitat Regional Office for Asia and the Pacific
ACROS Fukuoka, 8th Floor
1-1-1 Tenjin Chuo-ku, Fukuoka, 810-0001 Japan
habitat.fukuoka@un.org

Please indicate the Post Title: “**VA 5. INFORMATION MANAGEMENT SYSTEMS DEVELOPER**” in your e-mail subject.

Please note that applications received after the closing date stated below, will not be given consideration. Only short-listed candidates whose applications respond to the above criteria will be contacted for an interview. The fee will be determined according to the qualifications, skills and relevant experience of the selected candidate. In line with UN-Habitat policy on gender equity, applications from female candidates will be particularly welcome.

Deadline for applications: 25th Oct 2020

Due to a large number of applications expected, only short-listed candidates will be contacted. The United Nations shall place no restrictions on the eligibility of men and women to participate in any capacity and under conditions of equality in its principal and subsidiary organs. (Charter of the United Nations - Chapter 3, article 8).