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General information

a. Brief information on the project

The Support to Public Financial Management and Financial Market (FFM) Project in Iraq is a multi-donor action commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ), co-funded by the European Union (EU) and implemented by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

The government of Iraq has defined comprehensive reform measures to embark on an inclusive development path based on stable and accountable institutions. The aim is to diversify domestic revenue mobilization from near complete dependence on Oil Revenue. To this end, the Project is supporting the government's effort to modernize the non-oil domestic revenue generation system through institutional and human capacity development.

The FFM program has four components and the Fiscal Reform Component is the conduit through which the program is supporting the Government of Iraq to modernize the non-oil revenue mobilization system. The aim is to support the establishment of a transparent and accountable revenue generation system that is capable of mobilizing revenue in a fair manner for service delivery to the citizens, especially the vulnerable women and children who are mostly affected by the prolonged conflict.

In addition, the FFM Program through its component one will support some key counterparts namely, the Finance of Finance (MoF), the General Commission of Taxes (GCT) and the Iraq Customs Authority (ICA). The Program supports the government in doing political analysis based on the following: (i) the economic and social effects of a particular tax type and how it can influence the political atmosphere in the country, (ii) careful analysis of how the imposing of a particular tax can lead to changing political landscape and support, and (iii) evidence-based revenue projections methodologies developed to scientifically estimates the resource envelop to meet the overall budgets and avoid fiscal distortion in the fiscal year budget and resource allocation.

Overall, this multi-donor action puts emphasis on developing the long-term abilities of its partners such as the Ministry of Finance, General Commission of Taxes, and Iraq Custom Authority. Particular focus is placed on the key revenue-generating institutions and other non-

oil revenue-generating departments and commissions with strong potential for transforming the revenue base from near complete dependence on oil revenue to non-oil revenue.

b. Context

The objective of this mission is to do an exhaustive analysis of the programming elements underlying the Iraqi Ministry of Finance's official website, with a focus on key technical aspects that influence its functionality, maintainability, and performance. The scope of the analysis will include, but not be limited to:

- **Codebase Examination:** Review the website's source code, including MS Sharepoint, HTML, CSS, JavaScript, and any server-side programming languages (e.g., PHP, Python, ASP.NET), to assess its structure, organization, and adherence to best practices.
- **Framework and Libraries Assessment:** evaluate the use of frameworks, libraries, and third-party dependencies within the website's codebase to determine their impact on performance, security, and scalability. This includes assessing the compatibility of frameworks with industry standards and guidelines.
- **Database Architecture Review:** examine the database architecture and data storage mechanisms employed by the website, assessing their efficiency, scalability, and resilience. This includes evaluating data normalization, indexing strategies, and database optimization techniques.
- **Performance Profiling:** analyze the website's performance metrics, including page load times, server response times, and resource utilization, to identify potential bottlenecks, inefficiencies, and areas for optimization.
- **Security Vulnerability Scanning:** conduct a security vulnerability scan to identify potential security weaknesses in the website's programming, such as SQL injection, cross-site scripting (XSS), and other common vulnerabilities. We will provide recommendations for mitigating these vulnerabilities and enhancing the website's security posture.

c. GIZ shall hire the consultant for the anticipated contract term, from 01.07.2024 to 25.09.2024.

d. The consultant shall provide the following work/service:

- **On-site 10-day mission:** the contractor or the expert should be in Iraq for a 10-day mission to do the website technical analysis for the Iraqi Ministry of Finance official website escorted by the technical team of The MoF -Directorate of IT.
- **Desk review 5-day mission:** to prepare a detailed technical report of a minimum of 10 pages (250 words per page) in both Arabic and English which should include:
 - **Executive Summary:** A concise overview of key findings, highlighting critical areas for improvement and optimization.
 - **Codebase Analysis:** A detailed assessment of the website's programming elements, including code quality, framework usage, and database architecture.
 - **Performance Profiling Results:** An analysis of the website's performance metrics, along with recommendations for optimizing performance and scalability.

- **Security Vulnerability Report:** A list of identified security vulnerabilities, their severity ratings, and recommended remediation measures.
- **Recommendations for Improvement:** Actionable recommendations for enhancing the website's programming, security, and overall performance, accompanied by implementation guidelines and best practices.

Tender requirements

1. Qualifications of proposed staff

1.1. Expert 1:

1.1.1. General qualifications

Education: A minimum BCh degree in IT, a Master's degree, or MBA is an advantage.

Professional experience: Minimum 10 years of experience in website development with strong experience in MS Sharepoint, HTML, CSS, JavaScript, and any server-side programming languages (PHP, Python, ASP.NET)

1.1.2. Language skills

Business fluency in Arabic as a programmer with the ability to explain and develop front-end and Back-end applications in Arabic

2. Specification of inputs

Fee days	Number of experts	Number of days per expert	Comments
• On-site Mission	1	10	10-day mission to do the website technical analysis
• Office Review	1	5	Desk review 5-day mission to prepare a detailed technical report
Travel expenses	Number of experts	Number of days/nights per expert	Comments
• Per-diem allowance in the country of assignment (If required).	1	10	According to GIZ regulaton

• Overnight allowance in the country of assignment	0	0	
• Travel costs (train, private vehicle)	0	0	Using of GIZ LP
Flights	Number of experts	Number of flights per expert	Comments
• International flights (If required)	1	2	Flight from the country of the expert t to Baghdad and back home up to 550 USD Total
Other costs	Number of experts	Amount per experts	Comments
• Flexible remuneration	1	500	A budget of 1000 USD is foreseen for flexible remuneration. Please take this budget into account in your price schedule. Use of the flexible remuneration item requires prior written approval from GIZ.

3. Fixed lump sum price – contract for work

- Not Applicable.

4. Requirements on the format of the tender

The CV submitted for each expert can have a maximum of four pages. The **concept** (if required) should not exceed five pages. If one of the maximum page lengths is exceeded, the content appearing after the cut-off point will not be included in the assessment. External content (e.g. links to websites) will also not be considered.