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| **Title** Senior Java Enterprise Edition (JEE) Developer | | **Funding Code** | | **Type of engagement**  Individual Contractor | | | **Duty Station:**  Amman/Jordan | |
| **Purpose of Activity/Assignment:**  The purpose of this consultancy is to support the maintenance and upgrade of MIS solutions supported by UNICEF. | | | | | | | | |
| **Background/ Scope of Work:**  UNICEF is a leading humanitarian and development agency working globally for children rights. Child rights begin with safe shelter, nutrition, protection from disaster and conflict and traverse the life cycle. UNICEF strives to ensure that all children are born alive, stay safe and keep learning.  The Emergency Cash Transfer Project (ECTP) targets 1.5 million vulnerable beneficiary cases (over 9 million people) across all Yemen districts and governorates with unconditional cash transfers in response to the socio-economic crisis. The ECTP is being rolled out nationally by UNICEF as the executing agency, with funds and technical assistance from the World Bank through the International Development Association. Building on the experience of the ECTP, UNCIEF is now implementing other cash and voucher initiatives.  All Cash initiatives supported by UNICEF require the implementation of Management Information System (MIS) solutions that support the necessary payment delivery functionality and ensure the security of beneficiary data. The solutions rely heavily on technology and use agile methodology and open source, i.e., cloud IaaS, Linux (CentOS), Postgres, JEE, Spring, JSF, Kibana and DevOps. The poor ICT infrastructure in Yemen and especially the challenges in terms of connectivity required the use of a distributed solution running mobile-MIS that replicate the deltas to cloud based IaaS main-MIS.  The purpose of this consultancy is to support the maintenance and upgrade of MIS solutions supported by UNICEF. | | | | | | | | |
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| **Budget Year:** 2022 | **Requesting Section/Issuing Office:** PMU | | | **Reasons why consultancy cannot be done by staff:** The consultancy is meant to cover a staff going on maternity leave. The expertise is not available in UNICEF. As a result, UNICEF is recruiting a consultant to cover for eight months. | | | | |
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| **Included in Annual/Rolling Workplan***:*  Yes  No, please justify: | | | | | | | | |
| **Consultant sourcing:**  National  International  Both  **Consultant selection method:**  Competitive Selection (Roster)  Competitive Selection (Advertisement/Desk Review/Interview) | | | | | | **Request for:**  New SSA  Extension/ Amendment | | |
| **If Extension, Justification for extension:** | | | | | |  | | |
| **Supervisor: Hawi Bedasa** | | | **Start Date: August 1** | | **End Date: April 1** | | | **Number of Days (working)** |
|  | | |  | |  | | | *176* |

**TERMS OF REFERENCE FOR INDIVIDUAL CONSULTANTS AND CONTRACTORS**

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| **Work Assignment Overview** | | | |
| Tasks/Milestone: | Deliverables/Outputs: | Timeline | Estimate Budget |
| MIS maintenance and upgrade | Fully functional MIS solution, both Main-MIS and Minimal MIS as well as data exchange with other providers | Month 8 | 70% |
| Complement and update the technical documentation to meet quality standards | Full documentation of changes | Month 8 | 15% |
| Release management | The MIS is efficiently released every sprint to deliver upgrades required by the business while maintaining the integrity of the existing production environment. This includes deploying code and database changes to production | Month 8 | 15% |
| **Estimated Consultancy fee** |  |  |  |
| Travel International (if applicable) | N/A |  |  |
| Travel Local (please include travel plan) | N/A |  |  |
| DSA (if applicable) | N/A |  |  |
| **Total estimated consultancy costs[[1]](#endnote-1)** |  |  |  |
| **Minimum Qualifications required:** | **Knowledge/Expertise/Skills required:** | | |
| Bachelors  Masters  PhD  Other  Enter Disciplines | University degree (Bachelor or higher) in computer science, software engineering, and information technology. Minimum two (2) years of relevant professional experience in Software Development as JEE Developer with experience in CentOS Linux, Postgres, Java Enterprise Edition, RESTful Web Services, and Business Intelligence tools, preferably Kibana in large national or international entities.  Ability to work with a team as well as independently in a multi-cultural and gender-sensitive environment. Professional JEE certification or software development is an asset.  Fluency in English is required. Knowledge of another official UN language is an asset. | | |
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| **Administrative details:**  Visa assistance required:  Transportation arranged by the office: | Home Based  Office Based:  If office based, seating arrangement identified:  IT and Communication equipment required:  Internet access required: | | |
| **Request Authorised by Section Head** | **Request Verified by HR:** | | |
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| *Approval of Chief of Operations (if Operations): Approval of Deputy Representative (if Programme)*  *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*  *Representative*    *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* | | | |
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1. Costs indicated are estimated. Final rate shall follow the “best value for money” principle, i.e., achieving the desired outcome at the lowest possible fee. Consultants will be asked to stipulate all-inclusive fees, including lump sum travel and subsistence costs, as applicable.

   Payment of professional fees will be based on submission of agreed deliverables. UNICEF reserves the right to withhold payment in case the deliverables submitted are not up to the required standard or in case of delays in submitting the deliverables on the part of the consultant [↑](#endnote-ref-1)