
Request for Tender (RFT)

Ref# NetHope-2026-Gedo-SOM-Digital-Crisis-Monitoring-Technical-Consultancy

Trócaire invites qualified and experienced technical consultants to submit proposals for specialist support to co-design, develop, integrate, pilot, refine and institutionalise the digital components of a community-based crisis monitoring and early warning system for the Gedo region, Somalia.

Tender Release Date: 29th September 2026

Deadline for tender submission: 13th October 2026 by 05:00PM EAT

1. Introduction

Tenders are invited from qualified and experienced technical consultants and consulting firms who wish to be considered for selection as providers of specialist technical support for Trócaire Somalia's community-based crisis monitoring and early warning system initiative.

This tender document deals with:

- Section 2: Confidentiality
- Section 3: Profile of Trócaire
- Section 4: Scope of the work
- Section 5: Content and format of Tenders
- Section 6: General Terms and Conditions
- Section 7: Conflict of Interest
- Section 8: Contract Period
- Section 9: Intellectual Property (*for services contracts*)
- Section 10: Termination of Contract
- Section 11: Evaluation of Tenders
- Section 12: Submission of Tenders

2. Confidentiality

Trócaire will treat the content of all tenders as strictly confidential, and information provided in the tenders will be used solely for the purpose of deciding on the award of a contract as described in this document.

3. Profile of Trócaire

Trócaire is an international NGO and the official overseas development agency of the Catholic Church in Ireland, established in 1973. Working in up to 20 countries across Africa, Asia, Latin America, and the Middle East, Trócaire partners with local organisations to support some of the world's most at-risk communities, address the root causes of poverty and injustice, and respond to humanitarian crises. With the support of the people of Ireland, its work advances five core goals: promoting access to justice; achieving climate and environmental justice; ensuring women's and girls' protection, voice, and influence; saving lives and protecting human dignity; and mobilising the public in Ireland to advance global justice.

The Somalia Country Programme contributes to this mission through integrated health, nutrition, and resilience-building interventions in the Gedo Region. This consultancy aligns with Trócaire's commitment to accountability, transparency, and effective project management, ensuring responsible stewardship of resources in line with donor and internal compliance standards.

4. Scope of the services required

See detailed TOR in Appendix 1

5. Content and Format of Tenders

5.1. Content and Format of Tenders

To facilitate the evaluation process, tenderers are required to submit a comprehensive proposal structured in line with the sections below. While this structure should be followed, tenderers may include additional relevant documentation to support their submission.

5.2. Administrative Details

Tenderers shall provide key organisational information, including a company profile outlining history, structure, and top three current clients. Submissions must include a valid Tax Clearance Certificate, details of relevant past experience with references, and an overview of available human and technical resources. Where applicable, quality assurance documentation should be included, along with confirmation of acceptance or any comments on Trócaire's General Terms and Conditions for Procurement and Supplier Code of Conduct.

5.3. Technical Details

Tenderers must submit a detailed description of the proposed services in line with the requirements outlined in Section 4. This should include an explanation of the service delivery approach, including any subcontracting arrangements, as well as how performance will be managed.

5.4. Pricing Details

Tenderers are required to provide a clear and detailed pricing structure, inclusive/excluding VAT, along with a breakdown of applicable taxes. The proposal must also specify the validity period for the quoted prices and terms.

6. General Terms and Conditions of this RFT

- Trócaire does not bind itself to accept the lowest priced tender.
- Trócaire does not guarantee exclusivity and reserves the right to engage other companies for the same services (if required) during the term of the contract.
- Trócaire shall be free to:
 - To accept the whole, or part only, of any tender.
 - To accept none of the proposals tendered.
 - To republish this Request for Tenders.
- In the event of not accepting any of the tender submissions received on foot of this RFT, Trócaire shall be free to make such arrangements as it considers necessary in relation to the provision of the goods/services.
- Trócaire will not be liable for any costs or expenses incurred in the preparation of a tender.
- The Contract shall be considered as a contract made in Somalia, according to Somalia law and subject to the exclusive jurisdiction of the Somalia Federal Government courts.
- The Standard Procurement Terms and Conditions to which Trócaire expects all of its supplier to respect can be found here <https://www.trocaire.org/wp-content/uploads/2025/03/Trocaire-General-Terms-Conditions-for-Procurement-V4-April-2023.pdf>
- The Suppliers Code of Conduct to which Trócaire expects all of its suppliers to respect can be found here <https://www.trocaire.org/wp-content/uploads/2023/05/Trocaire-Supplier-Code-of-Conduct-V3-April-2023-EN.pdf>.

7. Conflicts of interest

Any conflict of interest involving an applicant must be fully disclosed to Trócaire. Failure to disclose a conflict may disqualify an applicant or invalidate an award of the contract. Applicants are required to declare any current or past work which might reasonably be considered to represent a conflict of interest. It will be for Trócaire to decide if a material conflict of interest exists and applicants in doubt in this regard should seek the advice of Trócaire.

8. Contract Type and Period

The contract will be a fixed-term service agreement between Trócaire and the selected service provider for the delivery of the services outlined in this Terms of Reference. The contract will be results-based, with payments linked to the satisfactory completion and approval of agreed deliverables.

The assignment is expected to take place over a short-term period in June/July 2026, with fieldwork scheduled within the months of June or July in Dollow, Somalia, and final deliverables to be submitted within an agreed timeframe thereafter.

Trócaire reserves the right to extend or amend the contract period, subject to mutual agreement, depending on project needs and performance.

9. Intellectual Property (for service contracts only)

Any concept, guidelines or other material developed during the contract will be considered the property of Trocaire and may be used by Trocaire at any time.

10. Termination of Contract

10.1 Trocaire reserves the right to terminate the contract at any stage on payment of reasonable and agreed costs accrued to the date of termination. The contract may be terminated by either party on giving appropriate written notice.

10.2 If at any stage during the contract, the goods / services delivered by the tenderer is found to be unsatisfactory, the contract may be terminated by Trocaire. In the event of such a termination, the tenderer will only be entitled to receive payment in relation to the acceptable goods / services rendered at that time.

11. Evaluation of Tenders

11.1 All service Providers should at least meet following **minimum criteria (pass/fail)**:

- All suppliers must meet the following minimum criteria to be considered for further evaluation. Failure to meet any of these requirements will result in disqualification:
- Submission of a complete tender in accordance with the required format and within the specified deadline.
- At least 3 years' demonstrated experience in 2 similar assignments.
- References from at least two clients within the past three years.
- Valid and current Tax Clearance Certificate (or equivalent).
- Availability of adequate technical and human resources to deliver the assignment.
- Acceptance of Trocaire's General Terms & Conditions of Procurement and Supplier Code of Conduct.
- Acceptance of Trocaire's Data Processing Agreement.
- Compliance with Trocaire's safeguarding, ethical, and data protection requirements, including consent procedures for content gathering.

11.2 The successful tenderer will be the one who, in the opinion of Trocaire, submits the most economically advantageous proposal applying the following **award criteria (percentage scoring)**:

The successful tenderer will be the one who, in the opinion of Trocaire, submits the most economically advantageous tender (MEAT), assessed on the basis of the criteria and weightings outlined below. Proposals will be evaluated using a combination of technical quality and cost considerations.

Award Criteria	Score %
Cost	40%
Experience in providing similar services	25%
Quality of the proposal (methodology, understanding of the assignment, and compliance with TOR)	20%
Expertise of the proposed team	10%
Scope and range of services offered	5%

The evaluation will be based on the overall weighted score. Trocaire reserves the right to seek clarifications during the evaluation process where necessary.

11.3 During the evaluation period clarification may be sought in writing from tenderers. Responses to requests for clarification may not materially change any elements of the tenders submitted.

11.4 No unsolicited communications from tenderers will be accepted or entertained during the evaluation period.

11.5 A shortlist of those who have tendered may be drawn up and a certain number of those who have tendered may be invited to make a final presentation/demo of their tender.

12. Submission of Tenders

Your proposal marked "RFT NetHope-2026- -Gedo-SOM-Digital-Crisis-Monitoring-Technical-Consultancy" should be submitted via Tenders Somalia tenders_som@trocaire.org and will be acknowledged after the deadline.

The deadline for the receipt of tenders is **05:00 EAT, on the 13th of October 2026**.

All queries relating to any aspect of this RFT must be directed via email on: procurement-som@trocaire.org.

Tenderers must ensure that they give themselves sufficient time to upload and submit all required tender documentation in their Tender before the Tender Deadline. Tenderers should consider the fact that upload speeds vary.

Tenderers are required to confirm their participation in this competition by contacting the designated Trócaire Somalia procurement focal point via the official email address provided in the tender notice. This ensures that all clarifications, responses to queries, and any updates relating to the competition are communicated directly to all registered tenderers.

Any queries relating to the tender documentation, clarification requests, or submission process should be directed to the same official contact email as specified in the tender notice.

Tenderers are responsible for ensuring that their complete tender submission is received by Trócaire before the specified deadline. Late submissions will not be accepted. Tenderers are strongly advised to submit their documents well in advance of the deadline to avoid any potential delays related to file size, internet connectivity, or transmission issues.

13. Appendices

- Appendix 1 - Standard Terms and Conditions for procurement
https://www.trocaire.org/sites/default/files/trocaire_general_tcs_for_procurement.pdf
- Appendix 2 - Suppliers Code of Conduct
https://www.trocaire.org/sites/default/files/trocaires_supplier_code_of_conduct_v2_07.2019.pdf.
- Appendix 3 – Detailed TOR

Appendix 3 – Detailed TOR

Terms of Reference for Technical Consultancy – Digitally Enabled Community-Based Crisis Monitoring and Early Warning System for Gedo Region, Somalia

1. About Trócaire

Trócaire is an Ireland-based international non-governmental organisation working with partners and communities to address poverty and injustice. Trócaire has been active in the Gedo region of Somalia since 1992, providing comprehensive, safe and inclusive humanitarian and development programming integrating health, nutrition, water, sanitation and hygiene, protection, resilience, livelihoods and basic education, with more recent expansion into Lower Juba.

Trócaire Somalia works extensively through local partners and community structures and operates in environments characterised by insecurity, humanitarian access constraints and limited connectivity. Its programming places particular emphasis on strengthening local capacities, community participation and locally led humanitarian action.

Trócaire Somalia also plays an active role in humanitarian coordination, including leadership of Area-Based Coordination mechanisms in Gedo and participation in national and regional humanitarian coordination structures.

2. Background

Communities in Gedo face recurrent and overlapping crises including drought, flooding, displacement, conflict, disease outbreaks and humanitarian access constraints. Although multiple sources of crisis information exist, information is frequently fragmented across actors and systems, limiting timely synthesis, interpretation and use for preparedness and anticipatory action.

Community-level observations can provide particularly timely intelligence on changing conditions, including population movements, coping strategies, market disruption, protection concerns, access constraints and changing livelihood conditions. However, these qualitative insights are not consistently integrated alongside quantitative monitoring information in operational decision-making.

Trócaire Somalia and partners have undertaken substantial preparatory work to address this gap. This includes development of a crisis monitoring framework, crisis indicators and trigger definitions, reporting workflows, and initial Kobo- and WhatsApp-based monitoring tools. The proposed system will combine quantitative crisis information – including displacement, nutrition, climate, conflict and humanitarian access trends – with structured qualitative insights generated through Humanitarian Access Initiative (HAI) community conversations and partner observations. HAI uses facilitated, structured conversations with diverse community groups to understand changes in local conditions from communities' own perspectives, including emerging risks, coping strategies, tensions, access constraints and other early warning signals. These insights provide contextual explanation of what is changing, why it is changing and what it may mean for communities, complementing and helping to interpret quantitative crisis data. The initiative is supported through NetHope's Connectivity+ grant and will operationalise and pilot a digitally enabled, community-based crisis monitoring and early warning system in selected programme areas of Gedo. The system will use offline-capable mobile reporting, Power Business Intelligence dashboards, Geographic Information System-enabled visualisation and structured qualitative analysis to strengthen the flow of information from communities and frontline actors to operational decision-makers.

A distinctive feature of the initiative is its ambition to explore how Artificial Intelligence and Application Programming Interfaces can responsibly support the extraction, preparation and synthesis of qualitative information from internal and external sources, while maintaining human verification and interpretation. The project is intentionally designed as a lightweight and sustainable approach that builds upon existing technologies, systems, partnerships and operational workflows rather than creating a complex standalone technology platform. The system will be operationalised and piloted within a six-month project period. Given this timeframe, the consultancy must prioritise rapid development, testing and operational use of a minimum viable system, building on the substantial preparatory work already completed rather than initiating a new design process.

3. Purpose of the Consultancy

The purpose of the consultancy is to provide specialist technical support to co-design, develop, integrate, pilot, refine and institutionalise the digital components of Trócaire Somalia's community-based crisis monitoring and early warning system **within the pilot period**.

The consultant will work collaboratively with Trócaire Somalia, local partners, Trócaire's Programme Impact and Learning and Enterprise, Systems and Technology teams, and relevant end users.

The consultancy is not intended simply to produce a Power Business Intelligence dashboard. It should establish a practical end-to-end information flow through which relevant quantitative and qualitative

crisis information can be efficiently captured or sourced, structured, analysed, visualised and interpreted to support preparedness, anticipatory action and operational decision-making.

4. Specific Objectives

1. Translate the existing crisis monitoring framework into a practical digital architecture, connecting agreed indicators, data sources, triggers and reporting workflows.
2. Develop and iteratively refine a user-friendly Power Business Intelligence dashboard integrating crisis indicators, trends, Geographic Information System-enabled hotspot mapping and agreed early-warning triggers.
3. Strengthen integration between existing Kobo- and WhatsApp-based reporting processes (messaging & audio) and dashboard workflows, with particular attention to offline and low-bandwidth operating environments.
4. Develop a practical mechanism for integrating structured qualitative community insights and partner observations alongside quantitative crisis information.
5. Assess and, where technically appropriate and feasible, prototype the use of Artificial Intelligence and Application Programming Interfaces to support extraction, structuring, synthesis and preparation of relevant qualitative information from internal and external sources.
6. Ensure appropriate data quality, responsible data management, information security, Artificial Intelligence safeguards and human verification processes are incorporated into the system.
7. Build the capacity of Trócaire and partner staff to independently operate, interpret, maintain and adapt the system.
8. Document the system architecture, learning and reusable components to support sustainability, replication and potential wider organisational and humanitarian-sector use.

5. Scope of Work

The consultancy will comprise the following interconnected work packages.

Work Package 1: Inception, Requirements Analysis and Co-design

The consultant will:

- review the existing crisis monitoring framework, indicator and trigger definitions, data-source mapping, reporting workflows, Kobo and WhatsApp tools, dashboard mock-ups and relevant project documentation;
- consult Trócaire Somalia Programme, monitoring and learning, and information and communications technology staff, local partners and relevant Trócaire global technical staff;
- clarify primary dashboard users, decisions to be supported, information requirements and user needs;
- map the proposed end-to-end information flow from data source through analysis, visualisation and operational use;
- assess existing digital infrastructure, connectivity constraints and technical capacities;
- identify technical, operational, data-quality, security and sustainability risks; and
- develop and validate detailed functional and technical requirements and an agreed implementation plan.

The consultant should build on the substantial design work already undertaken rather than repeat earlier assessment and design processes unnecessarily.

Work Package 2: Data Architecture and Integration

The consultant will design and configure a lightweight data architecture capable of bringing together relevant information from the crisis monitoring framework. This should include, as appropriate:

- Kobo-based monitoring data;
- WhatsApp-based reporting;
- relevant Trócaire and partner programme monitoring data;
- structured community conversation findings and partner observations;
- agreed secondary quantitative datasets;
- relevant external qualitative information;
- Geographic Information System information; and
- agreed crisis indicators and trigger thresholds.

The architecture should minimise unnecessary manual consolidation while remaining proportionate, maintainable and appropriate to low-connectivity environments. The consultant will document data flows, transformation processes, source definitions, update frequencies and dependencies.

Work Package 3: Power Business Intelligence Dashboard and Geographic Information System Visualisation

Working from existing dashboard mock-ups and agreed user requirements, the consultant will develop and iteratively refine a simplified Power Business Intelligence dashboard. The dashboard should, as appropriate:

- display priority crisis indicators and trends;
- visualise changes over time;
- incorporate agreed trigger thresholds and alerts;
- enable Geographic Information System-enabled hotspot mapping;
- visualise aggregated population movement and geographic spread;
- enable users to examine relevant quantitative and qualitative evidence together;
- support appropriate filtering by geography, period and other agreed dimensions; and
- present information in a form that supports rapid interpretation and operational decision-making.

Dashboard design should prioritise simplicity, usability and decision-use over unnecessary technical complexity.

Work Package 4: Artificial Intelligence-Assisted Qualitative Analysis and External Data Integration

A key area for technical exploration will be how Artificial Intelligence and Application Programming Interfaces can responsibly reduce the manual effort required to prepare relevant qualitative crisis information for analysis and visualisation.

Internal qualitative information

The consultant will assess and, where feasible, prototype approaches for processing structured or semi-structured information generated through:

- Humanitarian Access Initiative community conversations;
- community monitor reporting;
- partner observations;
- field monitoring notes; and
- other agreed internal qualitative sources.

The aim is to explore whether Artificial Intelligence can assist with tasks such as categorisation, thematic coding, summarisation, identification of emerging patterns or changes over time, geographic tagging and preparation of structured outputs suitable for Power Business Intelligence.

External crisis information

The consultant will assess options for systematically retrieving and processing relevant information from external sources identified within the crisis monitoring framework, which may include:

- online humanitarian information sources;
- publicly available reports and Portable Document Format documents;
- webpages;
- relevant datasets; and
- other agreed secondary sources.

Where feasible, the consultant should explore the use of Application Programming Interfaces or other appropriate automated processes to reduce manual retrieval and preparation.

The objective is not automated humanitarian decision-making. Any Artificial Intelligence-supported process must retain source traceability and enable appropriate human review, verification and interpretation before outputs inform operational decisions.

The consultant should clearly distinguish between functionality that can realistically be operationalised within the project period and functionality better recommended for subsequent development.

Work Package 5: Data Governance, Responsible Artificial Intelligence and Quality Assurance

The consultant will work with Trócaire to ensure that the system incorporates appropriate safeguards relating to:

- data protection and confidentiality;
- data minimisation;
- role-based access and permissions;
- information security;
- data quality and validation;
- source attribution and traceability;
- management of sensitive community-generated information;
- Artificial Intelligence-generated summaries or classifications;
- identification and management of potential bias or inaccurate Artificial Intelligence outputs; and
- appropriate human oversight and approval.

Attention must be paid to the risks associated with processing qualitative information concerning conflict, protection, displacement or other potentially sensitive issues. Artificial Intelligence will support, rather than replace, humanitarian analysis, community interpretation or operational judgement.

Work Package 6: Pilot, Testing, Learning and Refinement

The consultant will support piloting of the system with Trócaire Somalia and participating partners. This will include:

- user acceptance testing;
- testing data flows and refresh processes;
- validation of dashboard outputs against source information;
- testing agreed trigger functionality;
- assessing usability under realistic connectivity conditions;
- identifying technical and operational bottlenecks;
- collecting structured user feedback;
- supporting troubleshooting during the pilot; and
- iteratively refining the system based on pilot experience.

The consultant will participate in structured reflection and learning processes to assess not only whether the technology functions, but whether it improves the timeliness, accessibility and usefulness of crisis information for operational decision-making.

Work Package 7: Capacity Strengthening, Documentation and Handover

Sustainability and local ownership are core requirements of the consultancy. The consultant will:

- train designated Trócaire and partner users;
- provide additional administrator-level training to designated system administrators;
- provide practical coaching during the pilot period;
- develop concise user and administrator guidance;
- document system architecture, data models, integrations, configurations and maintenance requirements;
- transfer agreed source files, dashboard files, configurations and technical documentation;
- support final system handover; and
- make recommendations regarding maintenance, future development and potential scale-up.

Training should prioritise practical knowledge transfer and the ability of Trócaire Somalia and its partners to independently manage routine system operation after completion of the consultancy.

6. Approach and Methodology

The consultancy will use a participatory, user-centred and iterative co-design approach. The consultant is expected to work closely with Trócaire and partner end users throughout the assignment rather than develop the system independently and present a finished product at the end.

The methodology should include:

- inception and requirements validation;
- iterative prototyping;
- regular demonstrations and review points;
- user testing;
- pilot implementation;
- structured feedback and adaptation;
- capacity strengthening and coaching; and
- final documentation and handover.

The consultant's technical proposal should describe the proposed system architecture, tools and technologies, approach to integration and automation, Artificial Intelligence and Application Programming Interface options, data governance arrangements, quality assurance, risk management and approach to sustainability.

Where several technical solutions are possible, the consultant should assess options against functionality, cost, maintainability, data protection, connectivity requirements, interoperability, existing Trócaire systems and the capacity of Trócaire and partners to sustain them.

The methodology must demonstrate how functional components will be developed and deployed early enough to allow meaningful real-world testing, learning and refinement before final handover. The approach should prioritise essential functionality and rapid iterative development over attempting to deliver an overly complex system within the available timeframe.

7. Expected Deliverables

Deliverable 1 – Inception and Technical Design Report

- validated functional and user requirements;

- agreed technical architecture;
- end-to-end data-flow map;
- detailed workplan and milestones;
- stakeholder engagement and co-design approach;
- assessment of Artificial Intelligence and Application Programming Interface opportunities;
- data governance and security considerations; and
- key risks, assumptions and mitigation measures.

Deliverable 2 – Functional Prototype Dashboard

A first functional version of the Power Business Intelligence dashboard incorporating agreed priority indicators, visualisations, Geographic Information System functionality, trigger logic and initial qualitative information integration.

Deliverable 3 – Integrated Digital Monitoring Workflow

Configured and documented workflows connecting agreed digital reporting and data sources to the dashboard, including Kobo and other agreed sources.

Deliverable 4 – Artificial Intelligence and External Data Integration Prototype

A documented prototype or proof of concept demonstrating feasible approaches to preparing qualitative information from selected internal and/or external sources for integration into the crisis monitoring workflow.

The output should include recommendations identifying which elements are suitable for immediate operationalisation and which should form part of future development.

Deliverable 5 – Pilot Dashboard and System

A refined operational version incorporating findings from user testing and pilot implementation.

Deliverable 6 – Capacity Strengthening Package

- training for Trócaire and partner users;
- administrator training;
- user guidance;
- administrator guidance; and
- practical system maintenance documentation.

Deliverable 7 – Final Technical, Learning and Handover Package

- final dashboard files;
- system architecture and data-flow documentation;
- configurations and agreed source files;
- data dictionaries/metadata;
- trigger logic documentation;
- Artificial Intelligence and Application Programming Interface documentation where applicable;
- data governance recommendations;
- summary of pilot learning and recommended future improvements;
- sustainability and scale-up recommendations; and
- anonymised crisis monitoring framework schema and reusable Power Business Intelligence dashboard templates suitable for wider sharing, subject to Trócaire approval.

8. Indicative Timeline

The consultancy will operate within a fixed three-month project period. The workplan must therefore front-load inception and prototype development, allowing sufficient time for operational piloting, user feedback, refinement, capacity strengthening and handover before project closure. Applicants should propose a detailed workplan showing the level of effort required for each stage. The anticipated sequencing is:

Phase	Indicative activity
1. Inception	Document review, stakeholder consultation, requirements validation and technical design
2. Prototype development	Data architecture, integrations and initial dashboard development
3. Technical exploration	Artificial Intelligence/Application Programming Interface prototyping and qualitative information workflow
4. Pilot	User testing, deployment, troubleshooting and iterative refinement
5. Capacity strengthening	Training, coaching and administrator preparation

6. Finalisation and handover

Final system, documentation, learning, sustainability recommendations and handover

Exact dates and milestones will be agreed with the successful consultant during inception.

9. Management, Reporting and Coordination Arrangements

The consultant will work under the overall management of Trócaire Somalia, with technical engagement from relevant Trócaire Somalia Programme, monitoring and learning, and information and communications technology staff.

The assignment will also involve close collaboration with participating local partners, including the Centre for Research and Integrated Development and Somalia Humanitarian Relief Agency, and relevant Trócaire global Programme Impact and Learning and technology colleagues.

Regular technical review meetings will be held during the consultancy. Major deliverables will be reviewed and approved by Trócaire before progression to subsequent stages. The consultant will be expected to maintain close communication with designated Trócaire and partner focal points throughout co-design, development, testing, piloting, training and handover.

10. Safeguarding, Data Protection and Ownership

The consultant and any team members will be required to comply with Trócaire's safeguarding, data protection, information security, security and Code of Conduct requirements.

All project data, dashboard files, configurations, documentation, code and other outputs produced under the consultancy will be provided to Trócaire as part of the final handover, subject to the intellectual property provisions established in the consultancy contract. No project data or outputs may be shared externally without prior written approval from Trócaire.

Particular care must be taken regarding community-generated qualitative information and information relating to conflict, protection, population movement or other potentially sensitive issues.

11. Required Consultant Expertise

Essential

- Demonstrated experience developing Power Business Intelligence dashboards and decision-support systems.
- Strong experience in data architecture, data modelling, automation and integration of multiple data sources.
- Demonstrated experience developing and managing Application Programming Interfaces (APIs), automated data pipelines, backend systems and multi-source data integrations.
- Experience with Kobo Toolbox/Kobo Collect or comparable humanitarian digital data-collection platforms.
- Experience with Geographic Information System-enabled mapping and geospatial data visualisation.
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- Practical experience applying Artificial Intelligence or natural-language processing to qualitative/textual information, including appropriate quality-control and human-review mechanisms.
- Experience developing digital systems for humanitarian, development or other complex operational environments.
- Understanding of humanitarian information management, monitoring systems and operational decision-making.
- Strong understanding of data protection, information security and responsible data management.
- Demonstrated experience in user-centred design, user testing and translating complex technical information into practical tools for non-technical users.
- Experience delivering user training, knowledge transfer, technical documentation and system handover.

Desirable

- Previous experience working in Somalia or comparable fragile and conflict-affected environments.
- Experience designing systems for low-bandwidth or intermittent-connectivity environments.
- Familiarity with humanitarian early warning, crisis monitoring or anticipatory action systems.
- Experience with community-based or qualitative monitoring approaches.
- Understanding of humanitarian cluster or inter-agency information-management systems.
- Experience with Microsoft Power Platform, cloud technologies, and related low-code solutions for developing, integrating, deploying, and maintaining digital systems and automated workflows.
- Experience integrating WhatsApp or comparable messaging platforms into data workflows.

- Experience using version control and DevOps practices to support deployment, maintenance and ongoing enhancement of digital systems and data workflows.

12. Application Requirements

Interested consultants/consultancy firms should submit:

- a technical proposal demonstrating understanding of the assignment and proposed approach;
- a detailed methodology addressing the scope of work above;
- a proposed technical architecture and approach to Power Business Intelligence, data integration, Artificial Intelligence and Application Programming Interfaces;
- a detailed workplan and proposed level of effort;
- a financial proposal with clear cost breakdown;
- curriculum vitae of the consultant(s) proposed;
- details of roles where a consultancy team is proposed;
- examples of at least two relevant previous assignments, preferably including dashboard/data-system development;
- references for comparable assignments; and
- proposed availability during the implementation period.

The technical proposal should clearly identify what the applicant considers feasible within the available timeframe and budget, including any functionality they recommend be piloted or prototyped rather than fully operationalised during the consultancy.

Selection will consider relevant technical experience, understanding of the humanitarian use case, quality and practicality of the proposed methodology, approach to sustainability and knowledge transfer, experience with responsible Artificial Intelligence and data governance, ability to deliver within the required timeframe, and value for money.