

iRise Hub

CALL FOR TENDER

AI-Enabled Somalia Drought Response Dashboard

Reference	IRH-DROUGHT-AI-2026-059	Duration	3 months from contract signing
Currency	USD only	Submission Deadline	Day 3 from publication, 1:00pm EAT
Submit To	Ali@irisehub.so	Copy	hello@irisehub.so

1. Background and Objectives

iRise Hub seeks one legally registered technology firm to design, build, deploy, and hand over an AI-enabled drought response dashboard within a fixed three-month period. The platform will address gaps in existing global dashboards by integrating local government and community response data with global feeds and by generating locality-level risk and response alerts for government bodies, humanitarian agencies, and partners.

The selected vendor will coordinate with the Level4 pilot design team on long-term governance and hosting arrangements.

The assignment has five core objectives:

- Develop an AI-enabled drought forecast model that fuses global indicators such as rainfall, vegetation, food security, market prices, and other relevant climate and humanitarian data with verified local data.
- Build a data integration layer for WFP, World Bank, FAO, FEWS NET, and local Somali data sources.
- Deliver an interactive dashboard with locality risk views, response mapping, and trigger alerts.
- Develop a configurable alerts engine for email, SMS, WhatsApp, and dashboard notifications.
- Provide secure cloud infrastructure, full documentation, staff training, and handover to iRise Hub.

2. Scope of Work: Three-Month Assignment

Month 1: Inception, Architecture, and Data Integration

- Confirm requirements with iRise Hub and relevant stakeholders.
- Deliver the inception report, solution architecture, data model, API specification, security plan, and hosting plan.
- Build connectors to WFP, World Bank, FAO, FEWS NET, and at least three local sources.
- Implement ETL pipelines with data quality checks and traceability.
- Release dashboard version 1 by the end of Month 1.

Month 2: AI Model and Alerts Engine

- Train and validate a drought forecast model using the 2011, 2017, and 2022 to 2024 drought cycles.
- Document model assumptions, input features, validation method, and performance.
- Build an alerts engine with configurable thresholds and audit logs.
- Integrate alert channels for email, SMS, WhatsApp, and dashboard notifications.
- Release dashboard version 2 with integrated AI and alerts.

Month 3: Hardening, Documentation, and Handover

- Conduct penetration testing and resolve all critical and high findings before final acceptance.

- Deliver user, administrator, and developer documentation.
- Train at least four iRise Hub staff members.
- Transfer source code, infrastructure as code, credentials, accounts, and operational procedures.
- Submit a Year 2 and Year 3 sustainability/run-rate plan and obtain final acceptance sign-off.

3. Deliverables and Milestones

Deliverable	Due By
Inception report, architecture, data model, API specification, and security plan	End of Week 2
Data integration to WFP, World Bank, FAO, FEWS NET, and local feeds; dashboard v1 live	End of Month 1
AI drought forecast model v1 with validation; alerts engine integrated	End of Month 2
Dashboard v2, penetration test closed, and full documentation delivered	Mid Month 3
Staff training, source code and infrastructure handover, sustainability plan, and final sign-off	End of Month 3

4. Eligibility and Mandatory Submission Requirements

The following requirements are harmonized with the Tender Advertisement Notice and apply to all bidders:

- The bidder must be a legally registered firm with at least one year of trading history.
- The bidder must demonstrate proven experience in at least one AI or machine learning project related to climate, food security, or humanitarian response.
- The bidder must demonstrate at least one completed project in Somalia or a comparable fragile context.
- The bidder must provide a valid company profile and business registration/license.
- The bidder must submit a stamped financial quotation, including Salaam Somali Bank account details.
- The bidder must provide evidence of previous contracts or relevant similar projects.
- The bidder must submit CVs of key technical and management staff, including engineers and senior management.
- The bidder must provide a tax compliance certificate or equivalent, where available.
- The bidder must not have any conviction for fraud, corruption, sanctions breaches, or similar misconduct and must not appear on UN, World Bank, OFAC, or EU sanctions lists.
- The bidder must be able to invoice in United States Dollars and deliver the full scope within three months.

5. Technical Requirements

- Cloud-first architecture with infrastructure as code.
- Open standards including REST, JSON, CSV, and GeoJSON.
- Maintained engineering stack such as Python, TypeScript, Node.js, and React.
- Database architecture using MongoDB and/or PostgreSQL with PostGIS for geospatial data management, as appropriate.
- OIDC authentication and role-based access control.
- OpenTelemetry logging, metrics, and tracing.
- Data residency plan favouring Somalia or East Africa hosting where feasible.
- Personal data protection aligned with Somali law and applicable donor requirements.
- Code repository, deployment scripts, and related technical assets transferable to iRise Hub at no extra cost.

6. Submission Requirements

Bidders must submit two separate password-protected files: one technical proposal and one financial proposal. Files must be emailed to Ali@irisehub.so with copy to hello@irisehub.so.

Email subject line: IRH-DROUGHT-AI-2026-059 - [Bidder Name]

Submission deadline: Day 3 from publication, 1:00pm EAT. Passwords must be sent only after the deadline and only upon request from iRise Hub.

Technical Proposal

- Signed cover letter, maximum two pages.
- Company profile, ownership details, valid business registration/license, and other statutory documents.
- Evidence of at least one relevant AI or machine learning project in climate, food security, or humanitarian response.
- Evidence of at least one completed project in Somalia or a comparable fragile context.
- Evidence of previous contracts or relevant similar projects, including at least one contactable client referee.
- Solution architecture, data flows, AI approach, and risk register, maximum twenty pages.
- Three-month work plan with weekly granularity aligned to the milestone table.
- Named team with CVs and time allocation for key technical and management staff, including engineers and senior management.
- Quality assurance, security, and data protection plan.
- Sustainability and handover plan.
- Tax compliance certificate or equivalent, where available.

Financial Proposal

- Stamped financial quotation including Salaam Somali Bank account details.
- All amounts must be in United States Dollars. Bids in any other currency will be rejected.
- The budget must be itemised by work package and milestone.
- Daily or monthly rates per role must be included.
- Cloud and third-party costs must be separated from professional fees.
- Taxes and statutory charges must be stated clearly.
- The financial offer must remain valid for 60 days from submission.

7. Evaluation Criteria

Technical Criterion	Weight
Experience in AI for climate or humanitarian response	20
Experience in Somalia or fragile contexts	10
Technical solution and architecture	20
AI methodology and validation approach	15
Project management and team strength for three-month delivery	15
Sustainability and handover plan	10
Security, data protection, and risk management	10
Technical pass mark	70/100
Combined score	70% technical + 30% financial. Lowest compliant USD bid receives full financial marks.

8. Tender Timeline

Activity	Timing
Publication of tender	Day 0
Deadline for written questions from bidders	Day 1, 12:00 EAT
iRise Hub responses circulated to all known bidders	Day 1, 18:00 EAT
Submission deadline for technical and financial files	Day 3, 1:00pm EAT
Technical evaluation completed	Day 4
Financial opening and award notification	Day 5
Contract signing	Day 6
Project kickoff	Day 7

9. Contracting Terms: Summary

- The contract will be a fixed-price contract in USD with milestone-based payments tied to the deliverables in Section 3.
- All intellectual property in code, models, data, and documentation will transfer to iRise Hub on final acceptance. The vendor may retain a perpetual non-commercial reuse licence.
- Liquidated damages will apply at 1% of contract value per week of delay, capped at 10%.
- Either party may terminate for convenience with 14 days notice.
- Disputes will be resolved by mediation in Mogadishu or Nairobi and, if unresolved, by arbitration under recognised rules.
- The vendor must comply with iRise Hub safeguarding, anti-fraud, data protection, and donor compliance policies.

10. Contact and Bidder Acknowledgement

Primary contact: Ali@irisehub.so. Copy: hello@irisehub.so. Issued by iRise Hub, Mogadishu, Somalia.

Bidders must return the signed acknowledgement page with their submission.

Field	Bidder Response
Bidder / Firm Name	
Country of Registration	
Authorized Representative	
Title / Position	
Contact Email	
Contact Phone	
Date	
Signature	

Authorised for issue by iRise Hub

Name:	Title:	Date:	Signature:
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