TERMS OF REFERENCE (TOR) FOR THE DESIGN OF THREE VALLEY TANKS IN KUMI, KAPELEBYONG, AND AMURIA DISTRICTS

1. Background

Soroti Catholic Diocese Integrated Development Organization (SOCADIDO) is the development arm of Soroti Catholic Diocese of Soroti established in 1981 to contribute to the sustainable improvement in socio-economic development outcomes among vulnerable households in Teso sub. SOCADIDO delivers its services through Five (5) strategic areas of focus: Sustainable livelihoods, Climate change Adaptation and Mitigation, Integrated WASH, Human health and Nutrition, Social protection and land rights. The operations of the organization span the entire Teso sub region with the vision of achieving a prosperous Self-reliant and peaceful Teso.

SOCADIDO in partnership with Sign of Hope is implementing a project titled "***Building resilience of the rural population in Eastern Uganda by promoting access to WASH infrastructure and capacity development of local actors to provide it in a sustainable manner***". The project covers 3 districts of Amuria, Kapelebyong and Kumi targeting 10,800 Households translating to 64,000 direct beneficiaries.

The project's general focus seeks to improve the resilience of neglected rural communities in Teso region, contributing to the SDG 6; which focuses on ensuring the availability and sustainable management of water and sanitation for all people globally.

The project seeks to achieve the following three specific objectives;

1. Improved access to clean and safe water among 10,800 target households.
2. Improved access to and use of hygiene and sanitation facilities.
3. Improved WASH governance and coordination among stakeholders

As part of the resilience building effort under the project, SOCADIDO, in collaboration with relevant stakeholders, intends to design and develop three valley tanks in Kumi, Kapelebyong, and Amuria Districts, specifically in Acowa Sub-County (Obur Central Village), Nyero (Check-Check), and Ogolai Sub-County (Ajonai Village). The valley tanks will serve as water reservoirs for production purposes, particularly livestock watering, to enhance climate resilience and support sustainable livelihoods. Each valley tank is planned to have a capacity of 30,000 cubic meters.

2. Objective of the Assignment

The primary objective of this assignment is to develop comprehensive engineering designs, technical specifications, and cost estimates for the construction of the three valley tanks. The design should ensure sustainability, efficiency, and resilience to climatic variability.

3. Scope of Work

The consultant/firm shall undertake the following tasks:

3.1 **Site Assessment and Feasibility Study:**

- Conduct topographical, geotechnical, and hydrological surveys at the three proposed sites.
- Assess soil composition, infiltration rates, and suitability for excavation and water retention.
- Determine the water catchment potential and seasonal variations.
- Identify potential environmental and social impacts and propose mitigation measures.

3.2 **Hydraulic and Structural Design:**

- Develop detailed engineering drawings and designs for the valley tanks, including embankment structures, inlet and spillway systems, and silt traps.
- Design appropriate water abstraction and distribution mechanisms for livestock use.
- Integrate provisions for water quality management and sedimentation control.
- Ensure structural integrity and resilience against potential flood events.

3.3 **Technical Specifications and Cost Estimates:**

- Develop detailed technical specifications for materials, construction methods, and quality control measures.
- Provide bill of quantities (BoQ) and detailed cost estimates for each valley tank.
- Prepare a phased implementation plan with an estimated construction timeline.

3.4 **Environmental and Social Considerations:**

- Conduct a quick scan on Environmental and Social Impacts to identify key risks and recommend mitigation strategies.
- Ensure that designs comply with relevant national and international environmental guidelines.

3.5 **Capacity Building and Stakeholder Engagement:**

- Engage local government authorities, community members, and other stakeholders in the design process.
- Provide recommendations for community-based maintenance and management models.

4. Deliverables

The consultant/firm shall deliver the following outputs:

- Inception report detailing methodology, work plan, and initial findings.
- Site assessment and feasibility report, including survey findings and hydrological data.
- Detailed engineering designs and drawings (AutoCAD format and hard copies).
- Technical specifications, Bill of Quantities (BoQ), and cost estimates.
- Environmental and Social Impact Assessment (ESIA) report.

- Final design report incorporating stakeholder feedback.

5. Qualifications and Experience

The consultant/firm must possess the following qualifications:

- A registered engineering firm with expertise in water resources engineering, civil engineering, or related fields.
- At least 7 years of experience in designing and constructing water storage and irrigation systems.
- Proven track record in conducting hydrological and geotechnical studies.
- Experience in environmental and social impact assessments related to water infrastructure projects.
- Proficiency in CAD software and hydraulic modeling tools.
- Strong stakeholder engagement and report-writing skills.

6. Duration of the Assignment

The assignment is expected to be completed within 14 calendar days from the date of contract signing.

7. Reporting and Supervision

The consultant/firm will report to SOCADIDO's Program Manager and work in close collaboration with relevant local government authorities and technical teams.

8. Submission of Proposals

Interested and qualified consultants/firms are invited to submit detailed technical and financial proposals, including:

- Company profile and relevant experience.
- Methodology and work plan.
- Team composition and key personnel CVs.
- Financial proposal including all costs and applicable taxes.

To the address below;

Diocesan Development Coordinator, Soroti Catholic Diocese Integrated Development Organization (SOCADIDO), P.O. box 641 Soroti City, Plot 27, Serere road, or by E-mail, socadido@gmail.com. The deadline for this application is 5th /2/ 2025, 5:00pm