Terms of Reference Baseline Survey
Strengthening Animal Production and Health Services Project
Ministry of Livestock and Fisheries Development
P101-077, P101-078, P101-079 and P101-080

1. Background

The Somaliland Development Fund (SDF) was established in 2012 to provide a single vehicle through which development partners could support Somaliland's development goals. The first phase of the SDF was implemented in 2013-2018 and supported the Government of Somaliland (GoSL) filling a critical gap through funding projects that are fully aligned to the National Development Plan (NDP) while at the same time recognizing the role of GoSL in the delivery of basic services.

The Somaliland Development Fund – Phase 2 (SDF2) covers the period 2018-2024. SDF2 is conceived as an inclusive economic development programme. It supports the GoSL in delivering infrastructure that is relevant for inclusive economic development. It focuses on sustainable investments that spur job creation and fast growth, while at the same time laying the foundation for long-term resilience and development, leading to a more stable and peaceful Somaliland. SDF2's ambitions are fully aligned with government priorities as defined in Somaliland's second National Development Plan (NDP2 – 2017-2021) and reflect the priorities set out in Somaliland Vision 2030.

The objectives of the SDF2 are threefold:

- Support increased inclusive economic growth through investment in productive, strategic infrastructure to enhance economic growth and revenue generation.
- Strengthen and maintain the capabilities of the government of Somaliland to prioritise and manage the sustainable and equitable development of Somaliland's infrastructure.
- Support strong government ownership of development priorities aligned with the National Development Plan.

2. Ministry of Livestock and Fisheries Development Project

The SDF has allocated funds to the Ministry of Livestock and Fisheries Development for the implementation of the Strengthening Animal Production and Health Services Project in Togdheer and Sanaag Regions. The project intends to do institutional capacity enhancement by training ministry staff on animal production, training on research and data management, upgrading of Aroori Livestock Holding ground into Livestock Centre of Excellence and supporting the production quality animal feed by supporting the fodder producing private sector. The project will also construct a dam at Ilaan, in Sanaag region.

The project contains five major outputs:

Output 1: Capacity building

This output seeks to enhance MoLFD ability to initiate, deliver, and support the management of investments/projects. The project will provide capacity development to MoLFD to improve institutional performance and effectiveness of service delivery. Trainings to be delivered include project management and delivery, operations and maintenance and technical trainings. These

trainings will enable MoLFD to plan, implement and sustain the interventions related to fodder production, animal health and general animal production.

Output 2: Community Governance

This output seeks to improve the community level governance and management capacity through enhanced participation, inclusion, transparency, and accountability. Lessons learned from SDF1 implementation show that community engagement is critical to the success of the projects. SDF2 therefore recognizes the importance of early and continuing engagement and meaningful consultation with stakeholders therefore the project will conduct capacity assessment of the community structures and will support the development of the community engagement plans in each selected location and it will maintain and strength the communities and will provide group specific training depending on the outcome of the capacity assessment.

Output 3: Establishment of Aroori Livestock Centre of Excellence

This output seeks to convert the current Aroori Livestock Holding Ground (LHG) to Aroori Livestock Centre of Excellence. The output will mainly be implemented in Aroori and its environs. Aroori was previously a Livestock Holding Ground (LHG) and was developed under SDF1 LHG project as a pre-quarantine facility for export livestock. It is now proposed to be converted into a Livestock Centre of Excellence (LCE). The key which will be implemented in the facility include:

- Intensification of the demonstration of fodder production inputs, like seeds, irrigation equipment and continuing rangeland reseeding and planting of fodder bushes and multipurpose trees based on the own nursery
- Purchase of equipment and experimental inputs for the LCE
- Construction of additional water facilities to expand of the current ongoing fodder irrigation demonstrations

Output 4: Support to fodder production and marketing in Xaaxi and establishment of livestock water point in Ilaan

This output seeks to support the current fodder producers in Xaaxi area of Togdheer to increase the quantity, quality of the fodder and its effective marketing, hence improving their income. A minor output of the project is the construction of a livestock watering infrastructure in Ilaan area, Garadag district, Sanaag region. Apart from improved income, fodder produced from an estimated 400 ha of land, the output will contribute to the climate resilience via the soil and water conservation activities. Key activities include:

- Provision of fodder production inputs, infrastructure, and training
- Establishment of demo centre in Xaaxi
- Formulation of training modules for livestock keepers, fodder producers in various subjects and preparing the training manuals in both English and Somali
- Running ongoing extension and demonstration sessions for fodder producers

Output 5: Livestock disease surveillance, control and prevention measures improved

This output concerns improving livestock disease surveillance, control and prevention measures through mobile clinics, better epidemiological knowledge, and follow-up measures for community animal health workers (CAHW). Under this component the project will:

- Purchase three vet mobile clinics
- Purchase data surveillance equipment
- Recruitment of Disease surveillance focal points
- Conducting disease surveillance, control and prevention survey and publishing disease surveillance booklets
- Support to the MoLFD to conduct CAHW study.

3. Scope of work

The SDF2 Secretariat seeks the services of a multidisciplinary team of experts composed of individual[1] specialities to conduct a comprehensive baseline assessment for the Strengthening Animal Production and Health Services Project.

The experts are:

1. Animal Production Expert – Team Leader (This position is filled by the MoLDF-L Long term Technical Advisor)
2. Community Engagement Expert (This position is filled by SDF Community Development Expert)
3. Dry Land Irrigation Expert
4. Fodder Production Expert
5. National GIS Expert
6. National Engineer

The team will work under the overall leadership of the Animal Production Expert, who is the Team Leader (TL) of this assignment. The TL is responsible for the production and submission of all the reports for all the activities under the assignment. The team will work in consultation with the SDF Secretariat and the PMT. The baseline assessment will identify clear benchmarks (baseline information) to serve as the first measure of the current status in the project area against which the project performance/achievement will be measured.

4. Key tasks

Working under the assignment Team Leader, the team will be responsible for accomplishing the tasks outlined below:

Task 1: Assessment and design of interventions in relation to Aroori Livestock Centre of Excellence

- Assess and report (with technical support of the National Engineer) the infrastructural needs of the proposed Aroori Center of Livestock Excellency including offices, dormitories, laboratory, health centers, and other necessary facilities and their suitability to support activities proposed under output 3 of the approved project.
- Visit to similar Animal Production and Health Services Project activities implemented in Togdheer region.
- Identify and assess of the existing animal health and veterinary services and animal health services delivery systems in the project target area and identify the gaps and how these gaps can be filled through Aroori LCE.
- Identify and assess the fodder production practices in Xaaxi and Aroori and identify how the gaps can be filled through activities proposed under in Aroori LCE.
- Identify and assess livestock extension services that exist and how the existing gaps can be filled through Aroori LCE.
- Based on the findings from the assessment and in reference to the approved project proposal, design clear, quantifiable activities which can be implemented under output 3 of the project. These activities should provide a vivid picture of how the Aroori LCE should look like when complete and operational.

[1] Note the experts will be engaged as individuals and not as a team.

- With support and input to the other specialists, propose clear specification for proposed activities which can be used to engage the services of an implementation partner.

Task 2: Assessment and design of activities in relation to Animal health surveillance

- Assess the status of the animal health surveillance system already in place in Somaliland.
- Conduct meetings with stakeholders in the animal health surveillance delivery chain.
- Identify the gaps in the system that requires to be strengthened.
- Guided by the approved project proposal, recommend actions/activities which can be implemented as part of the project to complement or strengthen the activity in place.
- Assess and identify avenues for collaboration between various actors in the animal health delivery chain for foster synergies and effectiveness.

Task 3: Assessment of status of fodder production and marketing in Xaaxi and Aroori

- Assess and review the current fodder production practices in Xaaxi both rainfed and irrigated.
- Conduct assessment on the specific needs and interests of the fodder producing groups in in Xaaxi.
- Assess the challenges facing the fodder producing communities in Xaaxi and Aroori.
- Review and recommend the changes to the current practices in relation to fodder species, methods of productions, fodder storage among others etc.
- Assess current fodder storage practices in Xaaxi and Aroori surroundings including processing, storage, and quality testing.
- Identify and recommend seed varieties and appropriate technologies and forage species for target community in Xaaxi.
- With the help of GIS expert, conduct mapping of forage production in the target community in Xaaxi and Aroori (focus on the LHG).
- Propose practical ways / strategies of promoting fodder and fodder seed production and the establishment of local animal feed reserves.
- Identify market dynamics and opportunities and assess and map the supply and demand of fodder in general (Somaliland) and specially Xaaxi fodder production area.
- Assess the cost, profit, marketing, and supply and demand dynamics of the fodder production value chain.
- Recommend value chain development plan(s) that benefit fodder producing community in Xaaxi and that can lead to the improvement of their livelihoods (income increase).
- Based on the findings from the assessment and in reference to the approved project proposal, design clear, quantifiable activities which can be implemented under output 4 of the project.
- With support and input to the other specialists such as the irrigation specialist, propose clear specification for proposed activities which can be used to engage the services of an implementation partner.

Task 4: Fodder irrigation assessment

- Assess and identify the fodder irrigation methods in Xaaxi and Aroori.
- Review and assess the current irrigation status and those planned for investment in Xaaxi, including actual irrigated areas, conditions, and irrigation performance, using spatial tools such as geographic information system (GIS).
- Assess the options to rehabilitate, modernize, and expand existing fodder irrigation systems and construction of new systems, considering land, water, climate, inputs, and market factors, in collaboration with fodder production specialist.

- Recommend the most appropriate irrigation methods suitable for Xaaxi fodder producing communities.
- Based on the findings from the assessment and in reference to the approved project proposal, design clear, quantifiable activities which can be implemented under output 4 (fodder irrigation) of the project.
- With support and input to the other specialists such as the fodder specialist, propose clear specification for proposed activities which can be used to engage the services of an implementation partner.

Task 5: Assessment of community structures and community organisation

- Review and read SDF2 crosscutting issues report on Conflict Sensitivity Programming, Gender and Social Inclusion, and Environment and Social Impact Assessment assessments conducted for this project.
- Assessing village level community structures in terms of their functions and capacities guided by the participation attitude.
- Collect data on average income of households and the source of their income in the project areas and disaggregate the data by source of income, gender, age and location.
- Assess mechanism and systems in place for conflict resolution on access to land matters and other aspects and their effectiveness. and how effective they are and identify areas of improvements.
- Assess access to land by youth and women and how this can be enhanced.
- Understanding the role of women on fodder production and make recommendations on how their participation can be enhanced.
- Provide recommendations on how community structures can be better organized and trained to participate fully in the project implementation and the sustainability of the project.
- Based on the findings from the assessment and in reference to the approved project proposal, design clear, quantifiable activities which can be implemented under output 2 community engagement of the project.
- With support and input to the other specialists such as the fodder specialist, propose clear specification for proposed activities which can be used to engage the services of an implementation partner.

Task 6: GIS mapping

- Develop and design maps for the project locations (Xaaxi, Aroori and Ilaan).
- Conduct field visits to capture and map the total area of Xaaxi, Aroori and Illan major infrastructural related facilities: villages / cluster areas, schools, clinics, roads accessible by car, earth ponds, shallow wells, mosques, and produce a map of their spatial locations.
- The Maps should present the land use in the project location (Xaaxi) and the land should be classified into agricultural land, forest, rangeland, and settlements so as to understand different potentials by different parts of the land.
- Provide climatic maps and the soil maps.
- Digitize the development interventions in Xaaxi and Aroori (project area) and capture of the imageries and maps in appropriate formats.
- Provide a report for review by the mission Team Leader.

Task 7: LCE Infrastructure assessment

- Conduct visits to each of the proposed project locations in Aroori and Xaaxi to gain an understand the workings of livestock holding grounds and fodder production sites to determine the extent of action required.

- Work with the TL and assess the existing infrastructure in Aroori Livestock holding ground to determine the required infrastructure for the Livestock Centre of Excellence.
- Assess the existing water infrastructure and determine if extra water works is required for the centre.
- Conduct meetings with the other actors who have implemented similar works in Aroori LHG to obtain information on standard costs estimates for similar or comparable works.
- Based on the findings from the LCE infrastructure assessment, determine the infrastructure required by the centre – the foreseen infrastructure includes office blocks, classrooms, accommodation, and animal health units to make it an all-inclusive Livestock Centre of Excellence suitable to be able to offer the livestock keepers with quality services.
- As guided by the mission TL – draft design, specifications and BoQs for the agreed upon infrastructure which requires new construction or rehabilitation of the existing ones - office buildings, classrooms, catering, lab, accommodation, animal health facilities, and other facilities as guided by the mission TL.
- Provide tenderable package (specs, BoQ, and design) necessary under this intervention.

Task 8: provision of baseline data for the project logframe

- Based on the findings from the assessments review and update the project logframe indicators.
- Based on the findings of the assessment, provide a baseline for each of the project logframe indicators

5. Deliverables

Below is the deliverable of the assignment

Activity	By who	When
Inception report	TL with contribution from other team members	4th day
Draft feasibility and design report	TL with contribution from other team members	20th day
Updated project indicators baseline data	TL	20th day
Break to allow for comments		
Addressing of comments	Team Leader	27th day
Draft tender documents for activities under each output – 2, 3, 4 and 5	Team Leader	40th day

6. Timing and duration

- Animal Production Expert (Team Leader) – 40 days
- Fodder Production Expert – 25 days
- Irrigation Expert – 25 days
- National GIS Expert – 20 days
- National Civil Engineer – 30 days
- Community Engagement Expert – 20 days

7. Required Qualifications/Skills

The experts are expected to have the following experience, and qualifications:

Expert	Qualifications
Livestock Production Expert (Team Leader)	The Team Leader shall be responsible for the proper execution of the entire baseline assessment and shall be the principal contact person between the team and SDF and MoAD, and overall quality assurance. He/She will advise and ensure that the technical team incorporates the findings in the overall analysis and will be required to be the main point of liaison with SDF2 and MoAD. *Qualifications and skills* • Master's Degree or equivalent in Animal Production/ Animal Health/ Veterinary medicine. • Registered by a competent professional body in the country of origin or country of residence. • Demonstrated excellent command of spoken and written English. • Excellent interpersonal and diplomatic skills. *General professional Experience* • Minimum of 12 years' Experience working at a senior level implementing development projects in the livestock sector in Africa. • Experience in community organisation and mobilization in agro pastoralists and pastoralist setting. *Specific professional Experience* • Minimum 8 years' experience working in projects with a combination of animal production, animal health and fodder production. • Must have led at least 3 assessments of similar size and complexity in the anima production, fodder production and animal health projects sector in sub-Saharan Africa.
Fodder Production Expert	*Qualifications and skills* • Master's Degree in either of the following - Range Management, Natura Resources Management, Animal Production, Agriculture. • Demonstrated excellent command of spoken and written English. • Fluency in Somali language is added advantage. • Excellent interpersonal and diplomatic skills. *General professional Experience* • Minimum of 10 years' experience at senior level – management or advisory in projects/programmes with large components of fodder production and rangeland management in the Horn of Africa. • Minimum of 7 years' experience with small holder fodder production in dryland settings including fodder/animal feed value chain. *Specific professional Experience* • Minimum of 7 years' experience in the technical aspects of fodder production, including seeds, suitability analysis, and climate smart agronomic practices.

	• At least 3 assessments in small holder fodder production conducted over the last 5 years.
Dryland Irrigation Expert	*Qualifications and skills* • Bachelor's degree in Agricultural Civil or Engineering • Registered by a competent professional body in the country of origin or country of residence. • Demonstrated excellent command of spoken and written English. • Excellent interpersonal and diplomatic skills. *General professional Experience* • Minimum of 10 years working experience in a reputed organization/programme in irrigation projects. *Specific professional Experience* • Minimum of 7 years in establishment and management of irrigation system in dryland areas. • Have designed and set up at least one system established in the last 5 years. • Experience in use of engineering software such as AutoCAD.
Community Mobilisation Expert	*Qualifications and skills* • Master's Degree or equivalent in Sociology, Community Development, Development Studies or any other social sciences discipline. • Demonstrated excellent command of spoken and written English and Somali. *General professional Experience* • Minimum of 10 years' Experience working at a middle to senior level implementing community level development projects in Somaliland. *Specific professional Experience* • Minimum of 7 years conducting social studies and assessments focused on community dynamics, community organisation and participatory development. • Conducted at least 3 similar studies /assessments conducted in the last three years (evidence will be requested for).
National GIS Expert	*Qualifications and skills* • Minimum a Bachelor's degree in GIS, Computer Science, Survey and Remote Sensing from a recognized university. • Demonstrated excellent command of spoken and written English and Somali. • Excellent interpersonal and diplomatic skills; and *General professional experience* • Minimum of 5 years of relevant working experience in a reputed organization as a GIS practitioner. • Demonstrated knowledge and skills in the operation of GIS equipment, e.g. computer hardware, plotter/printer, GPS.

	Specific professional experience • Minimum of 3 years' experience in: - undertaking GIS based modelling for the preparation of maps and mapping of activities. - in digital image processing and classification. - use of Google Earth API/tools and GIS Web-services. - Use of integrated GIS/RS/GPS principles, systems, and technologies using relevant programming tools.
National Civil Engineer	*Qualifications and skills* • At least Bachelor's degree Civil Engineering; • Demonstrated excellent command of spoken and written English. Fluency in Somali is mandatory. • Excellent interpersonal and diplomatic skills. *General professional experience* • Minimum of 8 years' experience working at a senior level in the designing, implementing/supervising construction projects in Somaliland. *Specific professional experience* • Evidence of at least three similar assignments in the last three years involving needs assessment of buildings construction projects complete with detailed designs, BoQs and technical specifications. • Ability to use engineering software such as AutoCAD and others.

8. Reports and Reviews

Upon completion of the baseline/feasibility study, the TL will prepare and submit three (3) hard copies and editable electronic copies (both in Word, Excel, GIS, etc.) to the SDF Secretariat, MoLFD and Project Management Team. PDF alone is not allowed. Outline of the report is annexed to the ToR.

9. Equipment

No equipment is to be purchased on behalf of the Client/Contracting Authority as part of this service contract or transferred to the Contracting Authority or local counterparts at the end of this contract. The experts are expected to either rent or bring their own equipment to complete the assignment with all the necessary software installed.

10. Fees and Allowances

- Successful candidate for each position will be offered competitive daily fees. The fees will be paid upon submission of the final report, timesheet and an invoice.
- All fees will be paid after the completion and approval of the final report.
- The SDF Secretariat shall organise and pay for the Consultant's accommodation, travel within Somaliland, and DSA as per SDF2 guidelines.

11. Duty of Care

- The Consultants will work under the overall Health, Safety and Security protocols of the SDF Secretariat.

- The Consultants will be expected to provide insurance for health care, accidents, and other risks associated to the assignment. The SDF Secretariat/MoLFD shall be free from any liabilities arising from the same.
- The SDF Secretariat will share available information with the Consultant on security status and developments in country where appropriate.

12. Other provisions

- Accountability: The SDF Deputy Team Leader (Projects) shall maintain the overall supervision of this assignment. However, the consultant(s) will technically report to the Production Sector Specialist at the SDF Secretariat and will work on day-to-day basis with the Project Management Team at MoLFD and specifically the Project Manager.
- Possession of sites: SDF Secretariat/MoLFD will facilitate the mission(s) to the field and provide the consultants with any available/existing documents about the site. In this case, the Project Management Team staff and other relevant technical staff in MoLFD will be available to work closely with the consultant.
- Relevant documents: The SDF Secretariat/MoLFD shall furnish all pertinent available data and information and give such assistance as shall be reasonably required by the Consultant in carrying out provision of this Agreement.
- Duty post: The work is to be in project sites in Togdheer region with reporting done in Hargeisa.
- Personal Computers: The Consultant is responsible for the provision of own personal computer and other relevant equipment.
- The SDF Secretariat will be responsible for transport within Hargeisa and in the field.

Annex 1: Table of content of the final report

The outline table of contents of the final report at minimum contain the following:

1. Executive Summary
2. Table of Content
3. Introduction:
   3.1 Review of previous studies and environmental background
   3.2 Objectives of the study
   3.3 Methodology
4. Lessons from SDF1 livestock Project practices
5. Key Findings from the feasibility study
6. Thematic Solutions
   6.1 Aroori Livestock Centre of Excellence
   - Approach
   - Fodder production
   - Animal health
   - Water supply
   - Training
   - Cost estimates
   - Maps

   6.2 Fodder production approach
   - Approach
   - Design
   - Cost estimates
   - GIS Maps
   - Supervision mechanism & guide

   6.3 Irrigation
   - Approach
   - Cost estimates
   - Supervision mechanism & guide

   6.4 Community Organization
   - Approach
   - Cost estimates
   - Supervision mechanism & guide

   6.5 Civil Works
   - Approach
   - Design
   - Cost estimates
   - GIS Maps
   - Supervision mechanism & Guide

7 Conclusions
8 References
9 Annex
   - Designs
   - BoQ
   - Tender document
   - GIS Maps
   - Others (to be agreed during inception)

Annex 2: Project Sites Maps

Xaaxi.

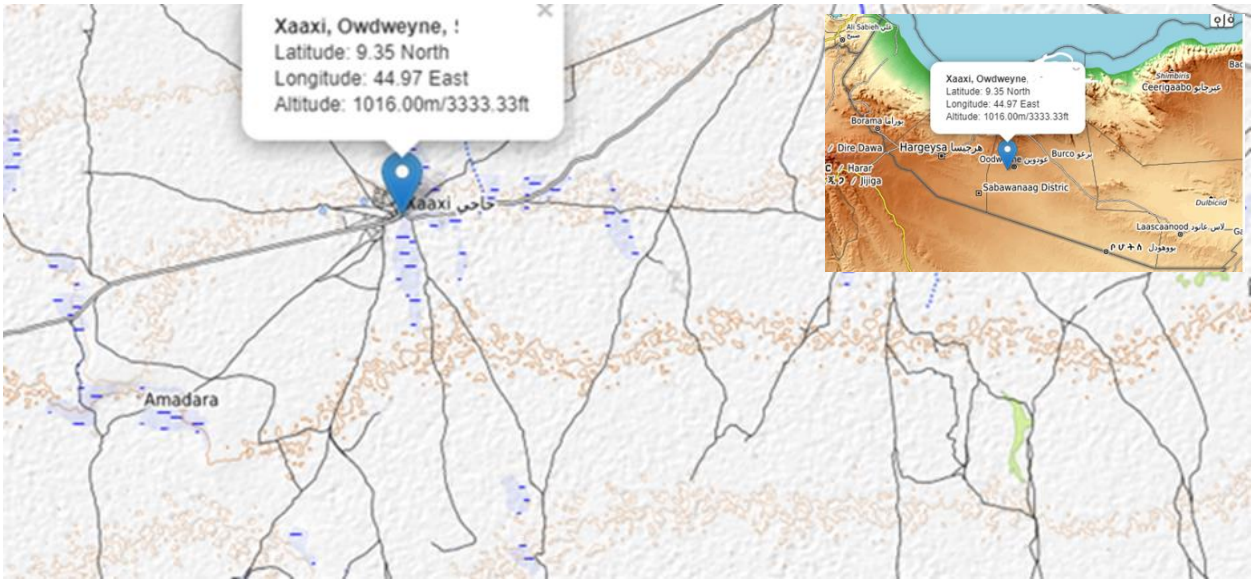

Figure 1Source: Elevationmap.com

Aroori Livestock Holding Ground (LHG)