

**Terms of Reference for a Senior Water Supply Expert for
Feasibility Studies and Full Proposal Development for Laasdhure Aquifer – Geed
Deeble Water Development Project, Hargeisa Water Agency
Somaliland**

1. Background to SDF

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 2013-2017 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 2018-2023. 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 support is fully aligned with government priorities as defined in the National Development Plan 2 (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. Background to Hargeisa City Water

The capital city Hargeisa lies in the North Western part of Somaliland. It is the biggest and one of the most important cities/towns in Somaliland. It is also the second largest city in the republic of Somalia. The city contains five districts (dagmo): Ahmed dhagax, Ibrahim Kodbur, Mohamoud Haybe, 26 June and Gacan Libaax.

Hargeisa's principal source of water is the Geed Deeble well field, located approximately 25 km north of the capital. Boreholes in this well field currently supply the city with an estimated 9 million litres a day. The water produced at Geed Deeble is pumped uphill to Hargeisa (located at 265m elevation), through the main pipeline to the Chinese Reservoir in the north of the city. From there, it is piped via the municipal distribution system to homes, businesses, and public facilities.

The existing water distribution system was designed in the 1970s under an economic cooperation agreement between the Chinese and Somali governments. A regional study of groundwater resources revealed the potential of the Geed Deeble well field, and the infrastructure was put in

place for 13 boreholes and a transmission system: the current dual 300-mm pipeline. However, no further development has taken place since that time, while the population of Hargeisa has grown from less than 180,000 in the 1970s to as much as over 1,000,000 today. This has substantially increased the demand for water more than 5-fold within approximately 40 years. Hargeisa's population will continue to grow and could reach 1.35 million by 2020. The current supply (9 million litres per day) is far below the estimated 20 million litres a day that are needed to sustain the urban population.

Supported by the SDF1, HWA is in the process of connecting the 8 existing boreholes and an additional 3 new boreholes with a new more efficient wellfield collector. Once completed by the end of 2019, it should be able to increase the available water from current 9 million litres to 14.5million litres per day. In addition, the Agency is also installing a new pumping station and a 23km bulk water transmission main from Geed Deeble to Hargeisa.

3. Proposed project

The proposed project seeks to drill and equip three (3) boreholes in Laadhure, equip a fourth borehole (drilled under SDF1) and connect these to the newly completed Geed Deeble pumping station. This will increase the quantity of water available for the population of Hargeisa by an additional 4 million litres per day benefiting an additional 200,000 people with provision of safe water at a cheaper cost. Currently, most of these people are getting water at a much higher cost through water trucking from sources whose safety cannot be guaranteed hence have the possibility of impacting health and wellbeing of users.

4. Scope of work

SDF2 implementation framework requires all projects submitted for SDF2 funding should be identified, designed, and developed by the respective line ministries and agencies of the Government of Somaliland (GoSL) in line with their sector strategies and aligned to the second National Development Plan (NDP2) 2018 - 2021. In this regard, the HWA has developed a Project Concept Note in line with the sector priorities and has been approved by the SDF2 Joint Steering Committee (JSC). The next step in the process is the development of a full project proposal. The SDF Secretariat is therefore seeking the services of a Water Supply Short-Term Expert (STE) to support the HWA in the conducting necessary preliminary consultations, assessments and development of a full project proposal as per the SDF approved proposal format. The STE should not replace government capacities, but instead reinforce existing ones. As part of the assignment, the STE will therefore be expected to involve relevant HWA staff in writing the proposal as a part of on the job training.

5. Key tasks

Referring to the SDF2 Project Proposal Template, Guidance Note and Project Cycle Manual, in close collaboration with HWA, the STE shall accomplish the following tasks:

Feasibility assessment

- Review the HWA Concept Note, NDP2, Relevant Sector Priority Framework, HWA Master Plan and subsequent reviews that have been done on the master plan.

- Assess the current on-going interventions from a systematic point of view on Hargeisa Water Supply Transmission and Distribution systems to avoid overlap and also to enhance complementarity.
- Undertake detailed structured meetings with the Hargeisa Water Agency staff and the Ministry of Water Development including assessment of proposed interventions and exploring other alternatives.
- Conduct field visits to the proposed project area and assess: 1) social composition and conflict risks, 2) Optimal pipeline routes based on the selected boreholes and possible combinations for future expansion from the 3 to 8 boreholes.
- Validate the findings of the field assessment with HWA before using them in the development of the project proposal.

Full proposal development

- Working with the HWA team, to develop a coherent project intervention logic based on which the project proposal shall be based;
- Guided by the SDF2 full project proposal development guidelines, develop a project log-frame coherent with project objectives thoroughly defining impact, outcome, output, activities, and indicators;
- Describe the project strategic context with a strong focus on sectorial context and project compliance with government development policies and regulations;
- Describe how the project is going to address the main cross-cutting issues with a strong focus on:
 - ✓ Institutional sustainability, i.e. who is going to manage the output after project completion?
 - ✓ Operational sustainability, i.e. how the project will be managed after completion?
 - ✓ Financial sustainability, i.e. how much will it cost managing the output after project completion?
 - ✓ Obtain inputs of the Environment, Gender and Conflict Analysis short term experts (engaged separately) for the environmental sustainability, gender and social inclusion and sensitive conflict programming components of the proposal.
- Assess the technical feasibility of the project providing draft technical solutions and options and future expansion prospects for the well field.
- Develop a cost-based project implementation plan detailed at the activity level.
- Develop a realistic project work plan detailed at the activity level.
- Develop a reliable project budget detailed at the activity level following SDF format.
- Develop a reliable procurement plan at activity level.

6. Duration, location and deliverables

6.1 Timing and duration

The expected input is 36 working days.

6.2 Location

The experts will work from Hargeisa with travel to field location in Laasdhure and neighboring areas.

6.3 Deliverables

Activity	By who	When (working day)
Inception report	STE	5 th day
Draft feasibility review report (not more than 15 pages)	STE	12 th day
Review and comments on draft feasibility report	SDF Team + MDA	15 th day
Incorporating Comments	STE	17 th day
Final feasibility study report	STE	18 th day
Draft full project proposal	STE	28 th day
Proposed one week break optional (to be discussed)		
Review and comments on draft Proposal	SDF Team + MDA	29 th day
Incorporating Comments		35 th day
Final full project proposal	STE	36 th day

A consulting week will run from Saturday to Thursday (6 working days).

7. Required qualifications, skills and experience

Qualifications and skills

- Master's Degree or equivalent in Civil Engineering or Water Engineering
- Demonstrated excellent command of spoken and written English; and
- Excellent interpersonal and diplomatic skills.

General professional experience

- Extensive previous experience (minimum 12 years) in implementing urban water and sanitation projects in fragile and conflict affected countries;
- Registered with a recognised Engineering body;
- Proven understanding of Project Cycle Management (PCM), Logical Framework Approach (LFA);
- Demonstrated experience in conducting feasibility appraisal and design of urban water supply systems for medium to large cities/towns; and
- Demonstrated understanding of the contribution of the water sector to economic development.

Specific professional experience

- At least 8 years' experience in designing and supervising/managing projects related to urban water development in fragile and conflict affected countries;
- Designed and wrote at least one project proposal for an urban water system in the last three years; and

- Conducted at least one feasibility or prefeasibility study for an urban water system in the last three years.

8. Supervision

The Expert will work under the overall guidance of the SDF2 Team Leader and day to day supervision of the SDF2 Deputy Team Leader for Projects and the General Manager or Designate of the HWA.

9. Payment

- All fees will be paid after completion and approval of the assignment final report;
- The SDF Secretariat will organize and pay for Expert accommodation and DSA as per SDF2 guidelines.

10. Duty of Care

- The Expert will work under the overall SDF Secretariat Health, Safety and Security protocols;
- The Expert will be expected to provide own insurance for health care, accidents, and other risks associated to the assignment. The SDF Secretariat shall be free from any liabilities arising from the same;

11. Other provisions

- Travel: The SDF Secretariat will facilitate the Expert's transport in Hargeisa and in the field.
- Meetings: The SDF2 Deputy Team Leader – Projects and the HWA team shall organise all the required meetings;
- Relevant documents: The SDF2 Deputy Team Leader – Projects shall furnish all pertinent available data and information and give such assistance as shall be reasonably required by the Expert in carrying out the assignment;
- Personal Computers: the Expert is responsible for the provision of his/her own personal computer.