



UNITED NATIONS DEVELOPMENT PROGRAMME

Terms of Reference

I. Position Information

Job Code Title: Firm for the Construction of Household Rainwater Harvesting and to train fifteen (15) trainers of trainees (TOT), at least 20 trainees and construct eighty (80) Household Rainwater Harvesting storage facilities in selected communities in Kambia, Kono and Pujehun districts.

(Open to Construction Firms that are Registered and are operating in Sierra Leone).

Duty Station: Selected communities in Kono, Kambia and Pujehun Districts

Contract Modality: Contract for Civil Works

Duration: 4 Months

II. Background

The Ministry of Water Resources (MWR) with support from the UNDP/GEF is implementing a project focused on building the adaptive capacity to catalyze active public and private sector participation to manage the exposure and sensitivity of water supply services to climate change in Sierra Leone.

This project seeks to enhance the adaptive capacity of decision-makers in the public and private sector involved in water provision to plan for and respond to climate change risks on water resources. The project will strive to build capacity in the water resources sector through institutional strengthening with a view to ensuring the effective delivery of hydrological services, predicated on the realization that workable options for adapting to climate change. An entry point of the project is the component which ensures water supply infrastructure in Freetown and Pujehun, Kambia and Kono districts made resilient against climate change induced risks focuses on pioneering innovations that particularly address the dry season water supply problems, which are likely worsened by anticipated climate change impacts.

Initial vulnerability assessments were conducted in the three districts. The assessment found that communities are generally highly vulnerable to climate change with the perceptions that especially women and children were most vulnerable to water supply constraints – and this is perceived to be exacerbated by climate change.

Therefore, appropriate climate resilient adaptation techniques for the water sector are being replicated, improved, tested and implemented at least in pilot communities identified. Adapting innovative technologies developed, a focus will be on water collection during the rainy season and storage for

drinking water usage in times of prolonged dry-spells and drought. Together with the establishment of such, technologies will be the establishment and training of WASH committees through the district staff of the MWR.

The service of a firm is required to train technicians and construct rainwater storage facilities for households based on a nationally approved and accepted design. At least 80 households provided with water storage and treatment systems for drinking water usage in times of prolonged dry-spells and drought in Kono, Kambia and Pujehun

These facilities should ensure access to water all year round to be use by the local communities as a pro-active resilient approach to enhance overall access to water within a climate insecure future.

III. Functions / Key Results Expected

1) Key output

At least 80 households provided with water storage and treatment systems for drinking water usage in times of prolonged dry-spells and drought in Kono, Kambia and Pujehun

- i. Assess the current condition of water storage and distribution mechanisms and investigate solutions and make recommendations on the up-scaling of the most appropriate water storage and distribution at community level.
- ii. Provide Rainwater storage and treatment systems to at least 80 households;
- iii. Set-up WASH committees and training programme to support self-promotion of entrepreneurs who would be able to disseminate the climate resilient community water, rainwater harvesting, supply and storage infrastructure. Scheme construction is best suited at household level. In this case management system will be easy
- iv. Track successes and failures and adjust support programme to communities accordingly and in an adaptive manner to ensure long-term sustainability of the investments and climate resilience impacts.

IV. Deliverables

Based on the scope of work outlined above, the contractor will be expected to deliver the following outputs:

- i. Feasibility assessment report of beneficiary communities and households
- ii. Training report of selected communities/household members
- iii. Construction of 80 simple and appropriate cost-effective household rain water harvesting schemes- with simple manual lifting pump where underground cisterns are constructed.
 - Kambia District: 30 Facilities
 - Kono District: 25 Facilities
 - Pujehun District: 25 Facilities
- iv. Provide system for the treatment of the stored water.
- v. Setting up WASH management committees for promotion of entrepreneurs for dissemination of the scheme

V. Payment Modalities

- 1st installment: 20% upon signing of the contract, submission of an inception report on how you plan to carry out the work and to provide a detailed workplan with modified designs where applicable.
- 2nd installment: 40% upon successful delivery of Feasibility assessment report of beneficiary communities and households and submission of training manuals and Training reports of beneficiaries in the selected communities.
- 3rd installment: 30% upon successful delivery of the completed constructed water storage facilities.
- 4th installment: 10% (Retention fees) to be given 2 months after the handing over the facilities to the communities and upon certification of engineering report.

VI. Qualifications

This assignment requires the services of a Firm that can demonstrate adequate technical capacity to undertake the construction of water facilities in accordance to specifications and accepted drawings provided. The contractor should submit its relevant documents as listed below:

- Certificate of Incorporation
- Certificate of Business Registration
- Registration Certificate from the Cooperate Affairs Commission
- Valid NRA Certificate
- Updated NASSIT
- Registration with Ministry of Works Housing and Infrastructure
- Record of similar work performed and completed in the past three years
- List of Equipment owned or to be hired
- CVs and Copies of Certificates/Degrees of personnel
- Company profile
- Work schedule
- Method statement

This assignment requires the services of a team of experts who can demonstrate adequate technical capacity and expertise. Beside the provision of the profile of the firm and evidence of previous works of similar nature, the Firm should provide summary CVs of its technical specialists as below:

a) Team Leader

Education

- University degree or its equivalent in Water or Civil Engineering.

Experience:

- Minimum 5 years professional experiences in innovative water facility construction.
- Demonstrated understanding of community engagement.
- Previous experience working in similar situation would be an asset

b) Supervisor:
Civil Engineer/ Water Engineer

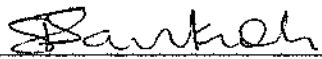
Education

- University degree or its equivalent in Civil Engineering.

Experience:

- Minimum 3 years professional experiences in supervising water construction works.
- Demonstrated understanding of community engagement.
- Previous experience working in similar situation would be an asset

Approval

Signature: 

Name: Tanzila Sankoh

Designation: Team Lead IGSE Cluster UNDP

Date: 13/5/19