



**REQUEST FOR GEF PROJECT PREPARATION  
GRANT FOR PROGRAM(ACCESSIBLE TO GEF AGENCY WITH BOARD)  
TRUST FUND TYPE: LDCF**

**Submission date:** 24-06-2013

**GEF PROGRAM ID:** 5209  
**GEF AGENCY PROGRAM ID:**  
**COUNTRY(IES):** Sierra Leone  
**PROGRAM TITLE:** Building Resilience To Climate Change In The Water And Sanitation Sector  
**GEF AGENCY:** AfDB  
**GEF FOCAL AREA(s):** Climate Change

**A. PROGRAM PREPARATION TIMEFRAME**

|  |            |
|--|------------|
| Start date of Program Preparation      | 07/01/2013 |
| Completion date of Program Preparation |            |

**B. PROPOSED PROJECT PREPARATION ACTIVITIES UNDER THE PROGRAM(\$)**

Describe the program preparation activities and justifications: Program preparation activities centre around the need to further examine the baseline project activities with the aim of specifically defining the scope of climate change adaptation activities. In this regard, analytical work will be undertaken to establish the following:

- Projected changes in climate climate and their impacts on water resources (quantity and quality in time and space) and implications for the proposed water supply and sanitation technologies, as well as implications for water user community capacity building to ensure resilience and sustainability.
- policy and management reforms that will be undertaken to facilitate due attention to climate change impacts on water resources, and water supply and sanitation systems.

The work will entail identification of the most vulnerable catchments (taking into account exposure to climate change and human dependence on them) which, in turn, will provide an input for identifying the specific sites for relevant catchment management activities. This data on vulnerability will then be used, in conjunction with an assessment of the status of the National Hydrometric Data network and confirming the 20 sites for installation of water resources monitoring equipment, as well as defining activities that will be undertaken to revamp systems for collecting, analysing, storing and disseminating data to ensure effective climate change resilient water resources management at community level. Confirmation of on-going complementary interventions, particularly under the UNDP LDCF-funded project will be critical to this process.

In addition to identifying and confirming site selection for the four project components, the project preparation grant will result in preparation of TORs relating to:

- integrating and mainstreaming all climate change adaptation activities into the main Rural Water Supply and Sanitation Project to ensure maximum synergy in delivery of community education, -the design and supervision of construction/installation of water resources monitoring structures/equipment, and scope of capacity building/technical assistance to support the implementing agencies.

Throughout the process of site selection, stakeholder consultation will take place at different levels

(including central and local government agencies, and the community to identify any capacity building or technical assistance needs for proposed service delivery), to ensure appropriate involvement of local communities (including women), and also to ensure complementarity with existing initiatives undertaken by other key stakeholders. The output of the project preparation grant will be a full project proposal comprising description of activities, outputs and time-bound indicators, as well as the results framework, for the project. This will be in line with monitoring framework for the Rural Water Supply and Sanitation baseline project.

| List of Proposed Program/Project Preparation Activities   | Output of the Preparation Activities  | Trust Fund | Program/Project Preparation (a) | Co-financing (b) | Total (\$) c = a + b |
|---|---|------------|---------------------------------|------------------|----------------------|
| <p>1. Baseline project analysis and linkages to climate change, including:</p> <ul style="list-style-type: none"> <li>-Identification of communities at greatest risk of climate change among the 1000 communities proposed by the baseline project as lacking access to improved water supply and sanitation</li> <li>- Assessment of existing community-level institutions from which water user associations can be created/revamped, in addition to assessing their adaptation capacity.</li> <li>-Selection of most appropriate water supply and sanitation technologies given current and projected climate conditions.</li> <li>-Analysis of executing capacity and assessment of technical support requirements in the context of implementation of climate change adaptation activities</li> </ul> | <ul style="list-style-type: none"> <li>- Climate Change Adaptation project document prepared, including Climate Change Adaptation Results framework.</li> <li>-Climate Change Adaptation component Implementation Manual, including criteria for selection of target communities</li> <li>-TOR for Technical Assistance support to executing agency for implementing Climate Change Adaptation activities.</li> <li>- Criteria for selection of target communities</li> </ul> | LDCF       | 55,000                          | 70,000           | 125,000              |
| <p>2. Baseline analysis of existing water and</p>   | <p>-Analysis of existing water and sanitation</p>   | LDCF       | 15,000                          | 35,000           | 50,000               |

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|--|--|------|--------|--------|---------|
| sanitation documentation   | documentation and identification of priority areas for addition of climate risk information  |      |        |        |         |
| 3. Baseline analysis of WASH soft-skill training needs<br>- Analysis of WASH knowledge and practices within the 1000 target communities<br><br>-Identification of 28 appropriate sector professionals to be trained in climate-resilient WASH knowledge, attitudes and practices (including on water availability and quality).<br><br>- Analysis of climate change adaptation knowledge and skills gaps among potential community trainers. | - TOR for training of Community Trainers in climate resilient WASH.<br>-TOR for climate resilient WASH mobilisation and training of Baseline Project target communities<br>- Contribution to Climate Change Adapataion Results framework, project description and Implementation Manual.<br>- Selection criteria for 28 sector professionals to be trained in climate-resilient WASH.  | LDCF | 10,000 | 10,000 | 20,000  |
| 4. Assessment of status of National Hydrometric Network and existing systems for collecting, analysing, storage and dissemination of data and information to users<br><br>- Assessment of local water resources management knowledge and skills levels within the context of climate change adaptation and appropriate catchment management  | -Identification of 25 river catchments for management, based on climate exposure and proximity of people<br>- Twenty (20) locations for flow gauges and groundwater monitoring station installations identified.<br>- 200 locations identified for installation of rain guages within the 25 river catchments.<br>- criteria for selection of 11 Water Resources Management staff to be trained.<br>- Contribution to Climate Change | LDCF | 50,000 | 50,000 | 100,000 |

|  |  |          |                |                |                |
|--|--|----------|----------------|----------------|----------------|
|  | adaptation Results Framework, project description and Implementation Manual.<br>- Conceptual designs for Hydrological Monitoring Stations<br>- TOR for the detailed design and supervision of installation of Hydrological Monitoring Stations |          |                |                |                |
| 5. Assessment of the M & E and Information systems for climate change adaptation | -Detailed design for the project M&E system, including the definition of indicators for monitoring the adaptation benefits of the project activities   | LDCF     | 20,000         | 10,000         | 30,000         |
| 6. Stakeholder consultations   | - Mission reports, outputs of stakeholder meetings and inputs to deliverables listed above   | LDCF     | 20,000         | 5000           | 25,000         |
| 8. Financial arrangements and procurement plan                                   | Financial planning established<br>Procurement plan and tables established  | LDCF     | 15,000         | 15,000         | 30,000         |
| 6. PPG management, including recruiting and supervision of consultants           | AfDB endorsed Project Document - Building Resilience to Climate Change in the Water and Sanitation sector in Sierra Leone  | LDCF     | 15,000         | 35,000         | 50,000         |
|  |  | (select) |                |                | 0              |
|  |  | (select) |                |                | 0              |
|  |  | (select) |                |                | 0              |
|  |  | (select) |                |                | 0              |
| <b>Total Program Preparation Financing</b>                                       |  |          | <b>200,000</b> | <b>230,000</b> | <b>430,000</b> |

### C. PREPARATION GRANT REQUESTED BY FOCAL AREA(S) AND COUNTRY(IES)

| Trust Fund | Focal Area     | Country Name/<br>Regional/ Global  | Preparation Grant (\$) |
|------------|----------------|------------------------------------|------------------------|
| LDCF       | Climate Change | Sierra Leone focal area allocation | 200,000                |
| (select)   | (select)       |                                    |                        |
| (select)   | (select)       |                                    |                        |

|   |          |  |                |
|---|----------|--|----------------|
| (select)                                      | (select) |  |                |
| (select)                                      | (select) |  |                |
| (select)                                      | (select) |  |                |
| (select)                                      | (select) |  |                |
| (select)                                      | (select) |  |                |
| (select)                                      | (select) |  |                |
| (select)                                      | (select) |  |                |
| (select)                                      | (select) |  |                |
| (select)                                      | (select) |  |                |
| (select)                                      | (select) |  |                |
| <b>Total Program Preparation Grant Amount</b> |          |  | <b>200,000</b> |


**D. BUDGET FOR PROJECT PREPARATION GRANT UNDER THE PROGRAM**

| Cost Items                              | Total Estimated Person Weeks (PW) for Grant | Grant Amount (\$) | Co-financing (\$) | Total(\$)      |
|---|---|-------------------|-------------------|----------------|
| Local consultants *                     | 16.00                                       | 24,000            | 35,000            | 59,000         |
| International consultants*              | 38.00                                       | 102,000           | 75,000            | 177,000        |
| Travel                                  |   | 44,000            | 50,000            | 94,000         |
| Technical Workshops & Consultations     |   | 15,000            | 15,000            | 30,000         |
| Management and Coordination             |   | 0                 | 45,000            | 45,000         |
| Miscellaneous (translation, visas, etc) |   | 15,000            | 10,000            | 25,000         |
| <b>Total Budget</b>                     |   | <b>200,000</b>    | <b>230,000</b>    | <b>430,000</b> |

\* Annex A for Consultant cost details should be prepared first before completing this table. See notes on Annex A for the required detailed information. This table is the sum of all local and international consultants presented in Annex A.

**E. GEF AGENCY CERTIFICATION**

This request has been prepared in accordance with GEF policies and procedures and meets the GEF criteria for program preparation.

| Agency Coordinator, Agency Name | Signature   | Date (Month, day, year) | Project Contact Person | Telephone      | Email Address      |
|---------------------------------|---|-------------------------|------------------------|----------------|--------------------|
| Ignacio Tourino Soto            |  | 06/24/2013              | Rogers Lubunga         | +232 3033 8012 | R.LUBUNGA@AFDB.ORG |

**Annex A**

**Consultants Financed by the Program Preparation Grant**

| <b>Type of Consultant</b> | <b>Position / Titles</b>                                   | <b>\$/ Person Week<sup>1</sup></b> | <b>Estimated PWs<sup>2</sup></b> | <b>Tasks to be Performed</b>  |
|---------------------------|--|------------------------------------|----------------------------------|---|
| International             | Climate Modelling And Water Impacts Expert (Team Leader)   | 3000                               | 15.00                            | <ul style="list-style-type: none"> <li>-Generation of downscaled climate projections and analysis of their implications for water availability through water modelling</li> <li>-Collaboration with the local water and sanitation expert with community-level experience to develop criteria for selecting target communities.</li> <li>-Collaboration with the local policy analyst with climate change knowledge to determine climate risks for water and sanitation policy</li> <li>-identification of 25 catchments for management and identification of locations for 200 rainguages, 20 stream flow gauges and groundwater monitoring stations in liaison with Hydrologist/WRE Expert.</li> <li>- Lead preparation of climate change adaptation results framework drafting of Project Document and Implementation Manual and contribute to TOR for the relevant climate change and adaptation servies to be provided during project implementation (ref. tasks for other team members)</li> <li>Lead assessment of relevant implementation capacity constraints and lead drafting of TOR for Technical Assistance support to the Implementing Agency.</li> </ul> |
| Local                     | Community Development Expert With Relevant WASH Experience | 1000                               | 12.00                            | <ul style="list-style-type: none"> <li>-Investigation of communities lacking appropriate safe water infrastructure and, in conjunction with the exposure data generated by the international climate modelling and water impacts expert, and develop criteria for selection of target communities.</li> <li>-Selection of most appropriate water and sanitation technology (in conjunction with knowledge of projected changes in water availability from the climate modelling and water impacts expert).</li> <li>- Assess climate resilient WASH awareness and practices in potential target communities and lead drafting</li> </ul>  |

|               |   |      |       |   |
|---------------|---|------|-------|---|
|               |   |      |       | <p>of TOR for training of Community Trainers as well as TOR for general community mobilisation and sensitisation.</p> <ul style="list-style-type: none"> <li>- Procedures for Formation of WASH Committees.</li> <li>- Develop criteria for selection of Community Trainers.</li> </ul>   |
| Local         | Policy Analyst With Climate Change Knowledge  | 1000 | 4.00  | <ul style="list-style-type: none"> <li>- Screening of existing water and sanitation policies, legislation and frameworks to identify entry points for consideration of climate risk</li> <li>- collaboration with the international climate modelling and water impacts expert to determine the nature of key risks to consider.</li> <li>- Contribute to preparation of the TOR on adaptation education and sensitisation for Trainers and Beneficiary communities</li> </ul>  |
| (Select)      |   | 0    | 0.00  |   |
| International | Adaptation M&E Expert With Water Resources Expertise  | 3000 | 4.00  | <ul style="list-style-type: none"> <li>- Lead preparation of the Climate Change Adaptation project Results Framework and drafting of the project document, including detailed design for the project M&amp;E system and Implementation Manual.</li> <li>- contribute to TOR for adaptation education</li> </ul>   |
| International | Hydrologist/Water Resources Engineering Expert With Track Record Of Design Of Hydrometric Networks, Including Groundwater Monitoring Networks | 3000 | 15.00 | <p>Compile and collate existing baseline data, including available and under preparation hydrometric infrastructure</p> <ul style="list-style-type: none"> <li>- Collaboration with the climate impacts expert to identify catchments and sites for installation of surface and ground water monitoring infrastructure</li> <li>- Preparation of conceptual designs and specifications, as appropriate, for the required hydrometric equipment/stations consistent with the baseline project concept.</li> <li>- In liaison with AfDB task manager, use Bank standard bidding document and prepare draft bidding document for the supply and construction/installation of the hydrometric equipment, including provisions for undertaking of additional detailed geodetic and topographical surveys, if required.</li> <li>- Prepare detailed TOR for water Resources Management TA for project implementation, as well as the scope of community training activities relevant to the superintendence of the</li> </ul> |

|          |  |  |  |  |
|----------|--|--|--|--|
|          |  |  |  | hydrometric infrastructure in line with<br>with country's Water Resources<br>Management Act. |
| (Select) |  |  |  |  |
| (Select) |  |  |  |  |

<sup>1</sup> Provide dollar amount per person week.

<sup>2</sup> Provide person weeks needed to carry out the task