**TERMS OF REFERENCE**

**CONSULTANCY TO DEVELOP SOCIO-ECONOMIC BENEFIT (SEB) ANALYSIS OF CLIMATE INFORMATION WITHIN THE SADC REGION**

**TABLE OF CONTENTS**

1. BACKGROUND INFORMATION 3

1.1 Partner country and procuring entity 3

1.2 Contracting authority 3

1.3 Background 3

1.4 Current situation in Meteorology Sector (Background) 3

1.5 Related programmes and other donor activities 4

2. OBJECTIVE, PURPOSE & EXPECTED RESULTS 4

2.1 Overall objective 4

2.2 Specific Objectives (Purpose) 4

2.3 Results to be achieved by the contractor. 4

3. ASSUMPTIONS & RISKS 4

3.1 Assumptions underlying the project. 4

3.2 Risks 5

4. SCOPE OF THE WORK 5

4.1 General 5

5. LOGISTICS AND TIMING 6

5.1 Location 6

5.2 Start date & period of implementation. 6

6. STAFF 6

6.1 Experts 6

6.2 Equipment 7

6.3 Incidental expenditure 7

6.4 Expenditure verification 7

7. REPORTS 8

7.1 Reporting requirements 8

7.2 Submission & approval of reports 8

8. MONITORING AND EVALUATION 8

8.1 Definition of indicators 8

8.2 Special requirements 8

9. BUDGET 8

# 1. BACKGROUND INFORMATION

## 1.1 Partner country and procuring entity

Southern African Development Community (SADC Secretariat).

## 1.2 Contracting authority

Southern African Development Community Secretariat (SADC Secretariat).

## 1.3 Background

The Southern African Development Community (SADC) is a Regional Economic Community comprising 16 Member States, namely: Angola, Botswana, Comoros, Democratic Republic of the Congo, Eswatini, Lesotho, Madagascar, Malawi, Mauritius, Mozambique, Namibia, Seychelles, South Africa, Tanzania, Zambia, Zimbabwe.

Southern Africa is highly susceptible to the impacts of climate change. In coming decades, it is forecasted that the SADC region would experience higher land and ocean surface temperatures than in the past, which will affect rainfall, winds, and the timing and intensity of weather events. Climate change poses several risks to SADC goals for regional economic development. Increased frequency of floods, cyclones, and droughts may damage infrastructure, destroy agricultural crops, disrupt livelihoods, and cause loss of life. This highlights the importance of early warning information for early action to reduce risks, losses and optimize on opportunities. In addition, the socio-economic effects of climate events need to be accounted for in development projects.

This ToR is intended to introduce the SEB analysis of the climate services within the region, to enhance the understanding the effects of climate events on regional economy.

## 1.4 Current situation in Meteorology Sector (Background)

The (SADC) region is known to be susceptible to volatile weather. This condition imposes innumerable risks in the development of muti-sectoral activities, such as agriculture, power generation and infrastructure, jeopardizing the socioeconomic security within the region. The development of the meteorology sector and its associated climate services is one of the components to support decision-makers to take adequate actions towards weather informed and resilient economy to face the adverse conditions imposed by Climate Change.

Over the last four years, SADC Meteorology sector has been implementing the ClimSA project in collaboration of the OACPS Secretariat and the European Union, with support of the EU 11th development funds. The overall objective of the project was essentially to strengthen the climate service value chain through building the capacities of decision-makers at all levels to make effective use of the climate information and services, in SADC region.

National Meteorological and Hydrological Services (NMHS) have the mandate and have been providing weather, climate, ocean and hydrological products and services to their communities over many decades. Such service has reduced the number of casualties during weather and climate extreme events over the years, but the economic losses remain significantly high. The services provided by NMHSs’ continues to expand over the years, to cover weather and climate sensitive sectors such as Agriculture, Water, Energy, Health and Disaster Risk Reduction.

Currently, limited work has been done to assess the economic value including the social benefits and impacts of climate services to sectors and communities in the region. It is against this background that, the SADC ClimSA activities includes the assessment of the impact of climate services including the socio-economic benefit analysis of climate services for the region.

Socia-economic benefit is fundamental to understand if the provision of climate services makes any difference in the cost or revenues for Member States.

This tender is intended to contract an expert to undertake the socio-economic benefit analysis on climate services in the region.

## 1.5 Related programmes and other donor activities

The SEB Analysis is part of the efforts of the SADC Intra-ACP Climate Services and related Applications Programme (ClimSA). Hence, the expert intervention will be financed by the ClimSA project.

# 2. OBJECTIVE, PURPOSE & EXPECTED RESULTS

## 2.1 Overall objective

The overall objective of the consultancy is to carry out the assessment of the impact of climate services and do the socio-economic benefit analysis of climate services for the SADC region.

## 2.2 Specific Objectives (Purpose)

* 1. Develop a tailor-made methodology to assess the socio-economic value, impacts and benefits of climate services including tailored climate information in the SADC
	2. Use the methodology developed to determine the socio-economic value of climate services in the region including the socio-economic value of tailored climate information for the key sectors (Water, Energy, Agriculture and DRR) for the SADC region
	3. Determine the social benefits and impacts of tailored climate information and services for one pilot country from the SADC region.

## Results to be achieved by the contractor.

1. Report on the literature review on socio-economic impacts of climate services in the SADC region and detailed methodology developed to assess the socio-economic value, impacts and benefits of climate services including tailored climate information in the SADC.
2. Report on analysis of the socio-economic value of climate services in the region including the socio-economic value of tailored climate information for the key sectors (Water, Energy, Agriculture and DRR) for the SADC region
3. Report on social benefits and impacts of tailored climate information and services for one pilot country from the SADC region.

**3. ASSUMPTIONS & RISKS**

## 3.1 Assumptions underlying the project.

It is assumed that the consultant would be procured within the reasonable timeframe and the action implemented within the provided of **120 calendar days spread over 4 months.**

Assumptions underlying the project.

**Resources:**

* Funding is secured for the project.

**Delivery:**

* Consultant commences work as predicted and work as per proposed timeline.
* Reports are submitted as requested.

**Budget:**

* Project cost will stay the same, as initially budgeted.

**Scope:**

* Once agreed and contract signed between the Secretariat and the consultant, the project scope will remain the same.

## 3.2 Risks

The nature of the assignment presents negligible risks associated with the expert intervention. Some of the foreseen risks are the following:

| **Possible risks** | **Risk Level** | **Mitigation Measures** |
| --- | --- | --- |
| Failure to produce the requested reports on SEB  | Low | SADC-CSC to work closely with the consultant and seek support from World Meteorological Organisation (WMO). |

# 4. SCOPE OF THE WORK

## 4.1 General

### **4.1.1 Project description and Specific work**

The contractor is expected to develop a robust methodology, potentially using an open-source model, to demonstrate that extreme weather events and associated climate risks within the region have significant socio-economic impacts. These impacts are often overlooked in development projects and national budgets, underscoring the importance of Socio-Economic Benefit (SEB) analysis. SEB analysis is crucial for revealing the true costs of climate-related disasters, which are typically not reflected in the calculation of countries' GDPs, and for guiding more resilient and sustainable development planning.

### **4.1.2 Geographical area to be covered.**

The outlook proposed in this ToR is beneficial to all the SADC 16 countries, namely Angola, Botswana, Democratic Republic of Congo (DRC), Eswatini, Lesotho, Madagascar, Malawi, Mauritius, Mozambique, Namibia, Seychelles, South Africa, Tanzania, Union of Comoros, Zambia and Zimbabwe.

### **4.1.3 Specific Work**

The contractor should perform socio-economic benefit analysis within the SADC region which includes the following:

* Develop a tailor-made methodology to assess the socio-economic value, impacts and benefits of climate services.
* The methodology developed should be used to perform the socio-economic benefit (SEB) analysis of climate services in the SADC region the value of tailored climate information for the key sectors (Water, Energy, Agriculture and DRR).
* Determine the social benefits and impacts of tailored climate information and services for one pilot country from the SADC region.

# 5. LOGISTICS AND TIMING

## 5.1 Location

The assignment is commissioned by the SADC Secretariat, located in Gaborone, Botswana.

i) The assignment will be undertaken in the Consultant’s country of residence.

ii) The consultant will also conduct virtual engagements and email messaging with stakeholders.

iii) For the launching of the SEB the consultant will travel to the venue of the event which will be in SADC headquarters.

## 5.2 Start date & period of implementation.

(i) The intended start date is as soon as both parties have signed the contract agreement and the period of implementation of the contract will be four (4) months from the date of signing the agreement by last party. Tentative start date may be mid-April 2025.

(ii) The Consultant is expected to present a detailed implementation schedule (in the form of a bar chart or Gantt chart), specifying activities to be undertaken, entities to be consulted and estimates for start-up, duration and completion of each activity in the inception report.

# 6 REQUIREMENTS

**6.1.1 Staff**

The Consultant shall be an individual who is suitably qualified with extensive experience and knowledge of climate/meteorology and social sciences. The successful consultant should also have demonstrable competence in project management.

**6.1.2 Qualifications and skills**

* Advanced University degree in meteorology, hydrology, environmental sciences, social sciences or related discipline.
* Excellent oral and written communication skills. Proven analytical and writing skills.
* Experience in socio economic benefits analysis would be an advantage.

**6.1.3 Specific Professional Experience**

* At least eight years of professional experience in project management in developing countries;
* A high level of understanding of the roles of national meteorological and hydrological services and regional climate centres in developing countries;
* Ability to assess country’s hazards, vulnerabilities and risks;
* Demonstrable knowledge and experience in the design, management and evaluation of complex, multi-disciplinary capacity building programmes involving national governments, civil society and international organizations;
* Demonstrated experience working with multiple stakeholders on socio-economic analysis.
* Ability to anticipate and understand client needs, formulate clear strategic plans, prioritize interventions, and determine resources need according to priorities. Ability to develop innovative solutions to address challenging situations.
* Proven ability to negotiate and influence change with a wide range of stakeholders through team/coalition building and advocacy. Ability to build strong relationships with external actors – cultivate productive relationships with donors, partners and other important institutions and individuals;
* Demonstrated experience/ability to design and deliver socio economic analysis and benefits of climate services.

**6.1.4 General Professional Experience**

* Minimum 5 years’ experience working in the SADC Region and excellent knowledge and demonstrated experience in providing analysis and formulation frameworks for meteorology and socio-economic analysis.
* Ability to assess country’s hazards, vulnerabilities, and risks.
* Proven experience in quantitative research and reporting
* Demonstrated experience/ability to design and deliver socio economic assessments in the context of provision and delivery of weather and climate information products and services.
* Fluency in English is essential, knowledge of French is an added advantage.
* Excellent oral and written communication skills. Proven analytical and writing skills.

*Organizational Fit*

* Ability to analyze complex information without bias;
* Displays cultural, gender, religion, race, age sensitivity and adaptability;
* An action-oriented approach and strong drive for results;
* Demonstrates strong negotiation, facilitation, and communication skills;
* Ability to work with multiple stakeholders across a range of discipline.
* Knowledge of socio-economic conditions and climate risks in the SADC region will enhance the relevance and applicability of the study's findings.

### **6.1.5 Support staff & backstopping**

The process does not require backstopping and support staff.

## 6.2 Equipment

No equipment is to be purchased on behalf of the contracting authority/procuring entity as part of this service contract or transferred to the contracting authority/procuring entity at the end of this contract.

## 6.3 Incidental expenditure

There **are no incidental expenses** to be covered by SADC, except the amount estimated for the whole work.

## 6.4 Expenditure verification

Expenditure verification is not applicable in this contract.

# 7. REPORTS

## 7.1 Reporting requirements

Consultant will produce reports to be handed to the SADC Secretariat immediately after the period of 3 months allocated for this task. The Expert/firm shall work with the Secretariat up to the end of the assignment, to receive necessary inputs and advises whenever necessary:

|  |  |  |
| --- | --- | --- |
| **Name of report** | **Content** | **Time of submission** |
| Develop a report on regional SEB analysis | The report should accomplish with all the request underlined in the objectives of this work. | At the end of the project, but with presentation on the mid of period allocated for this work. |

Payments shall be related to reports and their approvals, as follows:

1. 20% of the contract price shall be paid upon submission of an acceptable Inception report;
2. 40% of the contract price shall be paid upon submission of an acceptable draft report.
3. 40% of the contract price shall be paid upon submission of an acceptable final report and upon approval by the Management.

## 7.2 Submission & approval of reports

The consultant is expected to submit reports to the SADC Secretariat though the Meteorology Senior Officer.

# 8. MONITORING AND EVALUATION

## 8.1 Definition of indicators

The Consultant will be required to ensure that the reports are produced and delivered to CSC after the end of the 90 days period reserved for this activity. The following are the key indicators for the successful completion of this assignment:

1. Present a report that qualitative and quantitatively attends the objectives of this work.
2. The report to be submitted to SPO Meteorology.

Monitoring, Evaluation and Reporting shall be conducted in line with the latest version of the SADC Policy on Strategy Development, Planning, Monitoring, Evaluation and Reporting (SPMER Policy).

## 8.2 Special requirements

The Consultant must declare any potential conflict of interest between the provision of the requested services, and other activities in which, a member of their consortium of group (s), or any expert proposed in their offer is engaged.

# 9. BUDGET

The maximum available budget USD 25,000 (Twenty-Five Thousand) and it covers all costs. Payments will be performance based (upon submission of deliverables).

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