

## APPENDIX 3A: MUST FUNDING PROTOCOL/PROPOSAL FORMAT

### 1.0 Cover Page

The project document must bear the standard official cover page for MUST-originated research proposals. Inscriptions on the cover page should include the MUST Logo, project title, the name of the donor(s) to whom the proposal is submitted for funding and the month and year of document preparation.

### 2.0 Project Title

The title should be concise but scientifically valid and sufficiently descriptive to reflect the nature of the proposed work. Attractive and inviting titles tend to draw greater interest from prospective donors. The title of the project once approved cannot be changed or modified without the written consent of the Research Office.

### 3.0 Executive Summary

A summary of the proposed project should be submitted, mentioning briefly, the objectives, methodologies, proposed activities and the budget. Considerable attention should be given to the preparation of this item in order to capture the key points. It is suggested that this item be written last.

### 4.0 Introduction

In this section the applicant should broadly describe what we need to know about the subject or topic. What general facts (scientific, socio-economic or geo-political) should we know about the area? What general factors may have necessitated this project?

### 5.0 Status of Knowledge and Expected Contribution

In this section the applicant gives the findings of the literature review. The research applicant must show the interrelationship of what has been done by others in the field and what he/she intends to do. The following questions are relevant: What is known about this topic? Who has worked on this topic before, and when? What did he/she do, how did he/she do it and what were the findings? What (relevant) areas/studies were not done and how do these impact on negatively on knowledge/development in this field? What technological/knowledge gaps shall be filled by these studies? What is lacking? Why now? What are the **hypotheses**, if any? It should reflect a thorough survey of the existing state of knowledge and how and in which way the intended work is going to contribute to the advancement of knowledge in the context of the problem to be solved, or bring about socio-economic development. If there is an overall **conceptual framework (theory, independent variables, dependent variables, expected regression independent variable coefficient signs)** it should be described here.

### 5.0 Project goal(s) and Objectives

A clear statement of the general problem(s) or issue(s) at hand should be given. Strategic goal(s) to which the solution of the stated problem(s) will contribute should be explicitly stated. It should broadly answer the following questions: What is the project supposed to achieve globally/regionally/nationally or within the target community? After all the work is done, where does

it lead? In addition, specific objectives and targets must be clearly stated in order to facilitate monitoring and evaluation of the project. The questions to be answered are: What specific problems will be solved in order to reach the Goal? Who are the beneficiaries? What are the time frames for achieving each objective? Objectives are not activities and should give benefits to the target group(s). Smart objectives are specific, measurable, attainable/achievable, realistic and time bound (SMART). Where the goal is broad, it may be necessary to state overall objectives under which specific objectives and targets are stated.

### **Rationale and Justification**

This section should clearly show the importance of the project by demonstrating that the anticipated benefits of the project exceed the expected expenditure. The proposal should also show how the results of the research would be able to reach the end users and bring about socio-economic development. The researcher should discuss the following issues as they relate to his/her project: - Problem relevance; Ability to provide solution(s) through research; Technical feasibility of the approach; Probability of research success; Availability of outside scientific inputs; Past performance of researcher(s) in executing similar projects; Contribution to long-term capability building; and cost effectiveness, among any other factors

### **6.0 Anticipated Outputs**

These are the desirable outcomes necessary in order to achieve the stated specific objectives. There may be several outcomes required to achieve each objective. These outputs must tally with the objectives spelt out. In this section discussions on the steps planned (or already taken) to utilize the research results must be given. It should clearly list direct and indirect beneficiaries of the project outputs realised.

### **7.0 Project Methodology and Activities**

The proposal should clearly and thoroughly spell out the methods to be used and the research plan for the project. Depending on its size, a research project may be divided into Phases, and each phase is then divided into Studies, Experiments and Activities. The plans should identify and describe each branch of the "project tree". Regardless of how they are organised, project activities should tally with the intended outputs. It should also indicate that the proposed methods and analytical techniques are feasible. This section should also describe the project implementation sites and reasons for its selection, facilities and major items of equipment, space, and supplies and services to be used. The researcher should also show the project's relationship to other ongoing projects in as far as sharing of physical facilities, equipment and data is concerned. If members of the project team will require capacity development training in order to effectively implement the project, such activities should also be described here. Also to be included are special activities, such as workshops, group training, tours, scientific research training and scholarships, group training workshops and manuscript preparation and publication, etc., which are intended for dissemination of research results to the beneficiaries. Networking that will be undertaken within the project and with other projects should be described. The researcher should also explain the techniques that shall be used for data analysis and the formats in which the data shall be presented.

### **8.0 Project Time Plan**

In this section the researcher gives the total duration of the project and the sequence in which the research activities will be undertaken and for how long they will be done. Appropriate project scheduling techniques should be used to illustrate the project time outlay. A recommended and simple

method is the Gantt chart, which also graphically shows the relationship between individual activities and the total duration of the project. Use of activity networking techniques, such as the Critical Path Method may be required in large and complicated projects that have activities whose completion time may impact on project progress. The anticipated duration of the project enables the donor (and the project accounting unit) to set aside the funds approved for that duration. It will also assist in drawing up monitoring schedules.

## **9.0 Impact of Project**

It is also important to state the impact of the project that will be realised in the project area (on the environment, people, etc.), after all the planned work is carried out and the outputs realised and assimilated.

### **10.0 Monitoring and Evaluation Plan**

In this section the researcher describes how the activities, outputs and impacts of the project will be monitored and evaluated. What are the factors that will be monitored? What are the project milestones? Who will monitor? What are the indicators of achievement? Who will evaluate? How will the donor be involved?

### **11.0 Roles and Responsibilities of Collaborators**

Which are the collaborating institutions? Which persons will participate? What are their individual roles with respect to the stated project activities?

### **12.0 Education and Training Needs**

In this section, the capacity development needs of project personnel should be reemphasised, with reference to the details mentioned in the project activities section.

### **13.0 Project Structure and Management**

The researcher should describe the organization of the project organization and the interrelationships within the project team. Large multidisciplinary projects would normally be broken down into sub-projects, which may be hosted by different departments. How will the project be structured and managed? Which are the critical departments/sections/units responsible for the project? Who heads these departments? What authority channels are established for project management? What is the role of the donor in project management? An organizational structure may be included in this section.

### **14.0 Publication of Results**

Indicate where and in which form the results of the work may be disseminated/published.

### **15.0 Resource Requirements**

The applicant should show the breakdown of all the resources required for the project with respect to all the sections mentioned above. These should include the costs of: proposal development (if applicable); planned project activities; monitoring and evaluation; education and training; dissemination of results and project management. The costs should be analysed and grouped under the following categories: personnel (their specialisations and man-years for each); equipment (types of equipment, what for, and numbers of units required); travel and subsistence (places to be visited, by whom, numbers of visits and for what purposes); materials, services and expendables (furniture,

stationary, vehicle spares and running costs, equipment maintenance, consultancy, training fees, meetings, special functions and overhead costs). It is important to mention here which resources are already available that will be used by the project. Where the applicant has applied for funds from some other sources he/she should specify the name of the organisation, the date of application, the amount requested and its planned use. A contingency for price change should also be included, normally at a small percentage of direct costs. Where the prospective donor does not finance overhead costs then the relevant items (water, electricity, space, telephone, postage, email and internet connectivity, etc. can be itemised as direct costs.

### 16.0 Illustrative Budget

The resource requirements mentioned above are itemized and presented in a clear format. Most donor agencies will want the budget presented in their own special format. The budget should be attached to the proposal.

### 17.0 The Logical Framework

The logical framework, often simply referred to as the logframe, is a system of project management in which the processes involved are analysed systematically and logically, in order to establish factors important to the successful implementation of the project. The technique was developed in the 1970s for the management of technology-based projects and is now a tool of choice for project planning and development by most donor agencies and project implementing institutions. The logframe is critical for project monitoring and evaluation because it presents a summarised analysis of the project in terms of the objectives to be achieved, the outputs required to achieve those objectives, the activities that must be implemented to achieve those outputs, specific indicators of achievement of the outputs and where to look for them, and the assumptions and preconditions for achievement of the outputs. The main components of the logframe are: (a) **Intervention Logics**: Project purpose or Overall objective, Specific objectives, Outputs and Activities. (b) **Objectively verifiable indicators**: The operational parameters for measurement of the achievements as a result of implementation of the project; e.g.: - Defined quantity of the product (how much? E.g., n bags of maize produced; y children under five immunised); Defined quality of the product (what? E.g., pure white in colour; 3% moisture content); Defined period (when? how long? E.g., by the end of 2nd year); defined area which the projected output will cover (e.g., Lambwe Valley); defined beneficiaries (who? E.g., small scale farmers of at most 3 acre landholding); defined destiny of the product (Which? E.g., sold in the local market, commanding 50% share of export income). (c) **Means of verification**: Describe the source of the verifiable indicator, in terms of when, where and in what form it shall be found. Sources may be in the form of Progress reports, Minutes, Conference proceedings, physical objects, graduates, etc. They may be obtained from outside the project, e.g. in government offices, university libraries; or may be generated from within the project, e.g., such as baseline survey reports. (d) **Critical assumptions**: These are intervening factors, which will influence project direction and interfere with its implementation, but are outside the control of the implementing team/agency. One or all of the intervention levels may be affected by these factors. Since they cannot be controlled from within, the project implementers can only make an assumption on their possible influence as the project proceeds. (e) **Preconditions**: These are a set of conditions that must be met even before the project can start. For example, a foreign organisation may not conduct research in Kenya without approval by Office of the President; a university department may not undertake a project without receiving authority to incur expenditure; a public health research project cannot proceed without approval of its aesthetic arrangements. Inputs and Cost: The logframe shows the means of project necessary for project implementation (both physical and non-physical) as well as the total cost of the proposed project in a summarised form. The logframe is presented in a matrix structure setting the intervention

logics (Overall Objective, Project Purpose, Project Outputs, and Project Activities) against the success factors, which should be attached as Appendix to the proposal.

**18.0 Curriculum Vitae**

Where deemed necessary, CVs of the key researchers shall be attached to the proposal.

# Appendix 1: Logical Framework (Logframe)

	PROJECT SUMMARY	INDICATORS	MEANS OF VERIFICATION	RISKS / ASSUMPTIONS
Goal				
Outcomes				
Outputs				
Activities				