

# NATIONAL SCIENCE FOUNDATION

## INTERNATIONAL COLLABORATIVE RESEARCH PROGRAMME

### APPLICATION – Part 1

#### SECTION A

#### 1. Project Title

*The title of the project should be brief, reflect concisely and accurately the proposed project and intelligible to a scientifically or technically literate reader. Applicants are advised to avoid titles which convey a distant or potential application of the proposed work, or a greater aspiration or goal than is to be expected from the proposed work.*

#### 2. Research disciplines

*Please select only the most relevant research disciplines*

Agriculture and Food Sciences

Basic Science

Biotechnology & Bioethics

Engineering Sciences, Architecture & Information Communication Technology

Environment & Biodiversity

Health Sciences

Indigenous Knowledge

Library & Information Science

Oceanography & Marine Resources

Science Education

Social Sciences

Science & Technology Policy Studies

Any other significant area

Please specify:.....

#### 3. Category of research

Applied research

Fundamental research

#### 4. Project Period

1 Year

2 Years 6 months

1 Year 6 months

3 Years

2 Years

#### 5. Total Budget

*For Principal Investigators who have not received any Research Grants before (NSF or other funding agency), the total budget should not exceed Rs. 1.5 Million excluding allocations for Research Personnel. (Please refer guidelines)*

## 6. Investigators

*Annex CVs' and list of publications of all Investigators during the last 10 years.*

### Principal Investigator

*Principal Investigator should have a postgraduate research degree (PhD, MPhil) and publications in the relevant area. Applicants with MSc, MD or MS qualifications should have minimum of one year research component in the course and publications in the relevant area.*

Name and Designation:	Mailing address :
Institution:	Telephone Office : Mobile :
Area of expertise related to the proposed project:	Fax : E-mail : STMIS Reg. No :

Planned visits abroad during the project period (This should be less than 03 months of duration):

If the PI is planning to take leave (< **3 Months**) during the project period, state the responsible person for the project:

### Co-Investigator/s

*Co-Investigators should have postgraduate qualifications and research experience supported with publications. Any other member of the research group who does not meet these criteria could be listed as Collaborators. Those who wish to read for postgraduate degrees under the proposed project are not eligible to be Co-Investigators*

#### Co-Investigator – 1

(a) Name and Designation:	Mailing address :
Institution:	Telephone Office : Mobile :
Area of expertise related to the proposed project:	Fax : E-mail : STMIS Reg. No :

Planned visits abroad during the project period (This should be less than 03 months of duration):

#### Co-Investigator – 2

(b) Name and Designation:	Mailing address :
Institution:	Telephone Office : Mobile :
Area of expertise related to the proposed project:	Fax : E-mail : STMIS Reg. No :

Planned visits abroad during the project period (This should be less than 03 months of duration):

<b>Co-Investigator – 3</b>	
(c) Name and Designation:	Mailing address :
Institution:	Telephone Office : Mobile :
Area of expertise related to the proposed project:	Fax : E-mail : STMIS Reg. No :

Planned visits abroad during the project period (This should be less than 03 months of duration):

**Collaborator/s**  
*Letters of Consent should be provided – Annex III*

<b>Collaborator – 1</b>	
(a) Name and Designation:	Mailing address :
Institution:	Telephone : Fax : E-mail : STMIS Reg. No :
The contribution expected to be provided for the research project:	

<b>Collaborator – 2</b>	
(b) Name and Designation:	Mailing address :
Institution:	Telephone : Fax : E-mail : STMIS Reg. No :
The contribution expected to be provided for the research project:	

**7. Institution/s where research is to be performed**

**Principal Institution**

**Other Institution/s**

**SECTION B**

\* Names and affiliations ***should not be mentioned*** in section B.

**Title of the project** :

**Duration** :

**1. Summary**

- (a) Explain briefly the research problem, research approach and expected outputs.  
*Not exceeding one A4 page, font type Times New Roman, size 11, single space.*

(b) Give 3 – 5 keywords for the proposed project:

<b>2. Research Problem</b>
2.1 Research problem/s
2.2 Analysis of the problem/s & rationale for the research question
<b>3. Comprehensive literature review (local and international including recent literature) AND the complete list of references in the relevant area. (Attach additional sheets if necessary)</b>
3.1 International

**3.2 Local**

**4. Originality & innovativeness of the proposed work**

**5. Overall aim and specific objectives of the proposed work**

5.1 Overall aim

5.2 Specific Objective/s

**6. Methodology**

6.1 Describe the Methodology  
*(Attach additional sheets if necessary)*

**6.2 Experimental design where applicable***Please complete relevant sections*

## 6.2.1 Data/sample collection

## 6.2.2 Study site

## 6.2.3 Describe the study group and controls

## 6.2.4 Validation and quality control of methods

## 6.2.5 Cost effectiveness of proposed methodology

**6.3 Describe the method of data analysis**



**7. Feasibility****7.1 Competence of the Research Team****7.1.1 Principal Investigator**

Name and affiliation **should not be mentioned.**

Describe knowledge and research experience in the area related to the project work (*Please do not include publications*)

**7.1.2 Co-Investigator - 1**

Name and affiliation **should not be mentioned.**

Describe knowledge and research experience in the area related to the project work (*Please do not include publications*)

## 7.1.3 Co-Investigator - 2

Name and affiliation **should not be mentioned.**

Describe knowledge and research experience in the area related to the project work (*Please do not include publications*):

## 7.1.4 Co-Investigator - 3

Name and affiliation **should not be mentioned.**

Describe knowledge and research experience in the area related to the project work (*Please do not include publications*):

**7.2 Work plan**

Please attach the quarterly Gantt Chart to cover the proposed study, as per the format below.

No	Activities	Year 1				Year 2				Year 3			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1													
2													
3													
4													
5													

**7.3 Indicators & milestones of progress**

Please list the milestones and indicators that will be used to measure the progress of the proposed Study

**8. Ethical consideration**

(Ethical clearance should be submitted within one month of the deadline for submission of application)

Relevance to the project	Relevant <input type="checkbox"/> Not relevant <input type="checkbox"/>
If relevant, Ethical clearance obtained?	Yes <input type="checkbox"/> No <input type="checkbox"/> <i>If Yes, attach copy to the application</i>
If No, applied for Ethical clearance?	Yes <input type="checkbox"/> No <input type="checkbox"/>

**9. Indicate the human & environmental safety issues related to the project and how they are being addressed**

**10. Budget**

**10.1 Financial support**

Have you applied/planning to apply for funding from any other source for the proposed research?

Yes  No

*If Yes, please give details*

Is the proposed project currently being funded by any other source? Yes  No

If Yes to above question/s, please give details and justify the request for co-funding from the NSF.

**10.2 Summary of Budget**

(1) Personnel	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
(2) Equipment				
(3) Consumables				
(4) Sample analysis (if outsourced)				
(5) Statistical analysis				
(6) Calibration of instruments				
(7) Postgraduate registration fees				
(8) Travel & Subsistence				
(9) Miscellaneous				
<b>GRAND TOTAL ****</b>				

**11. Expected Research Outputs**

*Deliverables at the end of the project in point form*

Empty space for listing deliverables at the end of the project in point form.

**12. How do you propose to utilize the research output for national development?**

**13. Research Outcomes**

13.1 Significance of research outcomes and the impact on national/socio-economic development of Sri Lanka.

*Please write in point form.*

13.2 Identify relevant stakeholders and potential beneficiaries

**15. How do you propose to protect and exploit Intellectual Property (IP)?**  
*(Indicate if applicable)*

**Research Grants Record (ongoing and completed) of the Principal Investigator during the last 05 years (2011-2015)  
(NSF and other funding sources)**

Grant No	Duration of the Grant (Dates)	Title of the Project	Source of support	Total allocation	Status [Ongoing/Completed/ Terminated/Cancelled]	Postgraduate degrees/No. of Publications/ No. of Communications

***For Industry/s Collaborating with this Project***

(To be filled by the Industry Partner)

<b>Name of the Company/s</b>	
Address	
Contact researcher/person (Please attach a CV)	
<b>Contribution towards the project</b>	
By kind	By cash
<b>Facilities that can be made available for the research project</b>	
	<b>Office</b>
Space:	<b>Laboratory/hrs per week</b>
Equipment: (Type)	
Other (Please specify)	
Any other comments	

.....  
Date

.....  
Name and Signature of the Industry Partner



**Consent to be a Collaborator of a Research Project**

(To be signed by the Collaborator/s)

**Director General  
National Science Foundation**

**Research Project on - .....**

This is to convey my/our willingness to work as a collaborator/s of the research project referred to above, supporting and contributing to the realization of the project objectives stated in the grant application.

I/we, am/are understand the support and assistance to be extended to the research team by providing necessary facilities and/or expert opinion and guidance to carry-out the project successfully.

Yours sincerely,

.....  
(Signature)

Name of the Collaborator/s : .....

<b>CHECK LIST</b>		
	<b>Completed application form</b>	<input type="checkbox"/>
	<b>Curriculum vitae of all Investigators</b>	<input type="checkbox"/>
	<b>Research grants record (Annex I)</b>	<input type="checkbox"/>
	<b>Information of Collaborator/s; if any (Annex III)</b>	<input type="checkbox"/>
	<b>Concurrence of the institution/s which facilitates the research</b>	<input type="checkbox"/>
	<b>Gantt chart</b>	<input type="checkbox"/>