



# NATIONAL COUNCIL FOR ROAD SAFETY

## RESEARCH GRANTS

### CALLING OF APPLICATIONS FOR YEAR 2021

The National Council for Road Safety (NCRS) is established as a statutory body under the Ministry of Transport by the Act No 5 of Motor Traffic of the Parliament of Sri Lanka.

It has decided to commence research grant scheme to fund research aimed at addressing various road safety issues in Sri Lanka. Research applications will be evaluated mainly on scientific merit but should also propose recommendations that can be implemented. The role of NCRS is to evaluate the feasibility of the work leading, originality of the proposed research outcomes, and how they can contribute towards developing strategies for road safety improvement.

For the research grant scheme for the year 2021, proposals are invited from groups of researchers of public scientific R&D organizations/ universities for funding of target/problem-oriented research projects aimed at reducing the motor cycle related road crashes in Sri Lanka.

Specific objectives of the research grant are to initiate, facilitate and support applied scientific research in the following areas,

1. Identify key attributes related to roadway, rider and vehicle that are causal factors for road crashes involved in motor-cycles and propose suitable intervention to address the issues.
2. Improve training and evaluation processes involved in the issuance of the driving license for motor cycle riders.

NCRS Action Plan Reference: project No - 03

Gazette NO – 1387/4 on 4<sup>th</sup> April 2005

### 1. Eligible Candidates

All Sri Lankan citizens who have completed at least an MPhil degree (full time / part time) from a recognized university or public R&D institution are eligible to apply. Public scientific R & D organization refers to organizations that receive funds for research, or at least provision for it, from the Treasury through the line Ministries, voted in the annual budget by Parliament. [A list of institutions is provided in the application]. Grant applicants, hereinafter called Principal Investigator (P.I.) on prescribed forms available at the Council. Grants are awarded for a period up to a maximum of eight months and the P. I. is the person who undertakes the execution of the research project throughout its approved duration.

### 2. Funding Categories

1. Funding will be considered for:
  - **Minor equipment:** Items with single unit values less than Rs. 250,000/-
  - **Consumables & Breakables**
  - **Travel** within Sri Lanka
  - **Monthly Stipends and Allowances** for Project Research Assistantship.
2. Stipends and allowances will be paid only for those who are not earning salary/do not have an institutional affiliation.
3. Funds will not be available for salaries/emoluments of principle investigator (s).
4. Repairs to equipment can be considered.
5. Costs of upkeep and maintenance should be envisaged at the time of requesting the grant.

### 3. Equipment

The research grant will provide sufficient funds to purchase minor equipment so that it will contribute significantly to institutional infrastructure development, while utilizing to the maximum equipment already available in the collaborating departments / institutions. Inventoried equipment will remain the property of the Council. Upon termination of a project the Council retains the right to transfer it to another project financed by the Council if no prospective immediate use is apparent (as judged by the Council) in the institution where it served the project.

### 4. Project Research Assistantship

Under normal circumstances, the P. I. may request one Project Research Assistant (PRA) per grant. In projects involving a substantial amount of manual field and/or laboratory work, one additional PRA may be requested with strong justification. When a PRA is involved in the grant, the Principal Investigator is solely responsible for the PRA's activities. PRA will be paid only up to 8 months of stipend. The Principal Investigator will undertake to execute the project funded by the Council for the duration of the grant in the institution to which the Principal Investigator belongs and where the work will be mainly carried out. The responsibility of successfully implementing the grant will lie solely with the Principal Investigator, for which the latter is answerable to the Council.

### 5. Declaration from the Institution

Consequently, the grant application should be accompanied by a signed declaration of the Head of the Institution assuring sustained infrastructural support of the Institution to the Principal Investigator and the research project for the duration of the grant. Authorized signatories for each institution (as Head of the Institution) is listed in the 'List of eligible institutions' below.

### 6. Publications

The name of the institution of the Principal Investigator will figure in all publications as the address of where the work was primarily carried out. NCRS should be acknowledged in all publications. Any Intellectual Property Rights ascending from NCRS funded grants should be shared with NCRS. Reprints of publications issuing from the work should be filed with the Council.

### 8. Format

The applications should be printed in both sides with Font 'Times New Roman' and Font size 12. Late, incomplete and ineligible applications will not be reviewed. Three sets of the duly completed application and its soft copy should reach the National Council for Road Safety office at No – 01, D.R.Wijewardene Mawatha, Colombo – 10. On or before the **07<sup>th</sup> April 2021** The soft copy should be emailed to ncrstransport@gmail.com

### 9. List of eligible institutions

#### PUBLIC SCIENTIFIC R & D ORGANIZATIONS/ INSTITUTES

##### 9.1 - RESEARCH INSTITUTIONS

##### Authorized Signatory

Arthur C. Clarke Institute for Modern Technology	Director General
Agrarian Research & Training Institute	Director
Bandaranaike Memorial Ayurveda Research Institution	Director
Coconut Research Institute	Director
National Institute of Fundamental Studies	Director
Industrial Technology Institute	Director General
Research Institutes of the Department of Agriculture	Director
Medical Research Institute	Director
National Aquatic Resources Research and Development Agency	Director General

National Building Research Organization	Director General
National Engineering Research & Development Centre	Director General
Rubber Research Institute	Director
Sri Lanka Institute of Nanotechnology	Director
Sugarcane Research Institute	Director
Tea Research Institute	Director
Veterinary Research Institute	Director

### 9.2 - UNIVERSITIES

### Authorized Signatory

Colombo	Vice-Chancellor
Eastern	Vice-Chancellor
Jaffna	Vice-Chancellor
Kelaniya	Vice-Chancellor
Moratuwa	Vice-Chancellor
Open	Vice-Chancellor
Peradeniya	Vice-Chancellor
Rajarata	Vice-Chancellor
Ruhuna	Vice-Chancellor
Sabaragamuwa	Vice-Chancellor
Sri Jayewardenepura	Vice-Chancellor
South Eastern	Vice-Chancellor
Uva Wellassa	Vice-Chancellor
Wayamba	Vice-Chancellor
General Sir John Kotelawala Defence University (KDU)	Vice-Chancellor
University of Vocational Technology	Vice-Chancellor
Ocean University of Sri Lanka	Vice-Chancellor

### 9.3 - OTHER GOVERNMENT/SEMI-GOVERNMENT ORGANIZATIONS

### Authorized Signatory

Anti-Leprosy Campaign	Director
Anti-Malaria Campaign	Director
Anti-Filariasis Campaign	Director
Atomic Energy Authority	Director
National Cancer Institute	Director
Cement Corporation	Director
Central Cultural Fund	Director
Central Environmental Authority	Director General
Clothing Industry Training Institute	Director
Coast Conservation Department	Director
Dental Therapists Training Institute	Director
Department of Agriculture (and affiliated Institutes)	Director General
Department of Archaeology	Director
Department of Animal Production & Health	Director
Department of Export Agriculture	Director
Department of National Museums	Director
Department of Wild Life Conservation	Director
Forest Department	Conservator of Forests
Family Planning Association	Director
Government Hospitals	Director

Geological Survey & Mines Bureau	Director
Government Analyst's Department	Govt. Analyst
Irrigation Department of Sri Lanka	Director General
Meteorology Department	Director
National Dangerous Drugs Control Board	Executive Director
National Gem & Jewelry Authority	Director General
National Resource Management Centre	Director
National Zoological Department	Director
Palmyrah Development Board	Chairman
Regional Health Services	Director General
Sri Lanka Standards Institute	Director General
State Timber Corporation	Working Director
State Plantation Corporation	Chairman
Department of Railway Sri Lanka	General Manager
Road Development Authority	Chairman
Provincial Road Development Authority	Chairman

*The above list is by no means exhaustive. Prospective applicants may therefore write to the secretariat of the NCRS to ascertain the eligibility of any particular institution not figuring in this list.*

## 10. Guidelines to fill the Application

### SECTION - A

**A.5.:** *Ethical clearance should be obtained prior to the awarding of the grant. Tick where applicable.*

**A.6, 7 & 8.:** *Tick where applicable.*

**A.9.:** *The details requested in A.9. should be of the Principal Investigator.  
In Postdoctoral fellowship projects the P.I should be the postdoc.*

**A.9.4.:** *The principal Investigator should hold a permanent post.  
All applicants should also state here the percentage of their working time that they intend devoting to the project.*

**A.9.7.:** *Address of the Institute/Department/Laboratory where the work will be carried out, as it will figure in publications and in all correspondence. Telephone, Fax & e-mail.*

**A.9.9 & 12.:** *The Council currently defines an indexed journal or conference if its indexed in either SCI Expanded publication or SCOPUS publication*

**A.9.12.:** *If the Principal Investigator is overseas for a long period of time (3 months or more) the grant will not be awarded; however, the Council will make the final decision.*

**A.13.:** *Provide a concise statement of the significance of the proposed work, the hypothesis and major objectives of the project, the procedures to be followed to accomplish the objectives, and the potential impact of the work.*

### SECTION - B

**B.2.:** *The Council normally expects the findings obtained in the course of research to be published in refereed international journals of repute (e.g. covered by the Science Citation Expanded Index) or a Conference (Scopus Indexed) Exceptions to this may be envisaged if patentable results are produced. The Principal Investigator should point out such likelihood at this juncture.*

*The Council will consider whether patents will be taken out and held by the Council, however the NCRS will claim 25% the royalty fee of 3% arising from the total sales proceeds from the commercialization of Intellectual Property Right created using the methods developed by the Principal Investigator on a quarterly basis for a period of 5 years and the balance will be credited to the Principal Investigator and his/her Institution.*

*If the Principal Investigator does not intent to obtain any Intellectual Property Right, the NRC will be entitled to a 1% of the total sales proceeds of the final product, process or service for a period of five years from the date of commercialization.*

*If outside researchers are expected to have a claim to intellectual property rights afferent to the present project, notably due to a relation discernible in B.1(in the application), that should also be placed before the Council at this juncture or other benefits arising out of the patent. This condition will apply irrespective of the research being supported by other agency, local or foreign.*

## SECTION - C

**C.1 & C.2:** Give the current status of knowledge in the proposed field and a description of the research question based on an overview at the national / regional and international level backed by key bibliographical references.

Any references cited wherein one or more of the investigators of this proposal figures as an author should show the name of that author underlined.

What position does the research proposal as a whole have in the current framework of research?

Maximum two pages

**C.4 & C.5:** Formulation of the goals expected to be achieved and the research question to be addressed.

**C.7.:** With respect to C.1. Above, can the submitted research findings can be utilized to implement a specific project aimed at reducing road crashes and improving road safety in the foreseeable future?

What are the possible benefits if any applications could be derived from the findings of this research? One to two pages

**C.8.2.:** Provide a detailed description of the experiment methodology / design, sampling method, analytical methods, any other techniques and data analysis.

**C.10.:** Give a chronology of all projected operations with time estimation in months. Please note that there will be proposal presentation prior to commencement of the project and a progress review after 3 months and 6 months respectively. Draft Final report and presentation to be held at the end of the project duration. Final report to submitted within 1 month of the final presentation.

According to your action plan please fill the work plan (Annex I) in the application, using the format given.

## SECTION - D

**D.1.1.1., D.1.1.2.etc.:** List the minor equipment that needs to be purchased to conduct the research.

**D.1.2.1., D.1.2.2.etc.:** Consumables will be chemicals, glassware etc. Include a list of chemicals and glassware required. Where relevant, any expenses for public awareness programme/s should be budgeted under this vote and should not exceed Rs.100,000.

**D.1.3.1., D.1.3.2. etc.:** Travel plan for the research programme should be included with estimated cost. Travel expenses; hiring of vehicles or fuel for official vehicle will be covered but **no subsistence/OT/BATA**.

**D.1.4.1., D.1.4.2. etc.:** Calculate accordingly for payments:

Stipend for Project Research Assistantship (PRA):

The Project Research Assistant will be paid **only up to 6 months** at the rates given below:

§	PRA completed MPhil	-	Rs. 100,000/- per month
§	PRA completed MSc	-	Rs. 80,000/- per month
§	PRA completed a Degree with first class or second upper	-	Rs. 60,000/- per month
§	PRA completed a Degree with second lower or below	-	Rs. 50,000/- per month

Payments for Technical Assistants (TA) and Laborers

§	TA passed GCE A/L	-	Rs. 1500/- per day
§	Other TA or laborer	-	Rs. 1300/- per day

**To a maximum of 100 days**

**D.2.** *A list of major equipment in your institution will signal to the Council the degree to which your institution will be able to support your research project.*

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## NATIONAL COUNCIL FOR ROAD SAFETY

### GRANT APPLICATION – YEAR 2021

**Note:** All applicants should fill section A to D. Group research applicants, should fill section A to D and a supplementary form for each co-investigator. Postdoctoral fellowship applicants should fill section A – D and a supplementary form for supervisor/co-investigator.

<b><u>A. PROPOSAL SUMMARY</u></b>			
A.1. Title of Project:			
A.2. Abbreviated (running) title:	<i>Not more than <u>six</u> words.</i>		
A.3. Key words:	<i>From broad to specific.</i>		
A.4. Duration:	<i>Not more than 8 months. State in months.</i>		
A.5. Ethical Clearance:	Received		
	Pending		
	Not applicable		
A.6. Grant Type:	Research project		
	Research project with a Project Research Assistant		
A.7. Research Area:	1. Medical Sciences		
	2. Engineering/ Information Technology		
	3. Physical Sciences/ Data Sciences		
	4. Social Sciences		
A.8. Name of Organization:			
<b>A.9. Principal Investigator [P.I.]: Refer guidelines</b>			
A.9.1. Full Name:	<i>Underline surname; give title, if any.</i>		
N.I.C. No.:			
Age (Years):		Male/Female:	
Tel. No.: Home		Official:	
Fax No.:		Mobile:	



Email:			
A.9.2. Present position/designation:			
A.9.3. Professional function in the organization:	<i>Refer guidelines</i>		
A.9.4. Highest academic qualification:			
Date of obtaining qualification:			
A.9.5. Field of specialization:			
A.9.6. Institution(s) where research will be carried out: <i>Refer guidelines</i>			
i.			
ii.			
A.9.7. h-index (Google)		University Research Tier (if applicable)	
A.9.8. List <u>top 10 publications</u> , in indexed journals you have authored during the last 10 years: (Underline publications relevant to this application)			
i.			
ii.			
A.9.9. List the names of postgraduate students supervised by you during the last 5 years: Indicate the postgraduate degree & date of successful completion; else whether project is continuing			
i.			
ii.			
A.9.10. List of grants received by you during the last 5 years. Project title, amount and funding source.			
A.9.11. Are you due for sabbatical/overseas leave during the next 3 years; if so, give details, stating whether you will take such leave and how this will affect the research project: <i>Refer guidelines</i>			

A.9.12. Bio-data (limit to 3 pages):	<i>Please annex</i>																	
A.10. Names of Co-investigator(s) :																		
<u>Name</u>	<u>Institute</u>	<u>h-index</u>	<u>University Research Tier</u>															
(For each co-investigator, a supplementary form should be filled)																		
A.11. Research partners / relevant contacts you have established. Give names, organizations and specialization.																		
A.12. List the indexed journals/conferences you envisage publishing this work in? <i>Refer guidelines</i>																		
A.13. Scientific summary <i>Refer guidelines</i>																		
A.14. Summary of financial support requested: <i>In SL Rs. /=, inclusive of all taxes.</i>																		
<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">A.14.1.</td> <td style="width: 65%;">Equipment</td> <td style="width: 20%; text-align: right;">: Rs.</td> </tr> <tr> <td>A.14.2.</td> <td>Consumables</td> <td style="text-align: right;">: Rs.</td> </tr> <tr> <td>A.14.3.</td> <td>Local Travel</td> <td style="text-align: right;">: Rs</td> </tr> <tr> <td>A.14.4.</td> <td>Stipend and Allowances</td> <td style="text-align: right;">: Rs.</td> </tr> <tr> <td></td> <td><b>TOTAL</b></td> <td style="text-align: right;"><b>: Rs.</b></td> </tr> </table> <p style="margin-left: 40px;">[Note: Budget limit for the research grant is Rs. 1.5 million]</p>				A.14.1.	Equipment	: Rs.	A.14.2.	Consumables	: Rs.	A.14.3.	Local Travel	: Rs	A.14.4.	Stipend and Allowances	: Rs.		<b>TOTAL</b>	<b>: Rs.</b>
A.14.1.	Equipment	: Rs.																
A.14.2.	Consumables	: Rs.																
A.14.3.	Local Travel	: Rs																
A.14.4.	Stipend and Allowances	: Rs.																
	<b>TOTAL</b>	<b>: Rs.</b>																

**B. ADMINISTRATIVE INFORMATION**

B.1. Has this or a similar proposal been accepted (or submitted or is in the course of implementation) in the recent past by any other funding agency, national or foreign, for financial support given to the Principal or other Investigator of the present grant application?

If so, specify:

B.1.1. Name of Investigator(s):	
B.1.2. Full title of project:	
B.1.3. Duration:	<i>Starting &amp; closing dates of contract.</i>
B.1.4. Financial support:	
B.1.5. Funding agency:	

B.2. Is any restriction on the dissemination of the results of the proposal foreseen and, if so, what kind of restriction?

*Refer guidelines*

B..3. Organizational Address:	
Home Address:	

B.4. Declaration of the Head of the Institution:

I, ....., .....of the .....do hereby assure that ....., Principal Investigator of the present proposal will be assured of infrastructural support in human and material resources enjoyed at the inception of the project and guaranteed to be sustained for the whole duration of the latter.

The level of support that will be committed to this project will be very high / significant / adequate (choose one)

Name & Designation:	
Signature:	

Date:	

<b><u>C: SCIENTIFIC INFORMATION</u></b>	
C.1. Present state of knowledge of the field of the proposed research: <i>Refer guidelines</i>	
C.1.1. Local / regional level	
C.1.2. Global level	
C.2. List of publications quoted in section C.1.: <i>Refer guidelines</i>	
C.3. Define the problem(s) that your research seeks to address:	
C.4. Objective(s) of the proposed research: <i>Refer guidelines</i>	
C.5. State your scientific hypothesis /research question: <i>Refer guidelines</i>	
C.6. Describe your experience and outputs in relation to the proposed research:	
C.7. Significance of the proposed research: <i>Refer guidelines</i>	

C.8. Description of the proposed research:	
C.8.1. Title	
C.8.2. Detailed description - <i>Refer guidelines</i>	
C.8.2.1. Research Design	
C.8.2.2. Methodologies	
C.8.2.3. Data analysis including statistical and analytical methods	
C.8.3. If your project involves statistical analysis	
(a) Are you competent in this area?	<i>Yes / No;</i>
if No;	
(b) Have you contacted an expert? (Name, Organization)	
C.8.4. Is there any work to be outsourced to commercial entities? <i>Yes/No</i> If Yes provide details	
C.9. Duration of the proposed research: <i>In months</i>	
C.10. Work plan of the proposed research: <i>Compulsory. Refer guidelines</i>	
C.11. State the <u>expected outputs</u> of the project:	

1. Publications in indexed journals		5. New policy / recommendations / circulars	
2. Patents		6. Physical/Reference collections	
3. Value added products/database/software		7. Book/ chapters/ technical reports	
4. Physical/Reference collections			
C.12. Who are the specific stakeholders and immediate beneficiaries of the project's outcomes?			
C.13. Have you contacted them before writing this proposal? If yes, give evidence in a separate sheet.			

## **D. FINANCIAL INFORMATION**

D.1. Funds requested under the following sections for the duration of the project:

*As for A.12.*

D.1.1.	Equipment cost (<250,000/= per item)	:Rs.
D.1.2.	Consumables	:Rs.
D.1.3.	Local Travel	:Rs.
D.1.4.	Stipend and Allowances	:Rs.
D.1.5.	TOTAL :	:Rs.

### Minor Equipment: Refer guidelines

*Value in SL Rs/- should include taxes and extras.*

Value

D.1.1.1.

D.1.1.2.

*(Attach a separate Equipment form-Annex II for each major equipment)*

### Consumables: Refer guidelines

*Consumables to be defined by generic categories.*

Value

D.1.2.1.

D.1.2.2.

### Travel: Refer guidelines

*Local travel only*

D.1.3.1.	<u>Value</u>
D.1.3.2.	
<u>Stipend and Allowances: Refer guidelines</u> <i>Calculate accordingly for Project Research Assistant (PRA) / Postdoctoral Fellowship (PF).</i>	
D.1.4.1.	<u>Value</u>
D.1.4.2.	
D.2. Attach a list of major equipment available in your Institute/Department: <i>Refer guidelines</i>	

<b><u>PRINCIPAL INVESTIGATOR</u></b>			
Name:			
N.I.C. No.:			
Signature:		Date:	



*Mandatory for all applicants (This is to be submitted to the General Treasury. This should be stated in simplified terms understandable to someone not specialized in the specific field)*

<b>NATIONAL ROAD SAFETY COUNCIL</b>	
<b>NATIONAL RELEVANCE OF RESEARCH PROJECT - YEAR 2021</b>	
Project Title:	
Name of Applicant:	
<p><b>Concise Summary of the relevance of the proposed research to national development and/or science and technology capacity building in the country. If the research is completed successfully what follow-up action is necessary to use the results; and what institutions (whether public or private) will be able to meaningfully implement the findings.</b></p> <p><b>(Not more than 250 words. Use 'Times new roman' font size 10)</b></p>	
<b>Office Use Only</b>	
Funds requested :	
Funds awarded :	
Consumables :	

<b>SUPPLEMENTARY FORM:</b>			
<b>To be filled by each co-investigator(s)/supervisor, if any</b>			
1. Full Name:			
N.I.C. No.:			
Age(Years):		Male/Female:	
Tel. No.: Home:		Official:	
Fax No.:		Mobile:	
Email:			
2. Organization and Address:			
Home Address:			
3. Present Position/designation:			
4. Professional function in the organization:			
5. Highest academic qualification:			
Date of obtaining qualification:			
6. Field of specialization:			
7. List <u>top 10 publications</u> , in indexed journals you have authored during the last 10 years: (Underline publications relevant to this application)			
8. List the names of postgraduate students supervised by you during the last 10 years: Indicate the postgraduate degree & date of successful completion; else whether project is continuing			
9. Describe your experience and outputs in relation to the proposed research:			
10. Your contribution to the proposed research:			
11. Are you due for sabbatical/overseas leave during the next 3 years; if so, give details stating whether you will take such leave and how this will affect the research project.			
12. Short Bio-data (limit to 1 page): <i>Please annex</i>			
Signature:		Date:	

## **Annex I: Work Plan**

National Council for Road safety, No-01, D.R.Wijewardene mawatha, Colombo – 10.

Tel: 011-2696890 Fax: 011-2680163 Email: ncrstransport@gmail.com

<b>NCRS Grant Number</b>	(Will be given by the NRC office)
<b>Name of P.I.</b>	
<b>Title of Project</b>	

	<b>Objectives</b>	<b>Activity</b>	<b>Timeline</b>			<b>Key Performance Indicators (KPI) For each activity</b>
			<b>Month 1</b>	<b>Month 2</b>	<b>Month ...</b>	
<b>1</b>		<b>1.1</b>				
		<b>1.2</b>				
		<b>1.3</b>				
		<b>1.4</b>				
<b>2</b>		<b>2.1</b>				
		<b>2.2</b>				
		<b>2.3</b>				
<b>3</b>		<b>3.1</b>				

## **Annex II: Equipment Form**

National Council for Road safety, No-01, D.R.Wijewardene mawatha, Colombo – 10.

Tel: 011-2696890 Fax: 011-2680163 Email: ncrstransport@gmail.com

<b>NCRS Grant Number</b>	(Will be given by NCRS office)
<b>Name of P. I.</b>	
<b>Name of Equipment</b>	

**Specifications should not be based on a pre-selected brand.**

<b>No.</b>	<b>Critical specifications with required parameters</b>	<b>Justifications</b>
<b>1</b>		
<b>2</b>		
<b>3</b>		
<b>4</b>		
<b>5</b>		
<b>6</b>		
<b>7</b>		

