

REQUEST FOR EXPRESS OF INTEREST (INDIVIDUAL CONSULTANT)
LAO PEOPLE'S DEMOCRATIC REPUBLIC
Ministry of Public Works and Transport (MPWT)
Lao National Road 13 North Improvement and Maintenance Project (NR13N)
IDA Credit No. 6226-LA; Project ID No: P163730

Road Safety Management Consultant
Undertaking Road Safety Management to providing technical assistance to Department of Transport, Ministry of Public Works and Transport on Road Safety Management

The Ministry of Public Works and Transport (MPWT) of Lao PDR has received financing support from the World Bank to implement the Lao National Road 13 North Improvement and Maintenance Project (NR13N). The intended Project development objective is to improve road services on critical sections of National Road 13 in Laos. The proposed project has three components: Component 1 - Road Improvement and Maintenance; Component 2 - Supervision and Capacity Building; and Component 3 - Project Management.

The Transport Department of MPWT is now looking for a Road Safety Specialist Consultant to carry out road safety Management for national road 13, Lao Road Sector Project 2 (LRSP2) roads and technical assistance on road safety training and management, which is to be financed under NR13 road improvement and maintenance project. The Road Safety Management shall carry out 2 main tasks: (i) Undertaking Road Safety Engineering; (2) Road Safety Awareness Campaign;

The work will be intermittent over a period of approximately two years, on a part-time basis. A total estimated time input is 130 person-days. Up to a third of these days may be used in home office (for the preparation of reports, presentations, technical preparation and associated writings). Full ToR can be accessed at the MPWT's website: <https://mpwt.gov.la/lo/projects-lo/0201-projectnr13-lo>

In order to qualify for this position, the candidates shall meet the following experiences and competence requirements:

- At least a bachelor's degree in civil engineering or relevant field.
- At least 20 years of relevant work experience in road safety engineering including experience in road safety audits, the identification and treatment of blackspots and safety at road works as well as in mentoring local engineers in road safety engineering matters.
- Extensive experience conducting road safety audits in the three (3) stages (detail design, construction and pre-opening) of road projects.
- Extensive experience preparing and leading road safety engineering workshops in Laos.
- Experience in carrying out road safety engineering work and road safety audits in Laos.
- Experience in carrying out road safety campaign.
- Be able to communicate in Lao and English languages in both writing and speaking.

The Consultant will be selected in accordance with the World Bank 'Procurement Regulations for IPF Borrowers, July 2016, revised November 2017 edition, under Individual Consultants (IC) selection method. The attention of interested Consultants is drawn to paragraph 3.14, 3.16 and 3.17 of the said Regulations, setting forth the World Bank's policy on conflict of interest. In order to apply for the position, the candidates shall request the Application Form from the PIU, which can be sent via e-mail or downloaded from MPWT's Website: www.mpwt.gov.la.

The NR13N now invites interested applicants to provide information indicating that you are qualified to perform the services (application form, curriculum vitae with expressions of interest and references). Interested Applicants may obtain further information at the address below. Expressions of interest must be delivered to the address below or no later than September 30, 2020, 16:00 o'clock (submissions via email are also acceptable). Only Short-listed candidates will be contacted.

Department of Transport, Ministry of Public Works and Transport

**Attn: Dr. Bounta ONNAVONG, Director General of Department of Transport,
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TERMS OF REFERENCE FOR TECHNICAL ASSISTANCE TO DEPARTMENT OF TRANSPORT ON ROAD SAFETY MANAGEMENT

BACKGROUND

Road accidents and traffic congestion are key issues that affect national development with the cost the national economy estimated at USD 565 million for 2017. The Government of Lao PDR had assigned the Ministry of Public Works and Transport (MPWT) to deal with these issues.

With financing from the World Bank, MPWT is implementing two ongoing road projects: National Road 13 Improvement and Maintenance Project (P163730) – NR13, and the Second Lao Road Sector Project (P158504) – LRSP2, under which road safety strengthening activities are being carried out, including updating a Road Safety Strategy and Action Plan, developing a Road Safety Audit Manual, and enhancing road safety campaigns.

In addition, the World Bank has mobilized additional resources (grant) to support road safety strengthening through two Bank executed trust funds (TF):

(1) Quality Infrastructure Investment (QII) TF is supporting Lao PDR to improve the national crash data collection system, which is under the Quality Infrastructure Investment (QII) Partnership, Tokyo Development Learning Centre. Since March 2018, this grant is facilitating the introduction of an online road safety data management system in Lao PDR ('Data for Road Incident Visualization, Evaluation and Reporting' - DRIVER).

(2) Global Road Safety Facility (GRSF) TF, approved in June 2019, is supporting Lao PDR to improve overall road safety in Lao PDR, by (1) assessing current policies and the management capacity of responsible stakeholders both at the central and local level, (2) implementing a nationwide unified crash database - DRIVER, (3) piloting a road safety research and development activity involving a detailed analyses of crash data and an analysis of infrastructure deficiencies.

The Department of Transport (DOT), under MPWT, is responsible for the implementation of road safety activities. The Land Traffic and Driving License Management Division of the Department of Transport (DOT) is responsible for the implementation of above-mentioned road safety activities. It is one of six divisions of DOT and is staffed by 11 officers.

OBJECTIVES OF THE ASSIGNMENT

The objective of this assignment is to support DOT in implementing road safety activities under the above projects including capacity building of MPWT and DPWT officers, contractors, and consultants on road safety management.

SCOPE OF SERVICES

The DOT requires an experienced national road safety expert to provide capacity building and advice to DOT officers on road safety, and to undertake the following specific tasks:

1. Road Safety Engineering

Road safety audits are not yet conducted for all road project in Lao PDR, and when construction is completed there are a lot of accidents happening.

Most existing roads have a lot of black spots that have not yet been investigated and treated and accidents continue to happen at those locations.

So far, MPWT in co-operation with World Bank, Asian Development Bank and other development partners hired international experts to conduct road safety audits and black spots investigations.

There can be great benefit to Lao PDR and a reduction in cost for MPWT if there is a national Road Safety Audit Team doing the mandatory audits of all road projects and carry out the black spots investigation to do the treatments.

The consultant will:

- Assist DOT and Department of Roads (DOR) to monitor implementation of road safety aspects of **road contracts** under LRSP2 and NR13 during road construction and maintenance.
- Develop training material in Lao language for investigation and treatment of **black spots** and **high-risk locations** based on the National Road Safety Audit Manual.
- Devise a **procedure for planning road maintenance** to address black spots and high-risk locations (including data collection, design, and incorporation of black spots addressing into the maintenance contracts).
- Prepare and conduct Master Class training for the **National Road Safety Audit Team** including orientation to Safe Systems approach.
- Support National Road Safety Audit Team to conduct training on **Road Safety Audit and Black Spot improvement** for MPWT and DPWT engineers in 18 provinces based on the existing Road Safety Audit.
- **Support DPWT to complete road safety audits** in six (6) provinces under LRSP2 to: 2 audits/2 roads for each province, e.g. one (1) detailed design stage and one (1) at pre-opening stage. A prerequisite is that all auditors successfully undertook the Road Safety Audit training course.
- **Evaluate and report** on the quality of road safety audits undertaken by the DPWT officers with reference to the National Road Safety Audit Manual.
- Provide advice on **implementation of road safety audit recommendations** to MPWT and DPWT.

2. Road Safety Awareness Campaign

Different institutions are undertaking separate road safety public awareness campaigns mostly using funds from the 2.5% National Road Fund.

The Consultant will support DOT in preparing and implementing an awareness program which reinforces legal requirements in coordination with the Road Safety Communication Specialist and GRSF consultants, including:

- Support DOT in preparing a National Road Safety awareness strategy and promote Vision Zero to the public using TV, radio, and social media.
- Support DOT to deliver training on road safety awareness to key staff at central and provinces.
- Coordinate with Ministry of Education and Sports to roll-out pilot road safety curriculum in primary schools along NR13
- Provide technical input into road safety communication materials developed by DOT with support from the Communications Specialist.

OUTPUTS / DELIVERABLES

The Consultant will deliver the following:

1) Reporting

- Prepare an **inception report** providing methodology, work plan and overall time schedule for client review and discussion.
- Monthly **reporting** to DOT and a **final report** upon completion.

2) Training materials

- Prepare, relevant **training materials**¹; all materials will be endorsed by DOT, including:
 - Training pack in Lao language for investigation and treatment of **black spots** and **high-risk locations**.
 - **Master Class training** pack for the National Road Safety Audit Team
 - **Procedure for planning road maintenance** to address black spots and high-risk locations.

¹ Relevant materials are but not limited to workshop presentation, preparation of site-specific practical exercises, preparation of participant assessment forms, establishing a methodology for scoring participants materials.

CONSULTANT QUALIFICATIONS

The Consultant shall have:

- At least a bachelor's degree in civil engineering or relevant field.
 - At least 20 years of relevant work experience in road safety engineering including experience in road safety audits, the identification and treatment of blackspots and safety at road works as well as in mentoring local engineers in road safety engineering matters.
 - Extensive experience conducting road safety audits in the three (3) stages (detail design, construction and pre-opening) of road projects.
 - Extensive experience preparing and leading road safety engineering workshops in Laos.
 - Experience in carrying out road safety engineering work and road safety audits in Laos.
 - Experience in carrying out road safety campaign.
- Be able to communicate in Lao and English languages in both writing and speaking.

TIMEFRAME

The contract is time-based. The assignment will require 130 days of consultant inputs over a period of two years.

SUPERVISION ARRANGEMENTS

The Consultant will work under the overall supervision of the Director General, DOT in close coordination with the designated representative from Land Traffic and Driving License Management Division of DOT and Project Manager of LRSP2 and NR13 in DOR.

The expert is required to provide his own laptop computer and any other specialised equipment as required for the assignment. A desk may be provided at DOT upon request and subject to availability.