

Attachment 1 Specification of Requirements / Terms of Reference

PART 1 – THE REQUIREMENT

IUCN, International Union for Conservation of Nature, in collaboration with the Department of National Parks, Wildlife and Plant Conservation, is currently implementing the project, “Accelerating Tiger Recovery along the Thailand-Myanmar Border: Thailand Component”. The project aims to build understanding of the distribution and status of tigers and their prey populations in the southern Western Forest Complex, through the deployment of camera traps and the development of a GIS database.

SCOPE OF WORK

Applicants will use camera traps to survey and identify the distribution and status of tiger and prey populations in **one or more of the following protected areas** in southern WEFCON: (1) Thong Pha Phum National Park and (2) Lam Klong Ngu National Park.

The Scope of Work includes four basic tasks. In one or more of these protected areas, grantees will:

1. Deploy camera traps in line with DNP’s standard tiger monitoring protocol based on a 3 x 3 km grid. Based on the size of each protected area, the table below shows the maximum number (could be more) of camera traps that would need to be deployed for complete coverage. Applicants are requested to describe how they intend to work toward this number using a combination of new and existing cameras recognizing that it may not be possible to achieve 100% coverage.

Protected area	Number of camera installation points
Thong Pha Phum National Park	223
Lam Klong Ngu National Park	138

DNP recommends camera traps with the following minimum specifications:

Trigger Speed	1/4 second, fast trigger speeds
Day & Night Images	Full color, 5MP or 20MP color images
Image Imprint	Date, time, moon phase, CAM ID

2. Use camera trap data to build a GIS database on tigers, prey species, and threats.
3. Analyze these data and produce regular reports on the distribution and status of the tiger and prey populations and threats. The reports should include recommendations for strengthening both research and management.
4. Proactively share these data with DNP and its Kao Nang Ram Wildlife Research Station. The applicant must identify a principal investigator who will be responsible for communicating and ensuring close liaison with DNP and IUCN on all technical matters.

Maximum Budget: : Up to USD 60,000 for Thong Pha Phum National Park and up to USD 40,000 for Lam Klong Ngu National Park

PART 1– TERM OF REFERENCE (TOR)

1. Background

IUCN, International Union for Conservation of Nature, with the approval of the Department of National Parks, Wildlife and Plant Conservation, is implementing the project, “Accelerating Tiger Recovery along the Thailand-Myanmar Border: Thailand Component”. The main objective of the project is to build understanding of the distribution and status of the statistically significant increase in the populations of tigers and tiger prey in the southern Western Forest Complex, through the deployment of camera traps and the development of a GIS database.

2. Objectives

- 2.1 To obtain data on the distribution of tigers and their prey population in (1) Thong Pha Phum National Park and/or (2) Lam Klong Ngu National Park.
- 2.2 To develop recommendations and guidelines for management of the protected areas, tiger and their prey populations.

3. Scope of the Work

- 3.1 The project must use camera trap techniques based on DNP’s research standard (3x3 km grid) to survey and identify the distribution and status of tiger populations and their prey in the southern WEFCOM, focusing on: (1) Thong Pha Phum National Park and/or (2) Lum Klong Ngu National Park. The applicant may submit a proposal for 1 or 2 sites.
- 3.2 The project must develop a geographic information system (GIS) for tigers, prey, and threats in project target sites.
- 3.3 The project must analyze the camera trap data of distribution and status of tiger populations and prey in project target sites.
- 3.4 The project must closely coordinate and share information with the Smart Patrol Center (PARO3), Khao Nang Ram Wildlife Research Station and IUCN.

4. Performance Time

The successful applicant will comply with the scope of the work in Clause 3 to the completion thereof within eight months from the date the contract is signed, not including the period of time spent by the committee in examination and consideration of accepting the work (April 2022 to November 2022).

5. Periodic Project Report Submission

The Contractor will be required to periodically submit work documents and reports when certain parts of the work under this contract are complete as follows:

Date	Outputs/Deliverables
1 April 2022	<ul style="list-style-type: none">• Estimated project start date
15 April 2022	<ul style="list-style-type: none">• Survey techniques and work plans for surveying tigers and their prey
31 July 2022	<ul style="list-style-type: none">• Technical progress report on the installation of camera traps and survey results, with photographs from the camera traps, coordinates and maps.• Concerns, challenges, barriers to be reported and the workplan revised if needed.
30 November 2022	<ul style="list-style-type: none">• Final technical reports on the results of surveys and monitoring of tiger populations and their prey with photographs taken by the camera traps, coordinates and maps.• Geographic information system (GIS) for tigers, tiger prey and threats.

6. Applicant's Qualifications

- 6.1 Applicants must be juristic persons registered in Thailand with evidence of registration or certification issued by a government agency.
- 6.2 Applicants must clearly demonstrate their institutional technical skills, knowledge and experience of conducting surveys on tiger populations and their prey by using camera traps and have a proven ability to achieve the project's commitments.

7. Other

- 7.1 The tasks performed under the scope of this work will be monitored by IUCN and DNP to ensure project accomplishment.
- 7.2 The results of this project will be equally shared with IUCN and the Department of National Parks, Wildlife and Plant Conservation.
- 7.3 The Contractor will be required to disclose information and shared all project information on periodic meetings scheduled by IUCN and DNP.
- 7.4 Any delay or unexpected circumstances that might negatively influence the overall project performance, the Contractor will be required to notify IUCN immediately for further action on project schedule improvement. Should the Contractor fail to notify and cause any damages, the Contractor will hold liability for said damages.
- 7.5 The Contractor will be required to accept direct liability for damages caused by other persons as a result of the work performed by the Contractor.
- 7.6 The Contractor will be required to comply with the National Parks Act B.E. 2562, the Wildlife Reservation and Protection Act B.E. 2562 and other related laws.
