

**Ministry of Mahaweli Development and Environment (MoMD&E)**  
**Ecosystem Conservation and Management Project (ESCAMP)**  
**Component (1). Landscape Planning and Management**  
**Terms of Reference and Scope of Services**

**INDIVIDUAL CONSULTANTS – Human Elephant Conflict Management Specialist**

The World Bank has extended a credit to the Government of Sri Lanka for Ecosystem Conservation and Management Project (ESCAMP) with the view of improving the management of sensitive ecosystems in selected locations for conservation and community benefits. The Ministry of Mahaweli Development and Environment (MoMD&E) in collaboration with the Ministry of Sustainable Development and Wildlife (MoSD&W) will execute the project through a Project Management Unit (PMU). The Forest Department (FD) and the Department of Wildlife Conservation (DWC) will implement the project activities.

Component (1) of ESCAMP will provide technical assistance, training and capacity building to develop a guiding frame work for landscape-level management planning and support the piloting of landscape planning and management in two selected landscape comprising contiguous areas of unique ecological, cultural and socio-economic characteristics.

In view of that to support the landscape management planning process PMU intend to hire a **Human Elephant Conflict Management Specialist** under the direct supervision of the Project Director. The Individual Consultant will predominantly be responsible to deliver and accomplish the **Human Elephant Conflict Management** aspects of the Landscape Management Planning in the selected site for a pilot exercise.

The proposed pilot landscape, the job description and minimum qualifications required for respective consultant are given below;

**Pilot Landscape**

**Hurulu (FR)-Kawdulla(NP)- Kanthalea (FR) Landscape (HKK) - (DZ, Mahaweli River basin)**

HKK landscape is the lower catchment of the river Mahaweli which includes forest areas and number of adjoining forest reserves and wildlife reserves covering large extent of Anuradapura, Pollonaruwa and Trincomalee Districts.

**Objectives of the assignment**

1. Study and assess the current status of Human Elephant Conflict (HEC) in the landscape and it's socio economic impacts on local communities,
2. Identify and map elephant home ranges, movement patterns, HEC areas and existing elephant corridors within the landscape
3. Assess the effectiveness of current mitigation measures adopted by the DWLC and other institutions and recommend appropriate practical methods and approaches for HEC management

## Key Tasks

- i). Assess the present status of HEC in the landscape, it's magnitude, distribution and impacts
- ii). Study the root causes of HEC in the landscape and its historical background
- iii). Preparation of following maps;
  - a). Areas subjected to HEC with it's intensity, and distribution,
  - b). Elephant home ranges and movement patterns,
  - c). Existing elephant corridors and their locations in the landscape
- iii). Study the people's attitudes on HEC, traditional knowledge and practices on mitigation of HEC within the HKK landscape,
- iv). Assess the current status of existing electric fences, it's distribution, effectiveness and recommend actions for their improvements,
- v). Propose possible economic initiatives for the adjacent/buffer zone communities including elephant related tourism activities and livelihood development options of Protected Area (PA) buffer zone communities in the HKK landscape.
- vi). Refer the studies carried out by three experts (Hired by the ESCAMP) on Biodiversity, Socioeconomic status and Land use in the HKK landscape and obtain necessary data information /findings from their inputs for this exercise.
- vii). Prepare a draft and final assessment reports
- viii). Proposed practical mitigation measures and best practices for HEC mitigation on the HKK landscape

## Expected outputs

- a) Draft final report providing detail analysis of HEC in the landscape covering the tasks given above.  
*(The report may include estimate of elephant population, major impacts of HEC, current trend, people's attitudes, traditional knowledge, elephant home ranges, movement patterns, locations of electric fences, practical HEC mitigation measures, possible elephant related tourism activities etc.)*
- b). Maps of i). Areas subjected to HEC with it's intensity pattern, ii). Elephant home range and movement patterns, iii) Existing elephant corridors and their current status in the landscape
- c). *Present the findings of the study* at a workshop organized by the PMU/ESAMP.

## Duration- 3 Months, (Full time)

## Professional Qualifications and experiences

The candidate should have B.Sc in Biology/Zoology and postgraduate degree(M.Sc/M.Phil/Ph.D) in Biology/Zoology/Forest Biology/Wild life Mgt and at least 10 years experience in research on Wild life Conservation or Ecology, Faunal biodiversity assessment and wild elephant behavioral studies.

**Consultant's Reporting Obligations/ Delivery plan for consultancy outputs**

Actions/Delivery	To be submitted by
1. Inception report with detail methodology and work plan,	End of 2 <sup>nd</sup> week after signing the Agreement
<p>2.a). The tentative structure of the proposed HEC management report</p> <p>b). Conduct a workshops to gather information on elephant home ranges, movement patterns, HEC, impacts, trend and mitigation measures suitable for the landscape and other information.</p> <p><i>(Organizing of the workshops will be done by the PMU with the consultation DWLC and guidance of the Consultant)</i></p>	End of 6 <sup>th</sup> week
3.Draft final report (Complete) with 3 maps (At least)	End of 10 <sup>th</sup> Week
4.Present and submit the final report with situation analysis and recommendations	End of 12 <sup>th</sup> week
5.Attend the Stakeholder workshop	Attend when this workshop is scheduled and revise it accordingly.

**Payment Schedule**

<b>Delivery</b>	<b>To be submitted by</b>	<b>Payment</b>
<b>1. Inception report with detail methodology and work plan,</b>	<b>End of 2<sup>nd</sup> week after signing the Agreement</b>	<b>15 % of the Total Contract amount</b>
<b>2. a). Structure of the HEC management report b). Summary of workshops proceedings</b>	<b>End of 6<sup>th</sup> Week</b>	<b>20 % of the Total Contract amount</b>
<b>3. Draft report</b>	<b>End of 10 Month</b>	<b>25 % of the Total Contract amount</b>
<b>4. Final report with situation analysis, recommendations and present the findings of the study.</b>	<b>d of 12 Month</b>	<b>30 % of the Total Contract amount</b>
<b>5. Attend the Stakeholder workshop</b>	<b>Attend when this workshop is scheduled and submit the final report</b>	<b>10 % of the Total Contract amount</b>