Date: May 20, 2019

Dear Sir or Madam,

Conservation International Foundation (Guyana) Inc. (hereinafter referred to as “CI-Guyana”), is issuing a Request for Application (RFA) for a Mangrove Cover Analysis Consultant: Setting the foundations for zero net loss of the mangroves that underpin human wellbeing in the North Brazil Shelf LME (NBS-LME). The attached RFA contains all the necessary information for interested applicants.

Consultants should submit application and price quote (budget range USD12,000 – 15,000) for consideration via email by 4:00 pm Monday June 10, 2019. Please refer all communications to The Operations Director at applicationscig@conservation.org including questions from Interested Applications.

All applicants are expected to exercise the highest standards of conduct in preparing, submitting and if selected, eventually carrying out the specified work and in accordance with CI’s Code of Ethics.

This RFA does not obligate CI-Guyana to execute a contract nor does it commit CI-Guyana to pay any costs incurred in the preparation and submission of the applications. Furthermore, CI-Guyana reserves the right to reject any and all applicants, if such action is considered to be in the best interest of CI-Guyana.
ETHICS STANDARDS

Conservation International’s reputation derives from our commitment to our core values: Integrity, Respect, Courage, Optimism, and Passion and Teamwork. CI’s Code of Ethics (the “Code”) provides guidance to CI employees, service providers, experts, interns, and volunteers in living CI’s core values, and outlines minimum standards for ethical conduct which all parties must adhere to.

Any violations of the Code of Ethics should be reported to CI via its Ethics Hotline at www.ci.ethicspoint.com.

CI relies on the personal integrity, good judgment and common sense of all third parties acting on behalf, or providing services to the organization, to deal with issues not expressly addressed by the Code or as noted below.

Integrity:
- Act in good faith, responsibly, with due care, competence and diligence and maintain the highest professional standards at all times.
- Comply with all contractual terms as well as all applicable laws, rules and regulations, domestic and international, in every country where Services are carried out.
- Provide true representation of all Services performed.
- Never engage in any of the following acts: falsification of business document or receipts, theft, embezzlement, diversion of funds, bribery, or fraud.

Transparency:
- Avoid conflicts of interest and not allow independent judgment to be compromised.
- Not accept gifts or favors from sub-contractors, suppliers or other 3rd parties that would negatively impact the provision of Services to CI.

Accountability:
- Disclose to CI, at the earliest opportunity, any information you have or become aware of, that may result in a real or perceived conflict of interest or impropriety.
- Implement activities, provide Services, and manage staff and operations in a professionally sound manner, with knowledge and wisdom with the goal of a successful outcome per the terms of this Agreement.

Confidentiality:
- Not disclose confidential or sensitive information obtained during the course of your work with CI.
- Protect confidential relationships between CI and other 3rd parties.

Mutual Respect and Collaboration:
- Engage with indigenous peoples and local communities in which CI works in a positive and constructive manner that respects the culture, laws, and practices of those communities, with due regard for the right of free, prior and informed consent.
A. Project Background:

The project titled “Setting the foundations for zero net loss of the mangroves that underpin human wellbeing in the North Brazil Shelf LME (NBS-LME)” (from here on the “NBS Mangrove Project”), is a one-year primer project to help establish a shared and multi-national process for an Integrated Coastal Management (ICM) in the NBS. The project recognizes the prevalence, socio-ecological importance and connectivity of mangroves in the retention and generation of key ecosystem services (fisheries, coastal protection and defences, water quality, blue carbon etc.) from which communities in the NBS countries are beneficiaries. This project builds on, and supports, the antecedents and key elements of the regional agreement established within the CLME+ SAP for the NBS region.

The objectives of the NBS Mangrove Project are:
- To generate the necessary baseline knowledge and technical assessments as inputs towards a collaborative vision and a coordinated well-informed management of NBS mangrove systems, with emphasis on the information needs of Guyana and Suriname.
- To support development of transboundary coordination mechanism(s) between the countries of Guyana, Suriname, French Guiana and Brazil (state of Amapá) towards the improved integrated coastal management of the extensive, ecologically connected yet vulnerable mangrove habitat of the NBS region.

B. Goal of the consultancy

The consultant will produce an updated national mangrove cover map showing extent and driver of loss from a suitable baseline to 2018 along the coastline of Guyana. This will be done by consolidating remote sensing and GIS products covering the coast and developing spatial data products of mangrove cover, including classification by species where possible, as well as supporting supplemental data on ecosystem use and drivers of change. The consultant will lead ground truthing the products. The consultant will also provide training and capacity building on mangrove cover mapping to relevant entities.

C. Characteristic of Consultancy

i. Type: Individual or Firm
ii. Procurement Method: Open and competitive process with evaluation based primarily on quality.
iii. Duration: Maximum of 3 months
iv. Place of Work: Georgetown, Guyana
v. Language: Proficiency in English (both written and spoken)
D. Scope of Services

The consultant will:

- Conduct a desktop study to identify potential or indicative locations of critical mangrove areas, based on data gathered from local studies (e.g. Coastal Sensitivity Mapping, Mapping and Inventory of Coastal Zone Forests in Guyana, etc.).
- Gather and assess the most updated spatial data, including the review of existing remote sensing data that is suitable for mangrove forest cover monitoring in Guyana.
- Produce maps and digital spatial data identifying mangrove forest cover and forest typology classifications along the full coastline of Guyana. Time series data will be generated from a baseline year to present (2018) to provide context by showing trends over the previous periods.
- Develop a mangrove monitoring standard operating procedure to monitor the change in the mangrove forest cover extent. This should focus on mapping:
  a) natural and anthropogenic deforestation within the mangrove forest from baseline to present
  b) areas of regeneration within mangrove forests
- GIS Database – Development of Geospatial Data Infrastructure. A geodatabase containing all GIS data produced, and acquired as part of the assignment.
- Conduct ground truthing field exercises to validate the mapping products to the highest degree of certainty that is possible and practical, working closely with project partner agencies. This includes preparation of the sampling design and methods for execution.
- Provide capacity building on mangrove mapping and monitoring to the relevant project partners. To support the capacity of local partners to understand, make use of, and replicate the activities of this assignment, training must be incorporated throughout the contract duration. To facilitate learning, this training must accompany the activities continuously and shall not only be provided in workshops but (also) through regular mentoring that may take place remotely.

In executing the consultancy, the consultant will engage, as appropriate and needed, with relevant stakeholders.

E. Specific Qualification and Experience

At the minimum, the applications will be evaluated against the following criteria:

i. At least a Bachelor’s degree in Geography, Geoinformatics, Environmental Science, Remote Sensing of Environment or a related field.
ii. Strong experience in the use of GIS, interpretation of remotely sensed spatial data, and spatial data management.
iii. Fluency in English.
- Excellent command of language and communication skills
- Advanced experience using ArcGIS and other GIS software
- Experience utilizing remotely sensed spatial data, including satellite imagery
iv. Experience using popular database management systems, such as Microsoft Access, to develop and manage databases

F. Deliverables

<table>
<thead>
<tr>
<th>Deliverables/Reports</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Inception report outlining proposed methodology, data sources and proposed sites</td>
<td>2 weeks after signing</td>
</tr>
<tr>
<td>for ground truthing.</td>
<td></td>
</tr>
<tr>
<td>2. Progress Report 1 on mangrove forest cover change analysis</td>
<td>4 weeks after signing</td>
</tr>
<tr>
<td>including baseline species inventory.</td>
<td></td>
</tr>
<tr>
<td>3. Processed and analysed spatial data, database and standard operating procedure</td>
<td>8 weeks after signing</td>
</tr>
<tr>
<td>for implementation of mangrove forest cover monitoring program.</td>
<td></td>
</tr>
<tr>
<td>4. Final Spatial Database and Report on total mangrove cover mapping</td>
<td>10 weeks after signing</td>
</tr>
<tr>
<td>including results of the ground truthing exercise, final standard operating procedure</td>
<td></td>
</tr>
<tr>
<td>document and capacity building incorporated in the project.</td>
<td></td>
</tr>
</tbody>
</table>

G. Reporting

The consultant will report to the National Project Lead of the NBS – LME Mangrove Project.

H. Guidelines for Application

Applications should be sent, in English, The Operations Director (applicationscig@conservation.org) by June 10, 2019. Please specify “Mangrove Cover Mapping and Analysis” in the subject line. Applications should include:

(i) a resume of the applicant providing detailed information on the criteria listed in section D. of this ToR, and

(ii) 2-3-page description of the proposed approach and methodology towards achieving the study objectives and describing consultant previous experience related to the proposed work.